Draft CGO List No. 03/2024 [Updated as on 15.10.2025]

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1		15200000	Glycerol (glycerin), crude	Glycerol % 99 Min. Boiling point 250 Min, Iron content (ppm) 0.5 max. Chloride (PPM) 2.0 max.	Appearance Clear white liquid, Sugar +ve (0.25) Specific Gravity 1.256 ~ 1.260	Acidity as Na_2O 0.00052%, Fatty Acids & Easter as Na_2O Eqv. 0.0077%	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
2		17023000	Liquid Glucose (less than 1% Fructose)	$C_6H_{12}O_6$	Clear Viscouse Syrup, sweet in taste	Baume at (100°F)-43, Dextrose equivalent-38-46, Total Solids-79-80.5, Brix-81.5-83.0, Moisture Contant-21-19.5%, PH-4.5-5.5, So2-03ppm Max, Solubility - Soluble in water	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi	No Change
3		17025000	High Fructose	$C_6H_{12}O_6$, Fructose 42%, Glucose 54%, Maltose 4%	Light Yellow Viscous Syrup having sweet taste	Brix - 69.5, PH - 3.5-4.5, Ash - 0.1%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi	No Change
4		17029030	Malto dextrin	$C_6H_{12}O_6$ (10DE to 19DE)	A free flowing white powder odourless having Blend taste	Dextrose equivalent-12-19 DE, PH-5.0-6.0 3 - Ash - 0.2%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi	No Change
5		25010010	Sodium Chloride (Table Salt)	Pyrogen free grade	Salt and Pure Sodium Chloride	NaCl	Hub-Pak Salt Refinery, C-206 Hub Industrial Trading Estate Hub, Balochistan	No Change
6		25010090	Sodium Chloride	Pyrogen free grade	Salt including table salt and Pure Sodium Chloride	NaCl	Hub-Pak Salt Refinery, C-206 Hub Industrial Trading Estate Hub, Balochistan	No Change
7		25081000	Bentonite	Viscosity (Fann viscometer 600 RPM): 15 cps. min. Filtrate Loss (at 100 psi, 30 min.): 15 cc max. pH: 9-10 F36 (Excluding untreated Bentonite meeting API specifications)	Dry Particle Size: 80% < 200 mesh Wet Particle Size: 80-90% < 0.5 micron Residue 75 microns: 4% max. Moisture: 10% max.	SiO_2: 50-60 %, Al_2O_3: 15-20 %, $Fe2O_3$: 2-4 % MgO: 4-6 % CaO: 3-6 %, K_2O: 0.2-0.5 % TiO_2: 0.2 – 0.5 % Others: 0.5 – 1 % Moisture: 5-10 % Loss on Ignition: 10-15%	Ahmad Saeed and Company, 2nd Floor, Sindhu Trade Centre, 473, G-III, Johar Town, Lahore	No Change
8		25201010	Gypsum Powder	100 mesh Gypsum Board Grade	Fine Powder	$CaSO_4$ 1/2 H_2O	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi	No Change
9		25202000	Plaster of Paris/ Gypsum Plaster / Gypsum Crack Filler	100 mesh Gypsum Board Grade	Fine P+K14:K22owder Dehydrated by Calcination	$CaSO_4$ 1/2 H_2O	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi	No Change
10		25232100	White Portland Cement	PS (1630:1984): Blane: 4887- Min 2250, CM2/gm Soundness: a) Le-Chatelier Method: 0.5 mm Max 10 mm Setting Time: Initial: 120- Min 45 minutes Final: 150 - Max 600 minutes	3 Days: 36.5 Min 12 Mpa 7 Days: 55.5 Min 19 Mpa 28 Days: 77.5 Mpa	Lime Saturation Factor: 0.94 - Min 0.66, Max 1.02 Insoluble Residual: 0.22% - Max 1.50% Iron Oxide: 0.22% - Max 1.0% Megnesia: 1.27% - Max 4% Sulphuric Anhydride: 2.77% - Max 3%	Maple Leaf Cement Factory Ltd., 42-Lawrence Road, Lahore	No Change
11		25232900	i) Ordinary Portland Cement	(PS 232-2008) R: Blane: 332-Min 225 M2/Kg Soundness: a) Le-Chatelier Method: 0.5 mm Max 10 mm b) Autoclave Method: 0.02 Max 0.80% Setting Time: Initial: 150 - Min 30 Minutes Final: 180-Max 600 Minutes	3 Days: 37.4-Min 33 Mpa PSI 7 Days: 45-Min 37 Mpa PSI 28 Days: 57.7-Min 53 Mpa PSI	Lime Saturation Factor: 0.94-Min 0.80, Max 1.02 Alumina Iron Ratio: 1.73- Min 0.66 Insoluble Residual: 0.47% - Max 1.50% Megnesia: 2.21% - Max 6% Sulphuric Anhydride: 2.76% - Max 3% Loss on Ignition: 2.71 - Max 3%	Maple Leaf Cement Factory Ltd., 42-Lawrence Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Sulphate Resisting Portland Cement	(PS 612:1989) Blane: 2882-Min 2500 CM2/g a) Le-Chatelier Method: 0.5 mm Max 10 mm Setting Time: Initial: 215- Min 45 Minutes Final: 270-Max 600 Minutes	3 Days: 4322- Min 2176 Mpa 7 Days: 5497 - Min 3409 Mpa 28 Days: 7252- Min 4932 Mpa	Lime Saturation Factor: 0.91-Min 0.66, Max 1.02 Alumina Iron Ratio: 0.80 Insoluble Residual: 0.38% - Max 2.0% Megnesia: 1.99% - Max 4% Sulphuric Anhydride: 2.11% - Max 2.50% Loss on Ignition: 1.12- Max 3% Tri- Calcium Aluminates: 2.11 - Max 3.50%		No Change
			iii) Low Alkali Cement	PS (232:1983): Blane: 2985- Min 2250 CM2/g Soundness:a) Le-Chatelier Method: 0.5 mm Max 10 mm b) Autoclave Method: 0.002 % Setting Time: Initial: 210 - Min 45 minutes Final: 260- Max 600 minutes	3 Days: 4409- Min 2200 Mpa 7 Days: 5555- Min 3400 Mpa 28 Days: 7310- Min 5000 Mpa	Lime Saturation Factor: 0.91- Min 0.66, Max 1.02 Alumnia Iron Ratio: 0.80 Insoluble Residual: 0.41% - Max 1.50% Megnesia: 1.97% - Max 4% Sulphuric Anhydride: 2.10% - Max 3% Loss on Ignition: 1.12- Max 3%		No Change
12		27021000	Blanket repairing solution	Temporary repair for spots and indentations on lithographic offset printing blankets.	Clear liquid at room temperature. Density @ 15 °C 1.05 – 1.32 g/cm3	Synergistic mixture of hydrocarbons and emulsifiers. Swell the offset printing blanket rubber in a short period of time to enable it for reprinting.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
13		27081000	i) Coatar Enamel ii) Primer Synthetic Type II	BS-4164	Black Soild Smooth finsh	Hotmelt Application Coheasion Resistance	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
14		27101240	i. Narrow Boiling Range Hydrocarbon Solvent	Hydrocarbon Fluids with Aromatic content. Used as solvents or diluents in paints & coatings, waxes, varnishes/ polishes, adhesives, inks and cleaners & degreasers.	Clear colorless liquid at room temperature. Density @ 15 °C 0.77-0.80 g/cm3 Flash Point ≥ 40°C	Chemically stable and non-corrosive hydrocarbon solvent. Possess a mild odor. Fast evaporation rate.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
			ii. Low Aromatic White Spirit (LAWS)	Density at 15 C: 790 Flash Point= 36 C Pour Point = -51 C Boiling Range = 154-193 C Aromatic content around 20ppm	Low Odor, colorless, transparent, liquid form	Low aromatic white spirit are complex hydrocarbon substances. There are many low aromatics white spirit range including D40, D60, D80. they all have aromatic content below 20 ppm. Carbon Chain Length: C9-C11 CAS Number: 64742-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi	No Change
15		27101250	Mineral Spirit	Density@15C = 794 Flash Point = 40 C Pour Point = -21 C Boiling Range = 149 - 215 C	Colorless Bright, Crystal Clear Transparent Liquid	Mineral Spirit is made from the blended petroleum distillates with an initial boiling point 149C and 160C and a final boiling point between 205C and 215C. it is Sulfur free dearomatized solvent. Carbon chain length: C9 – C11 CAS Number: 64742-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi	No Change
16		27101919	Narrow Boiling Range Hydrocarbon Solvent	Hydrocarbon Fluids with Aromatic content. Used for machine and parts cleaning and diluents in waxes, cleaners & degreasers.	Clear colorless to yellow liquid at room temperature. Density @ 15 °C 0.78-0.810 g/cm3 Flash Point ≥ 60 °C	Chemically stable and non-corrosive hydrocarbon solvent. Possess a mild odor. Extended evaporation rate.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
17		27101991	Mineral oil (Coning oil) (Spin Finish oil)	Density@ 20C = 0.85 – 0.88g/cm3 Flash Point = 200F and above Pour Point = -21 Water Content = 0.5% Max Viscosity at 40C = 8.5 – 10.5 CST	Colorless to slightly yellowish oily Liquid	A mineral oil is light mixtures of alkanes in the C15 to C40	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi	No Change
18		27101996	White oil	Density@20C = 0.82 - 0.85g/cm3 Flash Point = 320F Pour Point = -18 Color = +30 Doctor Test=Negative Odour = Odorless Viscosity @ 40C = 15 – 22 CST (can be adjusted according to demand) Ultraviolet Absorbance, CFR 178.3620 (b) 280 to 289 nm 4.5 290 to 299 nm 3.5 300 to 329 nm 2.5 330 to 350 nm 1.1	Transparent, colorless, bright and crystal clear oily liquid.	mixtures of paraffinic and naphthenic hydrocarbons components; consists of alkanes (isoparaffins), saturated cyclic alkanes (naphthenic), alkylated aromatics processed of sulphuric acid treatment, dewaxing and hydro treating. pure, stable, colorless, odorless, non-toxic and chemically inert. for application as industrial lubricant & process oils, cosmetics and chemical processing. 21 CFR 172.878, 21 CFR 178.3620, 21 CFR 573.680,	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi	No Change
19	Amend	27101999	Knitted Oil	Density @ 20C : 0.8501 Kinematic Viscosity @ 40C : 22 Cst Flash Point C : 180C	Slightly Yellowish Oily Liquid	High Viscosity Index Paraffinic base stocks treated with oxidation corrosion and foam inhibitor an antiwear addative package with highly stable emulsifier system	Ghani Star Industries, D-67, Q-1, S.I.T.E Super High Way, Phase I Karachi.	Name changed as entered wrongly.
20		27149000	White Flux	Density @ 15 C : 780 Flash Point C : 40C Por Point= -20C Boiling Range: 155-205 C	Colorless, Bright, Crystal clear, transparent, liquid form	White Flux is based on Petroleum Distillates. These complex hydrocarbons reduced the viscosity of bitumen and mix into asphalt and or pored onto the surface. Carbon chain length: C9-C12 CAS Number: 647442-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi	No Change
21		28011000	Chlorine	99.9% pure chlorine	Yellow liquid with very irritating odor	Cl_2	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi	No Change
22		28030010	Carbon Black (Rubber Grade)	N-220, N-330, N-339, N-375, N-326, N-550, N-660 and N-77	N-220, N-330, N-339, N-375, N-550, N-660, N-7	C % 97-98	National Petrocarbon (Pvt) Ltd., 301-304 3rd Floor Beamount Plaza behind PIDC House Karachi	No Change
23		28042100	Liquid Argon	<5 ppm Oxygen	A colourless, odorless, tasteless, noncorrosive, nonflammable and extremely cold noble gas.	Chemical formula: Ar, Mol. Weight: 39.95g/mol, Specific gravity: 1.4, B.P: -185.8 C and Freezing point: -189.3 C	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.	No Change
24		28042900	i) Compressed Oxygen in cylinders	99.70%	Colourless, odorless and tasteless gas. 21% in air by volume.	Symbol: O2, Atomic Number: 8, Atomic mass: 15.9994	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.	No Change
			ii) Compressed Nitrogen in cylinders	<10 ppm Oxygen	Colourless, odorless inert gas. 78% of air by volume.	Chemical formula: N2, atomic Number: 7, atomic weight: 14.0067, specific gravity: 0.97, density: 1.2506 Kg/m3		No Change
			iii) Compressed Argon in cylinders	<5 ppm Oxygen	A colourless, odorless, tasteless noble gas. Boiling point: -185.8 C and Freezing point: -189.3 C.	Chemical formula: Ar, Mol. Weight: 39.95g/mol, Specific gravity: 1.4, density: 1.7837 Kg/m3		No Change
25		28043000	Liquid Nitrogen	<10 ppm Oxygen	A colourless, odorless clear liquid, evaporates rapidly producing cold gaseous Nitrogen. It is denser than air.	Chemical formula: N2, Mol. Weight: 28.01 g/mol, Specific gravity: 0.808, Specific heat: 2.042 Kj/Kg and Boiling point: -195.8 C	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
26		28044000	Liquid Oxygen	99.70%	An odorless, pale blue colour and is strongly paramagnetic. Boiling Boint: -182.6 C and Freezing point: -218.8 C	Symbol: O2, density: 1141 g/l (slightly denser than water).	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.	No Change
27		28061000	Acid, Hydrochloric	35% (+/-1)	Colorless to yellow liquid	HCl	1) Sitara Chemical Industries Ltd. 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
28		28070000	Acid, Sulphuric	96% and above	Specific gravity 1.84 Sour Taste Colorless Odorless Iron contents < 100 ppm Hardness < 60 ppm	Formula H_2SO_4, strong exothermic reaction when diluted, excelent dehydrating agent, reacts with metals to form metalic sulphates, (Copper sulphate, Zinc sulphate, Nickel Sulphate), strong oxidizing agent. Reacts with non metal substances to make nonmetalic sulphides. Reacts with carbon to make CO_2 and SO_2. Reacts with NaCl to mak $NaHSO_4$ and HCl.	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd.,77 D New Muslim Town Main Wahdat Road Lahore 3) Prime Chemical (Pvt) Ltd., 18-A, Civic Centre, Faisla Town (Women Welfare Complex), Lahore 4) Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400 5) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi	No Change
29		28112100	Carbon Di Oxide	99.99% Purity	Liquified Colorless, Odorless gas	CO_2	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
30		28151100	Caustic Soda, solid	97%	Flakes and Solid	NaOH	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
31		28151200	Caustic Soda, liquid	50%	Colorless solution, liquid	NaOH	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
New	New	28241000	Lead Monoxide (Litharge)	Input of PVC Stabilizer and used in Lead-Acid Batteries	Molecular Formula: O4Pb3 State: Solid/ Powder form, Density: 9.1 g/cm3, Melting Point: 500 C	--	Deutsche Chemicals SMC (Pvt.) Ltd., 4Km Raiwind Manga Road, Near Superior Textile Mills, Raiwind, Lahore.	New entry of Deutsche Chemicals added.
32		28259000	Calcium Hydroxide, excluding natural	96% (by weight)	White fine powder	$Ca(OH)_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
33		28271000	Ammonium Chloride	99.70%	White crystals	NH_4Cl	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
34		28272000	Calcium Chloride	77% min. & 94% minimum	Granular Powder Form and Prills	$CaCl_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
35		28273100	Magnesium Chloride	Min 46% & Max. 98%	Off White Granular Solid	$MgCl_2.6H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
36		28273500	Nickel Chloride	24% as Nickel	Yellowish green crystalline powder	$NiCl_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
37		28273900	Iron / Ferric Chloride	40% (+/-2) solution	Dark red / brown liquid	$Fe Cl_3$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
38		28281010	Calcium Hypochlorite	30% and 35% (+/-1)	White, Crystalline solid	$Ca(OCl)_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
39		28289000	Sodium Hypochlorite	19 - 20%	Pale Greenish / yellow, Commercial grade	NaOCl	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
40		28331900	Sodium Sulphates, other	98% and above	Industrial grade for Glass, Detergent Tile	Na_2SO_4 (98%)	Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi	No Change
41		28332100	Magnesium Sulphate	48% Min	Colorless prismatic crystals	$MgSO_4.7H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
42		28332200	Sulphates; aluminum	Of Aluminium 14-15%	In Lumps Form.	14-15%	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd.,77 D New Muslim Town Main Wahdat Road Lahore 3) Prime Chemical (Pvt) Ltd., 18-A, Civic Centre, Faisla Town (Women Welfare Complex), Lahore 4) Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400 5) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
43		28332400	Nickel Sulphate	Nickel 22 $\pm$ 1%	Greenish Crystals	$NiSO_4.6H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad	No Change
New	New	28332920	Tribasic Lead Sulphate	Appearance: White Powder, Pb Content: 80.9 to 82.9%	Input of PVC Stabilizer	--	Deutsche Chemicals SMC (Pvt.) Ltd., 4Km Raiwind Manga Road, Near Superior Textile Mills, Raiwind, Lahore.	New entry of Deutsche Chemicals added.
44		28333000	Alum (Double Salt)	Contain 98% as AL 2 (SO4) (3) (NH4)2 SO4. 24H2	Purifies Water	Soluble in water. In alum crystals, 6 waster molecules are held by monovalent ion. 6 water molecules are held by trivalent ion. 12 water molecules are held in the crystal structure. Aqueous solution of alum are acidic due to carionic hydrolysis of trivalent cation. On heating an alum at high temperature the alum swells up in to a porous mass which is called burn alum. Alum acts as coagulants as they are effective in precipitating colloids. Alum have germicide properties. Alum is stable in air.	Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400	No Change
45		28362000	i) Sodium Carbonate (di-sodium)	Total Alkalinity as (Na_2CO_3)= >=98% Chloride as NaCl= <=0.85% Iron as Fe_2O_3 = <=0.007% Matter Insoluble In Water = <=0.15% Sulphates a Na_2SO_4 = <=0.08%	White Crystalline powder packed in 50Kg or 1000Kg polypropylene bags Pouring Density = 450 to 600 gms / Liter for Light Ash grade and Pouring Density = 950 to 1200 gms / liter for Dense Ash grade	Purity or Total Alkalinity as Na_2CO_3 >=98%	Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Sodium Carbonate (Light)	Name: Soda Ash – Light Grade Specifications: As per Pakistan Standard (PSS 10-1979)	CAS No:497-19-8, EC No: 207-838-8 DETAILS: Chemical Formula: Na2CO3 Appearance: A white granular hygroscopic powder. Bulk Density (g/L): 450 – 600 Boiling Point (°C): Decomposes Melting Point (°C): 854 Flash Point (°C): None pH of a freshly prepared 1% Solution: 11.3	Chemical Properties Soda Ash (Light) DETAILS: Chemical Formula: Na2CO3 Purity as Na2CO3 (%): 98.0 minimum Chloride as NaCl (%): 0.85 maximum Iron as Fe2O3 (%): 0.007 maximum Sulphate as Na2SO4 (%): 0.08 maximum	Olympia Chemicals Ltd., 25-A, Davis Road, Lahore	No Change
			iii) Sodium Carbonate (Dense)	Name: Soda Ash – Dense Grade Specifications: As per Pakistan Standard (PSS 10-1979)	CAS No:497-19-8, EC No:207-838-8 DETAILS: Formula: Na2CO3 Appearance: A white granular hygroscopic powder. Bulk Density (g/L): 950 – 1200 Boiling Point (°C): Decomposes Melting Point (°C): 854 Flash Point (°C): None pH of a freshly prepared 1% Solution: 11.3	Chemical Properties Soda Ash (Light) DETAILS: Formula: Na2CO3 Purity as Na2CO3 (%): 98.0 minimum Chloride as NaCl (%): 0.85 maximum Iron as Fe2O3 (%): 0.007 maximum Sulphate as Na2SO4 (%): 0.08 maximum		No Change
46		28363000	Sodium bicarbonate	Purity as $NaHCO_3$ = >=99% Insoluble substance = 1gm in 20ml water gives clear solution pH of 1% solution at 25°C = 8.5	CAS No:144-55-8, EC No: 205-633-8 Description: Refined Sodium Bicarbonate (free flowing white powder) DETAILS: Formula: NaHCO3 Appearance: A white fine crystalline hygroscopic powder. pH of a freshly prepared 5% Solution: 8.6 maximum White granular powder packed in 25Kg Laminated Polypropylene Bags	DETAILS: Assay (%): 99.0 – 100.5 CO3 (%): 0.23% maximum Ammonium NH4: 20.0 mg/kg maximum Arsenic As: 2 mg/kg maximum Calcium Ca: 100 mg/kg maximum Chloride Cl: 150 mg/kg maximum Heavy Metals (as Lead Pb): 5 mg/kg maximum Iron Fe: 20 mg/kg maximum Sulphate SO4: 150 mg/kg maximum	1) Lucky Core Industries Limited (LCI), Soda Ash Business, 63, Mozang Road, Lahore 54000 2) Olympia Chemicals Ltd., 25-A, Davis Road, Lahore	No Change
47		28365000	Calcium Carbonate/ Precipated Calcium Carbonate (natural, un coated)	(2.5 - 100) microns Top Cut 3 µm-50 µm Natural Calcium Carbonate, grinded & converted into fine powder state	White Powder / Solid Powder form Reactive under acidic condition	$CaCO_3$	1) Shaheen Grinding Mills, 9-KM, Raiwind Road, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Omya Pack (Pvt) Ltd., Kot Radha Kishan Road, Kasur	No Change
48		28470000	Hydrogen Per Oxide	35%, 50%, 60% w/w Concentration and all other Concentrations	Clear Color Less, odour less liquid. Density 1.13-1.24kg/m3 Mol weight34.01 Kmol/Kg	Viscosity @25oC1-1.11cp, Boiling Point @101.3KPA is 108-120 oC, Melting Point -33 to-62 oC, Heat of Decomposition is 233.1 to 334.7 Kcal/Kg	1) Descon Oxychem Limited., 18-Km, Ferozpure Road, Lahore 2) Sitara Peroxide Limited., 26-Km, Sheikhupura Road, Faisalabad.	No Change
49		28491000	Calcium Carbide	--	--	--	Sino Pak Electrochemical Industries Ltd., Plot No. DSU-20, Zulfiqarabad, Bin Qasim, Karachi (Pipri)	No Change
50		29012990	Dissolved Acetylene in cylinders	99.70%	--	--	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
51		29049900	i) Reserver Salt ii) Oxydizing Agent (Textile grade)	Drying Agent	White Powder Yellow Powder	Drying Agent	1) S & F Enterprises, Plot No. F-22, Qabail Colony, Block 11, Gulberg Town, F.B. Area, Karachi 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
52		29054400	Sorbitol Powder	$C_6H_{14}O_6$	White crystalline powder	1 - PH - 50 - 70 - 4	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi	No Change
53		29054500	Glycerol (Glycerine), refined	Concentration: 98.5 % min, Specific Gravity: 1.258-1.266 @20°C	Clear water white Liquid	$C_3H_8O_3$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Faisalabad.	No Change
54		29151100	Acid, formic	85% and above	Transparent Liquid Form	HCOOH 85%	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd., 77 D New Muslim Town Main Wahdat Road Lahore	No Change
55		29153100	Ethyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
56		29153300	N-Butyl Acetate / Sabutol Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
57		29153930	Sec-Butyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
58		29153940	Mehtyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
59		29153990	N-Propyl Acetate / Iso-Butyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
60		29157010	Acid, stearic, chemically pure	IV 1.0 ~ 3.0, Acid Value 198 ~ 206, Sponification Value 199 ~ 206, Specific Gravity 0.86, Molecular wt 284.47	Color White, Appearance Small Flakes, Melting point61 ~ 65	$C_{17}H_{35}COOH$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
61		29163910	Ibuprofen	- Current pharamacopoial BP/EP, USP Specifications - White or almost white crystalline powder or colorless crystals.	Solid (Powder) (1)Melting Point: 75.0°C — 78.0°C (2) LOD NMT 0.5% (3) Density 1.03 gm/cc	- Propionic Acid Derivative - nonsteroidal anti-inflammatory drug used for relief of symptoms of arthritis, fever, as an analgesic for pain,	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
62		29171400	Maleic anhydride	Solidification point: 52.4̊c Maleic Acid (%): <0.1 Purity By G.C (%Wt): Min. 99.0 Colour (APHA): Max. 15 - 20 Citraconic Acid %: <0.1 Benzoic Acid %: <0.1 Ortho Toulaldhyde %:<0.1	A colorless crystalline needles, flakes, pellets, rods, briquettes, lumps or a fused mass with pungent odour. Chemical Name: 2 – 5 Furandione Molecular formula: $C_4H_2O_3$ Molecular Weight: 98.06 Melting Point: 52.4 °C Boiling Point: 202 °C Thermal Decomposition Temp: > = 200 °C Solubility in water: Soluble in water.	- Moderately toxic white solid chemical. - Reacts vigorously on contact with oxidizing materials and exothermically with water or steam. - Undergoes violent exothermic decomposition reactions, producing carbon dioxide, in the presence of strong bases (sodium hydroxide, potassium hydroxide, calcium hydroxide), alkali metals (lithium, sodium, potassium), aliphatic amines (dimethylamine, trimethylamine), aromatic amines (pyridine, quinoline) at temperatures above 150° C. - The presence of a residue of weak sodium hydroxide solution in a pressure vessel caused maleic anhydride to decompose in a runaway explosive reaction.	Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura	No Change
63		29173200	Dioctyl Orthophthalates (DOP)	Acid value 0.02%, MC 0.05% Colour 15 APHA	A colorless, odorless, oily liquid mild odour. Slightly less dense than water and insoluble in water. Hence floats on water. Molecular Formula : $C_{24}H_{38}O_4$ Molecular Weight : 390 Melting Point : - 50.0 °C Boiling Point : 384.0 °C Specific Gravity : 0.978 ~ 0.985 at 20 ºC Vapour Pressure : 1.0X10-7 mm Hg at 25 ºC.	It emits acid smoke and irritating fumes on heating. It reacts with acids to liberate heat along with alcohols and acids. Strong oxidizing acids may cause a vigorous reaction that is sufficiently exothermic to ignite the reaction products. Heat is also generated by the interaction with caustic solutions. Flammable hydrogen may be generated by mixing with alkali metals and hydrides. It can generate electrostatic charges by swirling or pouring. It is incompatible with Strong oxidizing agents. DOP is an indirect food additive for use only as a component of adhesives.	1) Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura 2) AHN Colloids Chemicals (Pvt) Ltd., 10-Abbott Road, Lahore 3) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
64		29173410	Di-Butyl Phthalate	99.5% Purity	Appearance: clear, color APHA: 30-40, MC%: 0.1, Acid Value (mgKOH/gm): 0.1		Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
65		29173500	Phthalic anhydride (PA)	Solidification point: 130.9 Colour (APHA): 20 Heat Hazen at 250 C (APHA): 40 Purity By G.C (%Wt): Min. 99.85 Benzoic Acid %: 0.05	A colorless to white lustrous solid in the form of needles with a mild distinctive odor. Forms a corrosive solution when mixed with water. Chemical Name :1, 2 Benzene Di Carboxylic Acid Anhydride ($C_8H_4O_3$) Molecular Weight : 148 Melting Point: 131.9 °C Boiling point: 284.5 °C Vapor pressure : 5.17X10-4 mm Hg at 25 ºC Vapor density: 6.6 (Air = 1) Water solubility : 6,000 mg/L at 25 ºC Slightly soluble: in ethyl ether Soluble in Ethanol, acetone, benzene	Hydrolyzes rapidly in the presence of water forming Phthalic Acid. Incompatible with acids, strong oxidizing agents, alcohols, amines, and bases. Reacts with strong oxidants, strong acids, strong bases and reducing agents. Reacts violently with copper oxide and sodium nitrite on heating. This generates explosion hazard. Attacks many metals in the presence of water. Naphthoquinones (byproduct of Naphthalene) reacts with iron salts of phthalic acid & iron sulfides to form fire & explosion. The material is stable at normal conditions even under fire exposure conditions and do not react with water.	Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura	No Change
66		29173610	Purified Terephthalic Acid	--	White, free flowing crystalline powder	--	Lotte Chemical Pakistan Ltd., Eastern Industrial Zone, EZ/1-P-4, Port Qasim Road, Karachi	No Change
67		29173990	DOTP (Dioctyl Terephthalate)	DOTP is a plasticizer that can be prepared by esterification of terephthalic acid (PTA) eith 2-Ethyl Hexanol	color: clear or colorless, water solubility: insoluble	SG at 25C: 0.980-0.986 Flash Point: > 225 C Refractive Index: 1.4867 Ester Content: > 99.5% Max. Moisture: 0.1	Quality Flavors (Pvt.) Ltd., 43-A, Madni Chowk, 1-Km, Kattar Bund Road, Thokar Niaz Baig, Lahore.	No Change
68		29242910	Paracetamol	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Para Aminophenol Derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
69		29315999	Booster Agent	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
70		29319090	Sequester agent	Textile grade			1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	No Change
71		29321900	Empagliflozin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Sugur derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
72		29333990	Omeprazole (Powder/ Pellets) - Esomeprazole (Powder/ Pellets)	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Benzimidazole Derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
73		29334990	i) Moxifloxacin	- current pharamacopoial BP/EP, USP Specifications - Light yellow or yellow, slightly hygroscopic powder or crystals	- Solid (Powder) - Solutbility: Sparingly soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in acetone - Water MAX 4.5% - pH 3.9 – 4.6	- Quinolones derivatives - hydrochloride salt of a fluoroquinolone antibacterial antibiotic. It binds to and inhibits the bacterial enzymes DNA gyrase (topoisomerase II) and topoisomerase IV, resulting in inhibition of DNA replication and repair and cell death in sensitive bacterial species	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Moxifloxacin HCL	BP & USP Specifications	Light Yellow or Yellow Powder or crystals, slightly hygroscopic.	Active Pharmaceutical Ingredient (API) Solubility sparingly soluble in water, slightly soluble in Ethanol (96%), Practically insoluble in Acetone PH: (3.9-4.6), Water: K/F 4.5 Chemical Formula: C21H25CIFN3O4 Molecular Weight: 437.9	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
			iii) Montelukast Sodium	White or almost white, hygroscopic powder	(1)Solutbility Freely soluble in water and in methylene chloride, freely soluble to very soluble in ethanol (2) Water Max 2.0%	Orally bioavailable monosodium salt of montelukast, a selective cysteinyl leukotriene receptor antagonist with anti-inflammatory and bronchodilating activities. Blocks the cysteinyl leukotriene 1 (CysLT1) receptor, preventing binding of the inflammatory mediator leukotriene D4 (LTD4). Inhibition of LTD4 activity results in inhibition of leukotriene-mediated inflammatory events including: migration of eosinophils and neutrophils; adhesion of leukocytes to vascular endothelium, monocyte and neutrophil aggregation; increased airway edema; increased capillary permeability; and bronchoconstriction		No Change
74		29335930	Ciprofloxacin Hydrochloride	- Current pharamacopoial BP/EP, USP Specifications - A pale yellow, Crystalline, Hygroscopic powder	'- Solid (Powder) - Soluble in water, slightly soluble in methanol, very slightly soluble in anhydrous ethanol, practically insoluble in acetone, in ethyl acetate and in methylene Chloride - LOD MAX 6.7%, - pH 3.5 – 4.5	Fluoroquinolone derivative, used to treat a wide variety of infections, including infections of bones and joints, endocarditis, gastroenteritis, malignant otitis externa, respiratory tract infections, cellulitis, urinary tract infections, prostatitis, anthrax, and chancroid.	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore 3) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.	No Change
75		29335990	Cetirizine dihydrochloride	White or almost white powder	(1)Solutbility: Freely soluble in water, practically insoluble in acetone and in methylene chloride (2) LOD MAX 0.5% (3) pH 1.2 – 1.8	A synthetic phenylmethyl-piperazinyl derivative, antihistaminic Cetirizine is a metabolite of hydroxyzine and a selective peripheral histamine H1-receptor antagonist. It is used for symptomatic treatment of seasonal and perennial allergic rhinitis and for chronic urticaria. (NCI04)	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
New	New	29336990 (29336100)	H2S Scavenger for oilfields	Consist of MEA-Triazine	In liquid state, SG: 1.05-1.13, PH: 10-12	MEA-Triazine	Redox (SMC PVT) Ltd., 26 No. Chongi, Peshawar Road, Islamabad.	Added per the request of Redox. PCT Head may be confirmed.
76		29339990	i) Sitagliptin Phosphate	White or almost white powder	(1) Solubility: Soluble in water, very slightly soluble in anhydrous ethanol, practically insoluble in heptane (2) Water: (Limit .3.3 – 3.7%)	Chemical Name: 4-oxo-4-(3-(trifluoromethyl)-5,6-dihydro(1,2,4)triazolo(4,3-a)pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)butan-2-amine Sitagliptin is an oral dipeptidyl peptidase-4 (DPP-4) inhibitor used in conjunction with diet and exercise to improve glycemic control in patients with type 2 diabetes mellitus. The effect of this medication leads to glucose dependent increases in insulin and decreases in glucagon to improve control of blood sugar	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Vildagliptin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Sugur derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
~~77~~	Delete	~~29349910~~	~~Furazolidine~~	~~Active Pharmaceutical Ingredient (API) & Feed grade~~	~~Yellow Powder~~	~~--~~	~~Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore~~	May be deleted per Policy letter.
78		29349990	i) Levofloxacin hemihydrate	- Light yellowish-white or light yellow, crystalline powder - Current pharamacopoial BP/EP, USP Specifications	(1)Solutbility: Sparingly soluble in water, freely soluble 111 acetic acid, sparingly soluble in methanol, slightly soluble 111 anhydrous ethanol. (2) Water 2.0 – 3.0 % (3) Solid (Powder)	- Fluoroquinolone derivative - Levofloxacin is a broad-spectrum, third-generation fluoroquinolone antibiotic and optically active L-isomer of ofloxacin with antibacterial activity. Levofloxacin diffuses through the bacterial cell wall and acts by inhibiting DNA gyrase (bacterial topoisomerase II), an enzyme required for DNA replication, RNA transcription, and repair of bacterial DNA. Inhibition of DNA gyrase activity leads to blockage of bacterial cell growth	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
			ii) Sofosbuvir	Manufacturer Specifications	Solid (Powder)	Antiviral	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
			iii) Ofloxacin	Pale yellow or bright yellow, crystalline powder.	(1)Solutbility: Slightly soluble in water, soluble in glacial acetic acid, slightly soluble or soluble in methylene chloride, slightly soluble in methanol. (2) LOD MAX 0.2% (3) Optical Rotation: -0.10 to + 0.10	Used to treat a wide variety of infections, including infections of bones and joints, endocarditis, gastroenteritis, malignant otitis externa, respiratory tract infections, cellulitis, urinary tract infections, prostatitis, anthrax, and chancroid.	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
79		29359030	Sulfamethoxazole	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder), Almost White Crystalline	Sulfonamide Derivative Solubility: Practically insoluble in water, freely soluble in Acetone, sparingly soluble in Ethanol (96%). Melting Point: 169 °C-172°C LOD: Not more than 0.5 % Assay:99.0 %-101.0 %	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore	No Change
80		29372200	Betamehasone Valerate	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Glucocorticoid derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
81		29394100	Ephedrine Hydrochloride / Ephedrine Sulphate	Active Pharmaceutical Ingredient (API)	White Crystalline Powder	--	Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore	No Change
82		29394200	Pseudoephedrine Hydrochloride / Pseudoephedrine Sulphate	Active Pharmaceutical Ingredient (API)	White Crystalline Powder	--	Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore	No Change
83		29411000	- Amoxycillin Trihydrate - AmpicillinTrihydrate - Cloxacillin Sodium	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Penicillin Derivatives	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.	No Change
84		29415000	Clarithromycin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Macrolide derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
85		29419010	Cephalexin hydrate	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (I-st Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
86		29419040	Cephradine	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (I-st Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
87		29419060	Cefixime	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (III-rd Generation)	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.	No Change
88		29419090	i) Cefadroxil / Cephradine-L-Arginine Sterile ii) Cefaclor iii) Ceftriaxone Sodium Sterile	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	i) Cephalosporins (I-st Generation) ii) Cephalosporins (II-nd Generation) iii) Cephalosporins (III-rd Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore	No Change
89		30049092	Paracetamol	White or almost white, crystalline powder.	(1)Melting Point: 168.0°C — 172.0°C (2) LOD NMT 0.5% (3) pH 5.3 – 6.5 at 25°C (4) Density 1.293gm/cc	Paracetamol (p-Hydroxyacetanilide) undergoes usual reaction of Phenols because of the presence of its hydroxyl functional groups. It undergoes reactions such as acetylation, oxidation, reacts with sodium hydroxide and it gives a positive test to iron (iii) chloride test based on the presence of the phenolic group	1) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.	No Change
90		30051010	Surgical Tape (Woven/ Cloth type)	Thickness from 15 microns to 500 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change
91		30051090	Surgical Tape (Paper / PET / Non Woven Type)	Thickness from 15 microns to 150 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi	No Change
92		32021000	Synthetic organic tanning substances	Tanning is the process of treating skins and hides of animals to produce leather. The substance used to achieve the desired affect are known as tanning substances.	May be solid or liquid at room temperature	Crosslinking of the protein structure of skin, making it more durable and less susceptible to decomposition.	1) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
93		32029010	Tanning preparations	used to achieve the desired affect are known as tanning substances.	May be solid or liquid at room temperature	Crosslinking of the protein structure of skin, making it more durable and less susceptible to decomposition.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 3) Industrial Chemicals (Pvt.) Ltd. , D-29 SITE, South Avenue, Manghopir Road , Karachi 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore	No Change
94	Delete	32029090	Bates, artificial	In the bating process, proteases are used to remove scud and unwanted proteins. The process also deswells swollen pelts. The result of bating with the use of enzymes is a clean,smooth and soft hide surface.	May be solid or liquid at room temperature	Enzymes	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore	Name of BASF may be deleted as not manufacturing locally.
95		32041120	Disperse dyes and preparations (Liquid)	Water-insoluble dyes that are used for the dyeing of polyester and acetate fibers. Normally comes with a dispersing agent to disperse them in water.	semi-solid or liquid at room temperature	Water-insoluble dyes	Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
96		32041190	Disperse dyes and preparations (Other)	Water-insoluble dyes that are used for the dyeing of polyester and acetate fibers. Normally comes with a dispersing agent to disperse them in water.	May be solid, semi-solid or liquid at room temperature	Water-insoluble dyes	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
97	Delete	32041200	i) Dyes, acid ii) Acid Dyes for Leather	Water soluble dyes used for the dyeing of silk, wool, nylon and modified acrylics	May be solid, semi-solid or liquid at room temperature	Water soluble dyes	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 3) Sardar Dyes & Chemical Industries, 4) Chemi-Dystuff Industries (Pvt) Ltd., 5) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore ~~6) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad~~ 7) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 8) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore ~~9) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~	Name of BASF and Sandal Dystuffs may be deleted as not manufacturing locally.
98		32041300	Basic Dyes	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
99	Delete	32041400	Direct dyes and preparations	Water soluble substantive dyes that have affinity for cellulosic fibres	--	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad~~ 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Sandal May be deleted as no more in production.
100		32041510	Indigo Blue	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
101	Delete	32041600	Reactive dyes and preparations	primarily used for tinting textiles, that attach themselves to their substrates by a chemical reaction by forming a covalent bond between the molecule of dye and that of the fibre.	May be solid or liquid at room temperature	Water soluble organic substances that are attached to the fibers through a dyeing process with the help of certain chemicals	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad~~ 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Sandal May be deleted as no more in production.
102	Delete	32041710	Pigments and preparations	Pigments are water insoluble and are applied as finely ground solid particles through a liquid matrix. Pigments may be organic.	May be solid, semi-solid or liquid at room temperature	Main organic pigment includes azo pigments and Copper phthalocyanines.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Mobile Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore ~~3) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ ~~4) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad~~ 5) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 6) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 7) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Name of BASF and Sandal may be deleted as not manufacturing locally.
103		32041720	i) Pigments Blue (15:0 & 15:03), Yellow, Reds, Pinks & Oranges	Pigment Dye for Textile Industries	Blue, Yellow, Red, Pink & Orange (odorless Liquid)	Copper Ptha locyn ine Pigment Diazo Pigment	M.N CHEMICAL INDS. (PVT) Ltd., M.N Plaza West Canal Road, Skan College Faisalabad	No Change
			ii) Liquid Masterbatch Organic Colors	Liquid Colorants for PU, PVC, W/B & S/B, Paints, Textile printing	Liquid color components viscosity of 900-3500cps	Combination of organic resins, solvents and organic pigments	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804	No Change
			iii) Pigments in Liquid form	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
104		32041790	Solid Masterbatch Organic Colors	Plastic granulated Colorants for PE, PET, PC, ABS, PS etc., Textile	Solid plastic color component melting range 150-280	Combination of plastic resins, additives and pigments	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804	No Change
105		32041910	Dyes Sulphur	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
106	Delete	32042000	Synthetic organic products of a kind used as fluorescent brightening agents	Optical brighteners, optical brightening agents (OBAs), fluorescent brightening agents (FBAs) or fluorescent whitening agents (FWAs) are chemical compounds that absorb light in the ultraviolet and violet region (usually 340-370 nm) of the electromagnetic spectrum, and re-emit light in the blue region (typically 420-470). These additives are often used to enhance the appearance of fabric and paper, causing a "whitening" effect"; they make intrinsically yellow materials look less so, by compensating the deficit in blue and purple light reflected by the material, with the blue and purple optical emission.	May be solid or liquid at room temperature	--	1) Sardar Dyes & Chemical Industries, ~~2) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad~~ 3) Chemi-Dystuff Industries (Pvt) Ltd., 4) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore, 5) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 6) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 7) Nimir Resins Ltd., 12-B, New Muslim Town, Lahore 8) S & F Enterprises, Karachi 9) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 10) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Sandal May be deleted as no more in production.
107	Delete	32049000	Whitening agent	Textile grade	May be solid, semi-solid or liquid at room temperature	--	1) Sardar Dyes & Chemical Industries, ~~2) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad~~ 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 4) Chemi-Dystuff Industries (Pvt) Ltd., D/4, South Avenue, S.I.T.E Karachi-75700 5) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 6) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 7) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore, 8) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 9) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	Sandal May be deleted as no more in production.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
108	Delete	32061900	Pigments and preparations	Textile/Leather grade Preparations containing less then 80% titanium dioxide , include dispersions in plastics, natural rubber, synthetic rubber or plasticizers, used for colouring plastics and rubber etc in the mass.	May be solid, semi-solid or liquid at room temperature	Mainly inorganic pigment based on TiO_2.	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 5) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore	Name of BASF may be deleted as not manufacturing locally.
~~109~~	~~Delete~~	~~32062010~~	~~Chrome Yellow for oil Paint, Industrial Paints, Master Batches, Artificial Leather, NC Paints, Road Marking and printing Inks~~	~~Chrome Yellow Pigments (Inorganic) 99%~~	~~Appearance Yellow Colour~~	~~PH. Value 5.7 to 7.8 PbCrO4 <86 to < 90% S.P. Gravity 5.6 to 6.1 Heat stability: 180 ºC to 240 ºC Light fastness :6-7 Moisture 0.5% Full strength: 100 +- 5% Particle size: 325 to 450 Mesh~~	~~Poplon Pakistan (Pvt.) Ltd., 34-N, Gulberg II, Lahore~~	To be deleted as Poplon confirmed they are not manufacturing this item any more.
110		32064290	Masterbatches	Based on Lithopane/ Zinc Sulphide:	Solid form	Dispersion of Lithopane and Zinc Sulphide in polymers	1) Clariant Chemicals Pakistan (Pvt) Ltd. Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore	No Change
111		32064910	Masterbatches	Master Batches - Solid	Solid form	Organic and inorganic in nature, resistance to solvents, nature is acidic /alkali	1) Clariant Chemicals Pakistan (Pvt) Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770	No Change
112		32064990	Masterbatches	Master Batches- Liquid	Paste form	Organic and inorganic in nature, resistance to solvents, nature is acidic /alkali	1) Clariant Chemicals Pakistan (Pvt) Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 5) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
113		32081010	Paints and varnishes (including enamels and Nitro cellulose lacquers)	Based on polyesters and Nitro cellulose	Stoving Type	Polyester + Melamine Base	1) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 2) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd. Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
114		32081090	i) Stoving clear Coats	Polyester based	Clear Coat for Glossy Finish. Clear coat (Baking)	UV resistant, water Resistant & Proctective Clear coat.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 3) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770	No Change
			ii) Aluminium Paints	Polyester based	Metal finishing	Metallic effect finishes.		No Change
			iii) Metallic / Pearl basecoat (Baking Paint)	Polyester based (Resins with Alumnium & Mica).	Colored properties with Mica & Aluminium.	To give assorted colors.		No Change
			iv) Stoving enamels	Polyester based	Give color & Protection.	Corossion resistant.		No Change
			v) Stoving Primer/ Intermediate Coat	Polyester based	- For Smooth finish & good adhesion. - Liquid coloured paint with anti-chipping property	- Anti corrosive property. - Mild Acid/Alkali resistant middle coat		No Change
			vi) Solid Colour Topcoat (Baking Paint)	Polyester based	Coloured liquid paint for automotive vehicles	Protection & good appreance.		No Change
			vii) Cathodic Electro-Deposition Primer (CED)	Acrylic based CED paint (Two Component- Baking paint) - F-1 Pigment Paste & F-2 Resin Emulsion	i) Coloured liquid paint ii) Milky liquid emulsion paint	Anti-corrosive paint		No Change
115		32082090	i) Plastic Parts Clear Coat	Special synthetic Acrylic Polyol based resin.	Clear Coat for Glossy Finish.	UV resistant, water Resistant.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore.	No Change
			ii) Clear coat (Baking paint)	Acrylic Melamine based Resin.	Clear Coat for Glossy Finish.	UV resistant & Proctective Clear coat.		No Change
			iii) Stoving clear Coats	Acrylic based	Clear Coat for Glossy Finish. Clear coat (Baking)	UV resistant, water Resistant & Proctective Clear coat.		No Change
			iv) Aluminium Paints	Acrylic based	Metal finishing	Metallic effect finishes, Based on acrylic or vinyl polymers:		No Change
			v) Metallic / Pearl basecoat (Baking Paint)	Acrylic based (Resins with Alumnium & Mica).	Colored properties with Mica & Aluminium. Metal finishing	To give assorted colors. Based on acrylic or vinyl polymers:		No Change
			vi) PU Clears Paints	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Clear Coat for Glossy Finish.	UV resistant, water resistant & good weatherability.		No Change
			vii) Primer / Base Coat for Plastic Parts	Special synthetic Acrylic Polyol based resin.	Pigmented Colored Paint. Pigmented color for Automitive vehicles. Clear Coat for Glossy Finish.	For Smooth surface adhesion & Finish. To give assorted colors. UV resistant, water Resistant.		No Change
			viii) PU Enamels / PU Primers	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Give color & Protection. For Smooth finish & good adhesion.	Protect against weather. UV resistant, water Resistant & good adhssion to the substrate.		No Change
			ix) Intermediate Coat	Acrylic based	- Liquid coloured paint with anti-chipping property	- Mild Acid/Alkali resistant middle coat		No Change
			x) Paints and varnishes (including enamels and lacquers)	Based on acrylic or vinyl polymers:	For Smooth finish & good adhesion.	Stoving & Air drying,		No Change
			xi) Stoving enamels	Acrylic based	Give color & Protection.	Based on acrylic or vinyl polymers:		No Change
			xii) Paints for shoe-soles and heels		Spray and brush application	Organic & Inorganic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
116		32089090	Following Paints excludin Recrack 4800FM 21BK02-AVT-PKT-1, SPM 350 1 (Black FW, BLUE MR3, Scarlet HP paste E, Arakyd 251, T-9904A BLACK UDP, BYK All Grades), R-180 NH (167L & 683 L/BYK Different grades), used in auto sector i) Primer Surfacer / Intermediate Coat (Baking Paint)	Polyester/Melamine resin based paint for automotive	Liquid coloured paint with anti-chipping property	Mild Acid/Alkali resistant middle coat	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore.	No Change
			ii) Stoving clear Coats	Alkyd Melamine Based Resin.	Clear Coat for Glossy Finish.	UV resistant, water Resistant &		No Change
			iii) Aluminium Paints	Alkyd Melamine Based Resin.	Metal finishing	Based on varnishes		No Change
			iv) Metallic / Pearl basecoat	Alkyd Melamine Based	- Colored properties with Mica &	- To give assorted colors.		No Change
			v) Stoving enamels	Alkyd Melamine Based Resin.	Give color & Protection.	Corossion resistant, Based on		No Change
			vi) Stoving Primer/	Alkyd Melamine Based Resin.	- For Smooth finish & good	- Anti corrosive property.		No Change
			v) Solid Colour Topcoat	Alkyd Melamine Based Resin.	Coloured liquid paint for	Protection & good appreance.		No Change
			vi) PU Clears Paints	Polyurethane (PU) Polyol /Acrylic	Clear Coat for Glossy Finish.	UV resistant, water resistant & good		No Change
			vii) Primer / Base Coat for	- Special synthetic Acrylic Polyol	Pigmented Colored Paint.	- For Smooth surface adhesion &		No Change
			viii) PU Enamels/Primers	Polyurethane (PU) Polyol /Acrylic	Give color & Protection.	Protect against weather.		No Change
			ix) Cathodic Electro-	Modified Epoxy resin based CED	i) Coloured liquid paint	Anti-corrosive paint		No Change
			x) PU (Polyurethane Resin)	Sp. Gravity : 1.30, Acid Value;, <1	Colorless thick Liquid	Reaction Mixture of polyol, pure MDI	A.T.S Synthetic (Pvt) Ltd., 4-Km,	No Change
			xi) Adhesion-promoters for Shoe-sole attachment and soccer-balls screen printing		Brush application	VOC & low-VOC-Based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
117		32091090	i) Road Marking Paint Material	Water Base	PVA Base	Drying Application	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
			ii) Cathodic Electro-	Acrylic based CED paint	Coloured liquid paint	Anti-corrosive paint	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
118		32099090	i) Deposition Primer (CED)	Modified Epoxy resin based CED paint (Two Component- Baking paint) - F-1 Pigment Paste & F-2 Resin Emulsion	ii) Milky liquid emulsion paint	--	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
			ii) Aerosol Paint	Aerosol paint is a type of paint that comes in a sealed pressurized container. Spray paint leaves a smooth, evenly coated surface.	Colored liquid at room temperature Relative Density @ 15 °C 0.7 – 0.8	Ingredients in aerosol paint can include petroleum distillate solvents, propellent, pigments and corrosion inhibitors	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
			iii) Paints for shoe soles/heels		Spray and brush application	Organic & Inorganic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
119		32100010	Other paints and varnishes (including enamels, lacquers and distempers); prepared water pigments of a kind used for finishing leather.	Distempers	For Smooth finish	Water Base	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
120	Delete	32100020	Prepared water pigments	For Textile	May be solid, semi-solid or liquid at room temperature	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 3) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi	Name of BASF may be deleted as not manufacturing locally.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
121		32110090	Dryers, prepared	For paints	Liquid	Dryer for Paints	1)Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
122		32131000	Water Color Sets/ Poster Color Sets	Semi Liquid Filled in plastic tubes	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi	No Change
123		32149010	Silicon Sealant	Acetoxy & Neutral Cure Sealants	For use in Construction, Automotive, Solar Panels, Home Appliances, Electronics, Textiles, Glass Processing, Sanitary, and others	Sealant made using, but not solely comprising of, silicone polymer [-Si-O-Si-] backbone	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore	No Change
124		32151110	Rolling coating printing ink	Rolling coating printing ink	(Fexo, Grevier & Off Set)	Solvent Base Water Base	1) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
125		32151190	Black - Flexographic, Rotogravure & Offset Sheet fed Printing inks	Prinitng inks for packaging, lithography	Liquid/Paste	Water based / Solvent Based / Oil Based	1) DIC Pakistan Ltd, Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53805 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
126		32151920	Digital printing inks	Prinitng inks for textile application	Liquid/Paste	Water based / Solvent Based	1) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53805 2) MB Dyes Chemical & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
127		32151990	Colored - Flexographic, Rotogravure & Offset Sheet fed (lithographic) Printing inks, screen printing inks	Prinitng inks for packaging, lithography, plastic substrates	Liquid/Paste	Water based / Solvent Based / Oil Based	1) DIC Pakistan Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
128		32159090	i) Ink	Fountain Pens inks in Bottles, Sachets and Catridges	Colour: Black, Blue, Red, Green, Form: Liquid, Boiling Point (at 760 mmHg): 99°C, PH:5.46~7.85, Specific Gravity: 1.004~1.017gm/cm³, Viscosity at 25°C: 3.3~4.72cps, Surface Tension: 51.813~65.944dyne/cm		Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700	No Change
			ii) Inkjet inks	Solvent based inks for advertisement bill boards, flex printing	Liquid/Paste	Water based / Solvent Based	1) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
129		33051000	Hair Shampoo	Designed to protect hair from breakage, drying & damage. Improve moisture retention and elasticity. Suitable for all hair type.	Milky white creamy texture at room temperature. Relative Density @ 25 °C ≥ 0.90	Blend of surface-active materials, salt & moisturizer. It is effective for all types of hair for shining & moisturizing from root to tip.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/ Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura	No Change
130		33059090	Hair Conditioner	Designed to protect hair from breakage, drying & damage. Improve moisture retention and elasticity. Suitable for all hair type.	Milky white creamy texture at room temperature. Relative Density @ 25 °C ≥ 0.90	Blend of surface-active materials, salt & moisturizer. It is effective for all types of hair for shining & moisturizing from root to tip.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/ Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura	No Change
131		33072000	Body Sprays / Deodorants	Deodoriser/Perfume for personal care in form of Aerosol spray - 120ml to 250ml	Filled in aluminium cans of various dia (40-65mm) and various heights (110-205mm)	Ethanol/Perfume based in Gas & Non Gas variant	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
132		33074900	Air Freshener	Emit fragrance when sprayed or dispersed in air. May be used indoors in residential, commercial, hospitality, medical facilities and public arenas.	Colorless liquid at room temperature Relative Density @ 15 °C 0.60 – 0.80	Ingredients in air fresheners can include fragrances, aerosol propellants, corrosion inhibitors, preservatives, and solvents.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura	No Change
133		34011100	Soap for Toilets use (including medicated products)	Moisture = 11.0- 19% FFA= % 1.5 max. Sod. Chloride = 0.85 max Na2O % = 0.10 max TFM 74.0 Min	White Soap Noodles	Sodium salt of fatty acids	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Fiasalabad.	No Change
134		34011990	Hand Sanitizer/ Wetting Agent	W.H.O compliant Instant Sanitizer. Kills most bacteria, fungi and enveloped viruses such as Coronaviruses and influenza. Its strong smelling formula evaporates completely with no rinsing required.	Clear to colorless viscous gel at room temperature. Density @ 25 °C 0.85 - 0.95 g/cm3 pH Conc. @ 25 °C 6 - 8	Blend of alcohol & humectants. Reduces population of bacteria, fungi, and enveloped viruses.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
135		34012000	Soap Noodles	Moisture: 11.0-19%, FFA: 1.5% max, Sod. Chloride: 0.85% max, Na2O: 0.10% max, TFM: 74.0 Min	White Soap Noodles	Sodium salt of fatty acids	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura 3) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Fiasalabad	No Change
136		34013000	Hand Wash/Face Wash/Body Wash	It is designed for safe, simple and effective hand hygiene, cleansing of face and body	Creamy/gel liquid at room temperature. Density @ 25 °C 1.00 ± 0.1 g/cm3	Blend of surface-active materials, moisturizer and other chemicals.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
137		34023100	Linear Alkyl Benzene Sulphonic Acid	96% & 90%	Liquid	--	Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
138		34023900	i) Sodium Lauryl Ether Sulphate ii) Sodium Lauryl Sulphate iii) Wetting Agent (for textiles)	70%	Powder & Paste	--	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	No Change
139		34024110	Organic surface Active Agent other than Soap (cationic)	Pharmaceutical Grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
140		34024190	Levelling Agent	For Textile Industry			1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
141	Amend	34024200	Non Ionic Surface-active agents **(Excluding Material Grades used in the manufacturing/ formulation of Agro-Chemicals/ Pesticides)**	Surfactants are compounds that lower the surface tension (or interfacial tension) between two liquids or between a liquid and a solid. Surfactants may act as detergents, wetting agents, emulsifiers, foaming agents, and dispersants.	May be solid or liquid at room temperature	Surfactants that do have an ionic character	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 4) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	Amended, as ingredients for agro-chemicals not produced locally.
142		34024990	Car Shampoo	Car Care Products	Cleaning Agents	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore	No Change
143		34025000	i) Engine Cleaner	Car Care Products	Cleaning Agents	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore	No Change
			ii) Toilet cleaners	Organic surface- active agents (other than soap); surface- active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap,	Thick Liqued Blue color	Acid solution with additive	1) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 2) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
			iii) Glass Cleaner	Designed to give a streak free shine to glass, mirrors and washable surfaces, removes dirt, dust, fingerprints, smudges, lint, grime, bugs and other contamination from glass.	Clear liquid at room temperature. Density @ 25 °C 0.90 - 1.05 g/cm3	Blend of surface-active materials & organic actives suitable for effective cleaning with a streak free shine & fast-drying formula.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
			iv) Roller deglazer and cleaner	Cleaning and rejuvenating paste for lithographic offset inking rollers; removes stubborn deposits on older inking rollers; for use on dismantled rollers; suitable for NBR and EPDM compounds. To be used in sheet fed, web offset heatset printing machines	Yellow to light brown paste at room temperature. Density @ 15 °C 0.95 – 1.05 g/cm3	Cleaning paste for inking rollers. Quickly removes the ink from rubber rollers and blanket. Suitable for conventional ink.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
144	Delete	34029000	i) Surface Active Preparations and cleaning agents	Mainly act as detergents, wetting agents, emulsifiers, foaming agents or dispersants. Surfactants of various nature may be blended for the synergistic effect.	May be solid or liquid at room temperature	May be blend of ingredients containing one or more surfactant. May include auxiliaries to boost the performance of the formulation.	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) S & F Enterprises, Plot No. F-22, Qabail Colony, Block 11, Gulberg Town, F.B. Area Karachi 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore.	Name of BASF may be deleted as not manufacturing locally.
			ii) Glass cleaners / Floor Cleaner	Organic surface- active agents (other than soap); surface- active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap,	Liqued blue color solution of cleaning additives. Milky Liqued	additives solution in water and alcohal. Solution of Pine oil , disinfectant and additives in Water.	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
145	Delete	34031110	Preparation	Preparations are intended to prepare leather and give it dersirable properties.	--	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 3) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi	Name of BASF may be deleted as not manufacturing locally.
146		34031910	i) Silicone Grease	Greases	For lubricating and preserving rubber parts	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore	No Change
			ii) Grease	ASTMD 217, ASTMD 2265, ASTMD 2270, ASTMD 942, ASTMD 1743, ASTMD 2509, ASTMD 2596, Visual= Color, Visual= Appearance	NLGI=0,1,2,3 Used for Lubrication of Automotive & industrial Bearings, Bushing & slides.	Lithium Soap Contaning Lithium Hydro Oxide &12 Hydroxyls Steric Acid Or Hydrogenated Castor Oil & Base Oil	Guard Friction (Pvt) Ltd., 8th KM Raiwand Road Lahore.	No Change
147	Delete	34039110	Preparation	Fat Liquor	Mainly liquid at room temperature	Reduce friction and enhance smoothness/ slippage property.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 3) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Name of BASF may be deleted as not manufacturing locally.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
148		34039910	Mould-Release Agents for shoe-soles de-moulding		spray application	wax & oil-based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
149		34049090	Waxes	Textile Grade	--	--	Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	No Change
	Add		PE Wax	Low Molecular weight, used as Input of PVC Stabilizer	Melting Point: 120 - 140 °C, Flash Point: >135 °C, Density: 0.9 ± 0.04 Kg/m3, Ash Content: <0.3, Moisture Content: <0.2, Appearance: White Flake (Super Dry)	--	Deutsche Chemicals SMC (Pvt.) Ltd., 4Km Raiwind Manga Road, Near Superior Textile Mills, Raiwind, Lahore.	New entry of Deutsche Chemicals added.
150		34059000	i. Car Wax Protectant	Car Care Products	Wax & Polish for Cars & Motorbikes	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore	No Change
			ii. Shoe Finishing Agents	--	sponge application	wax-based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
151		35051090	Dextrene and other modified starch (Preparations)	For Textile Industry	--	--	Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
152	Add	35061000	Adhesive Glue	PVAc Base Glue Water & Solvent Based	White, Transparent or any colour	PVAc & Chemical blend	1) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 2) Indus Pencil Industries, B-54,	Name of Samad Rubber added
153	Amend	35069110	~~Hot Melt Adhesive~~ Shoe Adhesive	~~SU-600~~ ~~SU-900~~ i. Solvent based adhesive, ii. Water based, iii. Spray Adhesive	~~White Pellets & Light Yellow Pellets~~ Paste and Liquid types in yellow, white, transparent or any color	~~Viscosity Thermosel, Temperature 170 C, 160 C Average (cps) 3500~~ Chlorine, Polyurethane and Chemical blend	1) Pak Daehan, H. No. 29, Bhagat Pura Hussain Bakhsh Park New Shad Bagh, Lahore 2) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K **4) Samad Rubber Works (Pvt.) Ltd., 409 Ferozepur Road, Lahore.**	Name of Samad Rubber added and specifications changed accordingly
154	Add	35069190	Hot Melt Adhesive (Exluding Adhesive A or B, CM high-intensity Glue A Glue B (Insulating Mat.), Terminal Adhesive, Screw Locking Agent and other Auto grade)	SU-600 SU-900	White Pellets & Light Yellow Pellets	Viscosity Thermosel, Temperature 170 C, 160 C Average (cps) 3500	1) Pak Daehan, H. No. 29, Bhagat Pura Hussain Bakhsh Park New Shad Bagh, Lahore 2) Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore **3) Performance Materials (Pvt.) Ltd., Plot No. B-228/A, Site Area, Phase 1, Nooriabad, Sindh** **4) Samad Rubber Works (Pvt.) Ltd.,**	Name of Performance Materials and Samad Rubber added.
155		35069990	Pressure Sensitive Adhesive Glue excluding Penguin Cement # 321	Water & Solvent Based	Transparent or any colour	Adhesive	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
156		35079000	Enzymes	Textile grade	-	-	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	No Change
157		36020000	Prepared Explosive: (Super Balster, Balster, Super Breaker, Seismic, eplosive, Pre-Splitter	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad	No Change
158		36031000	Safety Fuse	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad	No Change
159		36032000	Detonators: (Plain, Electric, Seismic Electric, Milli Second Delay Electric, Half Second Delay Electric / Non Electric, Milli Second Delay Non Electric Detonator)	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad	No Change
160		36033000	Two Way Delays Relays	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad	No Change
161		36034000	Detonating Cord	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad	No Change
162		37013020	CTP/CTCP Printing plates	Aluminum Plates Lithographic	H18, H19, A1050, A1052	Si 0.037,Mn0.007, Cu 0.003 Fe0.30, Mg0.001, Zn 0.007, Al 99.56.	DuTech (Pvt) Limited, Plot No.18, Sector No. 28, Korangi Industrial Area, Karachi	No Change
163		37013030	Presensitized printing plates	Aluminum Plates Lithographic Thickness ranging from 0.15mm to 0.30mm. Packing in Corrugated cartons	Thickness 0.15mm: 450mm x 370mm (100 Plates); 500mm x 370mm (100 Plates); 510mm x 400mm (100 Plates); 900mm x 715mm (50 Plates) Thickness 0.20mm: 645mm x 510mm; 745mm x 585mm; 760mm x 603mm; 840mm x 603mm; 840mm x 625mm (all in 50 Plates). Thickness 0.24mm: 650mm x 550mm (50 Plates); 724mm x 615mm (50 Plates); 745mm x 585mm (50 Plates); 745mm x 605mm (50 Plates); 914mm x 625mm (30 Plates); 915mm x 715mm (30 Plates) Thickness 0.30mm: 840mm x 586mm (30 Plates); 890mm x 586mm (30 Plates); 914mm x 585mm (30 Plates); 914mm x 625mm (30 Plates); 915mm x 715mm (30 Plates); 925mm x 625mm (30 Plates); 925mm x 715mm (30 Plates); 975mm x 755mm (30 Plates); 1030mm x	Si 0.037,Mn0.007, Cu 0.003 Fe0.30,Mg0.001,Zn 0.007, Al 99.56.	DuTech (Pvt) Limited, Plot No.18, Sector No. 28, Korangi Industrial Area, Karachi	No Change
164		38062000	Sodium Resinates	pH 9 -12	Dark Brown Paste	Sodium Resinate	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
165		38069000	Thermoplastic Road Marking Paint Material	Solvent Base	Theromoplastic Resin Base	Hotmelt Road Marking Paint	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
166		38089110	i) Insecticides	Insect killer for flying & crawling types of insects in aerosol spray - 300 - 600ml	Filled in tin cans of various dia (52-65mm) and various heights (170-320mm)	Active insecticide ingredients/Solvent and gas based	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
			ii) Aerosol Contact Insecticide/ Household Insecticide	Insecticide Aerosols are meant to kill flying and crawling insects when sprayed or dispersed in air.	Colorless liquid at room temperature Relative Density @ 15 °C 0.60 – 0.80	Mixtures of petroleum distillate solvents, corrosion inhibitors, insecticide actives & propellants. Contains actives that kill insects.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
167		38089400	i) Hand Sanitizers & Disinfectant Spray ii) Multi-Surface Cleaner & Disinfectant	Hand & skin care germicide disinfectant in aerosol spray - 50ml - 300ml Cleaning agent for all hard washable surfaces with protection of Home & office from invasive viruses & germs.	Filled in aluminium/tin cans of various dia (35-53mm) and various heights (88-240mm), Clear to variant colors liquid at room temperature. Density @ 25 °C 0.95 - 1.10 g/cm3	Ethanol/Germicides/Vitamins and gas based Alcohal Based Aqueous blend of surface-active materials & anti-bacterial agents suitable for cleaning & disinfecting hard surfaces.	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 3) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
168		38099110	Printing gum	Main use is in printing applications where gums are used to increase the medium viscosity enabling localized coloration.	May be solid or liquid at room temperature	Food grade Non-toxic Non-corrosive Chemical resistant	1) ASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 4) Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000 5) Universal Chemicals, B-45, Estate Avenue, S.I.T.E, Karachi 6) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd. Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
169	Delete	38099190	Dyeing Auxiliaries and Finishing Agents	Dyeing and Finishing agents are used to impart desired effect on textiles. Use of agents facilitate the dyeing and finishing of the fabrics.	May be solid or liquid at room temperature	Improve the performance of the dyeing process and imparts desirable aesthetic to the treated fabric.	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 4900 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 5) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	Name of BASF may be deleted as not manufacturing locally.
170		38099200	Paper Chemicals (Surface Sizing Agent)/Finishing Agents	15 - 20% NVM, Sizing agent for various types of papers i.e. packaging paper, white board coated paper and food packaging etc. Finishing agents (dye-carriers) for textile and paper industry	White Thin Emulsion Light / Dark Brown liquid	AKD Emulsion/ Cationic Styrene Acrylic emulsion	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
171	Delete	38099300	Finishing agents	Finishing agents are used to impart desired effect on textiles. Use of agents facilitate finishing of the fabrics.	May be solid or liquid at room temperature	Imparts desirable aesthetic to the treated fabric.	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Archroma Pakistan Ltd. 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi 4) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770	Name of BASF may be deleted as not manufacturing locally.
New	New	38119000	Demulsifier for crude oil	Blend of organic surfactants and solvents	Liquif form, SG: 1.1, pH: 6.0	Surfactant	Redox (SMC PVT) Ltd., 26 No. Chongi, Peshawar Road, Islamabad.	New entry of Redox added.
New	New		Water soluble Corrosion Inhibitor for Oilfield	Blend of Amines, Imadazolines	Liquid form, SG: 0.98-1.0, pH: 6-8	Amines	Redox (SMC PVT) Ltd., 26 No. Chongi, Peshawar Road, Islamabad.	New entry of Redox added.
172		38123900	i) PVC Liquid Stabilizer - Barium Cadmium zinc - Barium Zinc - Potassium Zinc Kicker	Sp. Gravity : 9.5, Acid Value;, <1	Yellowish Liquid	Metal Salts of Barium, Cadium, potassium, and zinc	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
	Add		ii) PVC Stabilizer	Bead Type dry chemical, composed of metal soap and lubricants	Appearance: White Bead, Bulk Density: 0.7-0.9 Moisture: Max. 1%, Ash (%): 49.0 ± 2.0% Impurity: Trace	-	1) Dansuk Industrial Co. Pakistan (Pvt.) Ltd., 272-D, Sundar Industrial Estate, Raiwind Road, Lahore. 2) Deutsche Chemicals SMC (Pvt.) Ltd., 4Km Raiwind Manga Road, Near Superior Textile Mills, Raiwind, Lahore.	Name of Dansuk Ind. Co. and Deutsche Chemicals added.
173		38140000	Organic Composite Solvents and Thinners excluding Recrack 5975	Organic Hydrocarbon Compound.	Dilution & smooth application.	Rehology control & adjustment of the Paint according to various enviornment.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 3) Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
174		38159000	Catalyst	Sp. Gravity : 1.10, Acid Value;, <1 OH value: 216, Viscosity: 100 Cps	Slightly Yellowish Liquid	Mixture of Amine and short chain glycol	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
175		38160000	Refractory cements, mortars, concretes and similar compositions, other than products of heading 38.01.	Tap Hole Repair Mass & Mastic Tubes	<u>Tap Hole Repair Mass:</u> Specific Gravity:3.0 min Cold Crushing Strength (kg/cm2):250 min Grain Size:0 - 3 mm Bulk density (Kg/dm3): 2.70 min <u>Mastic Tubes:</u> LOI(%):45 max Maximum Grain Size:(-) 60 BS Mesh	<u>Tap Hole Repair Mass:</u> MgO(%) :91 min, Al_2O_3(%):0.8 max, Fe_2O_3(%):1.8 max, CaO(%) :2.5 max, SiO_2(%):4.5 max <u>Mastic Tubes:</u> C(%): 25 min, Al_2O_3(%):30 min, SiC (%): 03 min, SiO_2(%): 15 max $K_2O + Na_2O$(%):0.2 max	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi	No Change
176		38231100	Acid, stearic	IV 1.0 ~ 3.0, Melting point 61 ~ 65, Specific Gravity 0.86	Small Flakes, colour: White	$C_{17}H_{35}COOH$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi 3) Sitara Chemical Industries (Pvt.) Ltd., 32 Km, Sheikhupura Road, Faisalabad.	No Change
177		38231910	Acid oils for refining	Palm fatty acid distillate (PFAD)	Colour 5 ~ 6, -1, Melting point48 ~ 52	Acid Value 190 Min.	Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
178		38231930	Acid oils for refining	Fatty Acid Distilled (FAD) 92% to 99%, IV 30 ~ 55	Colour 5 ~ 6, -1, Melting point 45 ~ 58	Acid Value 190 Min.	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi	No Change
179		38231990	Distilled Fatty Acid	Acid Value: 200-215, Iodine Value: 38-44, Melting Point: 50±2, Saponification Value = 200-216.	White solid material	Distilled fatty acid blend	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	No Change
180		38244000	Concrete Curing Compound	Concrete curing compound are suitable for spray application to freshly poured concrete. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development.	Milky liquid at room temperature. Density @ 25 °C 0.95 - 1.05 g/cm3	Synergistic mixture of aqueous wax emulsion & surface-active materials. It is recommended on freshly poured concrete surfaces for high curing efficiency.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.	No Change
181		38246000	Sorbitol Solution	$C_6H_{14}O_6$	A Clear Viscouse Syrup having sweet taste	H - 5.0 - 7.0, Brix - 66 - 68, Ash - 0.1%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi	No Change
182		38249950	Correction Pen	With liquid ink	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi	No Change
183		38249993	Coated or Precipated Coated or Treated Calcium Carbonate	Top Cut 3 µm-50 µm	Fine Powder	$CACO_3$	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Omya Pack (Pvt) Ltd., Kot Radha Kishan Road, Kasur	No Change
184	Amend	~~39249980~~ 38249980	Chlorinated Paraffin Wax	Chlorinated paraffin is an odorless, non-toxic, flame retardant and low-volatility viscous liquid with low volatility, good electrical insulation, insoluble in water, ethanol, ethylene glycol and glycerin, soluble in aliphatic hydrocarbons, aromatic hydrocarbons and chlorine.	Chlorinated Paraffin Wax is toxic and varies from pale yellow viscous liquid to soft or brittle resinous solid depending upon the chorine contents (28 to 60-70%)	$C_{24}H_{30}Cl_{20}C_{15}H_{14}Cl_{18}$	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.	PCT Code was wrong and corrected.
185		38249999	i. Hardeners for for adhesives for shoe-sole attachment ii. Hardeners for for adhesives for soccer-balls-panels attachment iii. Hardeners for inks for shoe-instocks screen-printing		--	--	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
186		38249999	i) Antifoaming Agent/Defoamer	A mineral oil based defoamer for aqueous systems. It is typically applied in aqueous coating systems, wood stains, varnishes, printing inks, textile & adhesive	Opaque white to pale yellow liquid at room temperature. Density @ 25 °C 0.85 – 0.95 g/cm3	Synergistic mixture of mineral oil and surface-active materials to accelerate the defoaming efficiency.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
187		38249999	ii) Filler Masterbatch	Mineral filler e.g. $CaCO_3$ based plastic granulated material	Solid plastic color component melting range 150-280	Combination of plastic resins, additives and mineral fillers	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804	No Change
~~188~~	~~Delete~~	~~39012000~~	~~HDPE Fittings Butt Fusion type~~	~~63mm to 315mm Dia Piping~~	~~- Strong - Light weight - Easy jointing - Durable~~	~~Food grade Non-toxic Non-corrosive Chemical resistant~~	~~New Tech, Tarnol Industrial Area, Off. G.T. Road, Sector D-15, Islamabad~~	To be deleted due to wrong HS code, while moved to S. No. 225

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
189		39031100	Polystyrene expansible, in primary forms	(i) Plastic foaming grade (ii) Plastic moulding grade (iii) Plastic extrusion grade	Resins and Granules	Polymer	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030	No Change
190		39031910	General purpose polystyrene (GPPS)	(i) Plastic moulding grade (ii) Plastic extrusion grade	Resins and Granules	Polymer	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030	No Change
191		39031920	High Impact Polystyrene (HIPS)	(i) Plastic moulding grade (ii) Plastic extrusion grade	Resins and Granules	- Polymer with more than 95% styrene - Co polymer with less than 95% styrene	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030	No Change
192		39032000	Styrenated Acrylic	Stryenated Acrylic Emulsion , used for a wide range of products like paint, coatings etc	Liqued at room temperature	Acrylate polymers upon drying form films that yield desired properties on the substrate	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.	No Change
193		39039010	Styrene Acrylic Emulsion	49 - 51 % NVM in Water	Milky white thick liquid	Styrene Acrylic binder for emulsion paints, Opacifying agent, Mortor Modifier & Textile printing binder.	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change
194		39041090	Poly Vinyl Chloride (PVC) Resin excluding PMC CY6712-40G Natural (Phenol) / CY3312-30G used in auto sector	Suspension	Appearance Color White Volatile Matter 0.4% wt max Particle size 40 mesh pass 100% wt min Particle Size 270 mesh pass 3% wt max	Polyvinyle Chloride , C_2H_3Cl, is an inert material, it does not react with most chemicals and solvents. Resistant to Acids, bases, slats and most solvents. Partially soluble in acetone.	Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi	No Change
195	Add	39042200	PVC not mixed with other substances, plasticised PVC Compound (Plasticized)	(PVC Compound) International /National Standard (Cable Grade only)/ BSS 7655	Granules	$C_2H_3C_1$	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Atlas Rubber & Plastic Industries, 9th Floor, Textile Plaza, Mumtaz Hassan Road Karachi – 74000 3) Bismillah Plastic Works, Sohail Manzil, Street No. 30 Sector "F" Allama Iqbal Road, Manzoor Colony Karachi 4) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 5) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 **6) Qingdao Hound Pakistan (Pvt.) Ltd., 19.5 KM, Raiwind Road, Lahore.**	Name of Qingdao Hound added
196		39051200	Vinyl Acetate Copolymers	Vinyl acetate-acrylic copolymers, emulsion products that are used for a wide range of applications including paints, bond coats, binders, pigmented paper coatings, textiles, and nonwovens	Liquid at room temperature	Crosslink to form film that imparts desirable properties to the treated surface.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 4) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
197		39052100	Polyvinyl acetate	Polyvinyl acetate polymers, emulsion products that are used for a wide range of applications including paints, bond coats, binders, pigmented paper coatings, textiles, and nonwovens	Liquid at room temperature	Crosslink to form film that imparts desirable properties to the treated surface.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 3) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 4) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
198		39053000	Polyvinyl Alcohol	For paint and wood furniture industry			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
199		39059990	Glue/Adhesives/Binders	For paint, wood furniture and paper industry (Pigment thickener)	Paste form	Used by different industries	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
200	Delete	39069030	Pigment thickener	Pigment thickener	--	--	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 4) Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000 5) T & N Chemical, 12.5 KM Sitara Road, Faisalabad 6) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd. Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Name of BASF may be deleted as not manufacturing locally.
201		39069040	Dispersing Agent	20-45 % NVM	Light yellow to yellow clear liquid	Polyacrylate and Styrene/Maleic anhydride based	1) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
202	Delete	39069090	i) Acrylic polymers	Belong to a group of polymers based on acrylic acid, methacrylic and their esters. They are noted for their transparency, resistance to breakage, and elasticity. They are also commonly known as acrylics or polyacrylates.	Mainly liquid at room temperature. However, can be produced in solid form	form films upon drying that yield desired properties on the substrate	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahoree ~~3) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S Karachi – 75400~~ ~~4) Sandal Dyestuff Industries Ltd., 4-KM Chak Jhumra Sangla Hill Road, Faisalabad~~ 5) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 6) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 7) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Name of BASF and Sandal may be deleted as not manufacturing locally.
			ii) Acrylic Resins (2 Component Resins)	50 - 70% NVM in aromatic solvents	Clear Colourless thick Liquid	Thermoset, Thermoplastic & Acrlic Polyol for 2-k Coatings	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change
			iii) Acrylic Emulsions	49 - 51 % NVM in Water	Milky white thick liquid	Acrylic binder for emulsion paints	2) MB Dyes Chemicals & Silk Industry	No Change
203		39073000	Following Expoxy Resins excluding ER A or B, ER 1007/YD 017/DER 667-20 /FAD 3010/FAD 9700/NP AHM 300, ER.1004 /YD 014/ EPIKOT 1004/ DER 664-20 /FAD 3010/FAD 9700 EPOXY RD-2269C / Powenic Additive FAD 4150 /FAD 3010/FAD 9700 /FAD 3010 /FAD 9700, used in auto sector i) Epoxide in primary forms	Electrostatic Coating Powder	--	--	1) Oxyplast Pakistan (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi. 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) Jotun Powder Coatings Pakistan (Pvt) Ltd., 2 KM Defence Road, Off 9 KM Raiwind Road,Adj. Valancia Homes Gate, Lahore 4) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore.	No Change
			ii) Fusion Bonded Epoxy (FBE)	Jotapipe & Corro-Coat (Anti-Corrosion Coating for Piping)	1350-1500G/L >0.5% Moisture Contents Hardness Avg. 85 (ASTM. STD)	Polarized Cracking Pass Impact resistance >1.5J		No Change
			iii) Epoxy Resin ER-12P, ER-20P	Solid Epoxy Resin	Granular Solid	Epoxide	Premier Coating Resin (Pvt) Ltd.; C-42, SITE Super Highway Industrial	No Change
			iv) Epoxy Resin ER-128, ER-20x75	Liquid Epoxy Resin	Liquid	Epoxide	Premier Coating Resin (Pvt) Ltd.; C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi	No Change
204		39075000	Resins, alkyd, in primary forms	Viscocity 3-1000 poises Acid Value less than 12	Colour Max 10GH	Esters	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura 3) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
205		39076110	Polyethylene terephthalate in primary (Having a viscosity number of 78 ml/g or higher)	Polyester Chips - Yarn and Film grade	Yarn and Film Grade	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530	No Change
206		39076120	Polyethylene terephthalate in primary (Having a viscosity number of 78 ml/g or higher)	Polyester Chips - Bottle grade (Pet Resin)	Bottle grade (Pet Resin)	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530	No Change
207		39076910	Other Yarn and Film Grade (Having a viscosity number of 78 ml/g or higher)	Polyester Chips Yarn and Film Grade	Yarn And Film Grade	Polyester Resin made from PTA & MEG with I.V. 0.6 to 0.68 in Amorphous form capable of being upgraded to PET Bottle Grade.	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change
208		39076920	Other Bottle Grade (having a viscosity number of 78 ml/g or lower)	Polyester Chips - Bottle grade (Pet Resin)	Bottle grade (Pet Resin)	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530	No Change
209		39076990	Other (having a viscosity number of 78 ml/g or lower)	Polyester Chips Amorphous	Plastic Resin in Granules	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore	No Change
210	Delete	39079100	Polyesters, unsaturated, in primary forms	60 - 70 % NVM in Monomers	Clear & Hazy Yellow Thick Liquid	Thermoset Unsaturated Polyester Resins	1) ~~BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 2) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	Name of BASF may be deleted as not manufacturing locally.
211		39079900	Following items excluding PMC CRASTIN CE2255 BK580 Polyester Resin, Thermoplastic Polyester Elastomer/ RESIN TORAYCON used in auto sector i) Powder Coating Pure Polyester	Corro-Coat PE (Exterior Polyester Powder Coating	Film Hardness >70 (EN ISO 2815) 100% Adhesion	Exceed 5mm without Film Cracking Salt Spray Resistance Excellent	1) Jotun Powder Coatings Pakistan (Pvt) Ltd., 2 KM Defence Road, Off 9 KM Raiwind Road,Adj. Valancia Homes Gate, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore. 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change
			ii) Epoxy Polyester Hybrid	Corro-Coat MX (Interior Hybrid Powder Coating	Film Hardness >80 (EN ISO 2815) 100% Adhesion	Exceed 60 Inch Pounds without film cracking Salt Spray Resistance Excellent		No Change
			iii) PE – F Polyester Facade	Corro-Coat PE-F (Exterior Durable Polyester Powder Coating	Film Hardness >80 (EN ISO 2815) 100% Adhesion	2.5 Nm without film cracking		No Change
			iv) Polyol (Polyurethane Pre-Polymer for PU Sole)	Sp. Gravity : 1.18, Acid Value;, <1 OH value: 80, Viscosity: 1000 Cps	Slightly Yellowish Liquid	Adipate of Dicarboxic acid	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			v) Polyester Resin (50:50, 70:30, 93:07, 60:40, 80:20, 90:10)	Saturated Polyester Resin	Granular Solid	Carboxlated Terminated	Premier Coating Resin (Pvt) Ltd. C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi	No Change
212		39089000	i) Polyamide Resin (H-140, H-115, H-125) ii) Wet Strength Resin (WSR)	Liquid Hardener for Epoxy	Liquid	Amine	1) Premier Coating Resin (Pvt) Ltd. C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
213		39091090	Urea Formaldehyde Resin	58-62 % NVM	Water white thick liquid	Butylated Urea formaldehyde resin in solution form	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore	No Change
214		39092000	Resins , melamine, in primary forms	Viscosity 75 Poises Acid Value less than 2	Colour Water White	Amino	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Berger Paints Pakistan Limited, 28-Km Multan Road, Lahore.	No Change
215		39094000	Phenolic Formaldehyde Resin	69-71 % NVM	Reddish thick liquid	Phenol formaldehyde resin in solution form	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
216		39095000	i) Isocynate (Polyurethane Pre-Polymer for PU Sole)	Sp. Gravity : 1.15, Acid Value;, <1 NCO value: 23, Viscosity: 400 Cps	Slightly Yellowish Liquid	Oligimers of polyol, pure MDI and Modified MDI	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
			ii) PUR (Polyurethane Resin) for shoe sole polyster polyol TPU (Thermoplastic Polyurethane) Polyster Ploylol for flexible laminating adhasive / coating	Polyester Polylol for shoe sole acid value less then 1 TPU foe shoe adhasive OH 38-42 Polyester Ploylol for flexible laminating adhasive / coating having OH 184-234	Its 2K system the counter part is premoler based on TDI/MDI	Used foe shoe sole for shoe adhasive for packages industries	MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change
217		39100000	Antifoam Silicon Base	10 - 20 % NVM in Water	Milky white thick liquid	Defoamer Silicon base	1) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K. 4) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.	No Change
218		39119000	Fixing Agent	For Textile			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
219	Delete	39122090	Nitrocellulose in primary forms	Used in leather industry to impart special finish	Mainly liquid at room temperature.	Based on Nitrocellulose	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 ~~2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400~~ 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K	Name of BASF may be deleted as not manufacturing locally.
220		39123100	Sizing Agent	For Textiles			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900	No Change
221		39172100	i) Tubes, Pipes & Hoses, Rigid of Polymers of Ethylene	ISO4437 ISO 4427 DIN 8074 ASTM 2513	Dial 20mm to 630mm and ¾" to 12" Length of coils as per customer requirement or straight lengths upto 40 feet	Ethylene	1) Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi 2) Sun International Co. (Pvt) Ltd., 62 CMA Colony Street #4, Lahore Cantt. Lahore 3) Premier Cables (Pvt) Ltd. , 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi	No Change
			ii) PE Gas/Water Pipe Fittings	SNGPL Spec, ASTM-2513, ASTM-D-2683 SSGC Spec. ISO-4437 ISO-8085 EN-1555	Dia: 3/4 inch to 6 inch Length: 12 inch to 36 inch PE Spec: PE-80/100 Steel Spec: ASTM & API 5L Dia: 20mm to 180mm Length: 12 inch to 36 inch PE Spec: PE-80/100 Steel Spec: ASTM & API 5L	Melt Flow 0.8 gm/10mn, Density >0.940 to 0.947 to gm/cm^3 Melt Flow 1.55 gm/10mn, Density >0.940 to 0.955 to gm/cm^3	1) Mechfit Industries, 124-IV, E-Block Model Town, Lahore 2) Swabis Polyplast, ~~A-496, St No. 9, Block "N", North Nazimabad Karachi~~ **Salamatpura Orange Line Station No. 3, Happy Wali Gali, G.T. Road, Lahore.** 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx,	Address of Swabis Changed.
			iii) Blow Moulded Cans/ Jars	HDPE Material	0.25, 0.5 and 1 litre sizes	Density 942		No Change
			iv) High Density/Medium Density Polyethylene (HDPE/MDPE) pipes	12 mm to 1600 mm diameter 1.8 mm to 103.7 mm	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
			v) HDPE water pipes	HDPE water pipes Dia: (6mm to 500 mm)	As per ISO4427, DIN8074/8075 specifications	As per ISO4427, DIN8074/8075 specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore	No Change
			vi) MDPE gas pipes	MDPE gas pipes Dia: (20 to 250 mm)	As per ISO4437, ASTM-D2513 specifications	As per ISO4437, ASTM-D2513 specifications		No Change
			vii) HDPE Cable Duct Pipes	HDPE cable duct pipes Dia: (16 mm to 250 mm)	As per ASTM F-2160 specifications	As per ASTM F-2160 specifications		No Change
222		39172200	i) Hoses, polypropylene, rigid	Din 8077	Diameter 20mm to 110mm	--	1) Sun International Co. (Pvt) Ltd., 62 CMA Colony Street #4, Lahore Cantt. Lahore 2) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi	No Change
			ii) Poly propylene random co-polymer (PPRC) Pipes for Hot and Cold/Chilled water	20 mm to 630 mm diameter 2.8mm to 35.7 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
			iii) PPF Water Filter Cartridge 10' S, 20' S, 30' S, 40' S, 20' Jumbo	PP	Melt Folw 23% Density 0.9	PP TANSEE	International Caps Company, F-202, Phase II, SITE II, Super High Way, Karachi	No Change
			iv) PPRC Pipes & Fittings	PPRC pipe & fittings Dia: (20 to 110 mm)	As per DIN 8077/8078 specifications	As per DIN 8077/8078 specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
New	New	39172390	i) PVC/ Polymers of Vinyl Chloride Pipe	UPVC Pipes in Medium Grades: M, G1, G2, and G3 diameter: ranging from 2 inch to 8 inch thicknesses: from 1.6mm to 5mm.	Rigid pipes for Plumbing, Sewerage, Rain Drainage, Indoor & Outdoor Water Transportation & Filtration Systems and Piping Network for Irrigations Systems.	Made of virgin Un-plasticized Polyvinyl Chloride	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	Name of IIL added.
223		39172390	ii) Glass resinforced Polyester (GRP) Pipe	Pipe Size Range 300 mm to DN 2000 mm	--	--	Hi-Tech Pipe & Engineering Industries (Pvt) Ltd., Plot # X-22, Extension Area, S.ITE, Kotri, Sindh	No Change
224		39172900	i) Glass Reinforced Epoxy (GRE) Pipes	20 ft. upto: 18" dia (Pipe Size Range 300 mm to DN 2000 mm) For Tube Well Pipes etc.	Food Grade & other grades	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Hi-Tech Pipe & Engineering Industries (Pvt) Ltd., Plot # X-22, Extension Area, S.ITE, Kotri, Sindh	No Change
			ii) Fiber Reinforced Polyester (Fiberglass) Ladder	Straight Ladder up to 16 ft Extendable Ladder ranging from 10ft to 70 ft A-Frame Ladder with light, medium & heavy duty	As per standard	As per standard	1) Creative Engineering (Pvt) Ltd. , 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
225		39174000	i) Fittings, plastic/ PPRC	Joints, elbows, flanges etc. ASTM 2513	As per API 5LB for steel As per ASTM 2513 for Polyethylene	As per API 5LB for steel As per ASTM 2513 for Polyethylene	1) Swabis Polyplast, ~~A-496, St No. 9, Block "N", North Nazimabad Karachi~~ **Salamatpura Orange Line Station No. 3, Happy Wali Gali, G.T. Road, Lahore.** 2) International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	Address of Swabis Changed.
			ii) Natural Gas Pipe Fittings	SNGPL Spec, ASTM-2513, ASTM-D-2683 & ASTM-D-3261	MDPE Material, Operating Pressure 60 psig, Sizes: 3/4", 1-1/4", 2", 4"	Resistant to Natural Gas, Melt Flow 0.8 gm/10 min, Density 0.940	Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore.	No Change
	Add		iii) Fittings, PVC/ Polymers of Vinyl Chloride	UPVC Pipes Fittings from 2in to 6in	Fittings of Rigid pipes for Plumbing, Sewerage, Rain Drainage, Indoor & Outdoor Water Transportation & Filtration Systems and Piping Network for Irrigations Systems.	Made of virgin Un-plasticized Polyvinyl Chloride	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	IIL requested for addition of this entry.
	Amend		iv) HDPE Fittings Butt Fusion type	63mm to 315mm Dia Piping	- Strong - Light weight - Easy jointing - Durable	Food grade Non-toxic Non-corrosive Chemical resistant	New Tech, Tarnol Industrial Area, Off. G.T. Road, Sector D-15, Islamabad	Entry at S. No. 188 moved here due to erraneous HS code.
226		39181000	Polyvinyl Chloride floor covering	PVC Flooring	--	--	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore	No Change
227		39191010	Double Sided Tape	Foam type: Thickness 200 to 1200 microns PET Type: Thickness 15 to 500 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
228		39191020	PVC Electric Insulation Tape - Width not exceeding 20 cm - (Retail Packing)	Thickness from 15 microns to 200 microns	Black, red, yellow, blue & white colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change
229		39191030	Stationery Tape	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change
230		39191090	i) Detectable Underground Tape	LDPE Sheet with Aluminium foil	Thickness 4-7 mils, Elongation 80%, Tensile 20 lb/ inch	Al thinkness 0.3 mils	1) Mechfit Industries, 124-IV, E-Block Model Town, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change
			ii) Sef Adhesive Tape	Thickness from 15 microns to 80 microns	Transparent/ with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 3) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi	No Change
231	To be clubbed	39191090	iii) Self Adhesive BOPP Tape in rolls of width not exceeding 20 cm	34 micron to 60 micron	12 colors	water, acrylic, glue, and BOPP film	1) A. J. Containers (Pvt.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 2) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi. 3) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 4) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi	Repeatition of PCT Heads; therefore to be clubbed with the above entry.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
232	Add	39199010	Self Adhesive (Transparent/ BOPP/OPP) Tape	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi ~~4) Performance Materials (Pvt.) Ltd., Plot No. B-228/A, Site Area, Phase 1, Nooriabad, Sindh~~	Name of Performance Materials added. As per Visit report of ROK, it may not be included.
233		39199020	PVC Insulation Tape	180 micron, in Log rolls	multiple colors	Natural rubber, based adhesive and PVC film	1) A. J. Containers (Pvt.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 3) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi. 4) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 5) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 6) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi	No Change
234		39199090	i) Self Adhesive BOPP/OPP Tape - Width exceeding 20cm- Log Rolls excluding Self Adhesive PVC Sheet, Roll Size: 1.0x250.0 used in auto sector	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Universal Coating Films Company (Pvt.) Ltd., Plot No. G-20 SITE Super Highway, Phas 2, Scheme-33, Industrial Area, Karachi 4) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 5) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 6) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi.	No Change
			ii) PVC Electric Insulation Tape - Width exceeding 20cm - (Log Roll)	Thickness from 15 microns to 200 microns	Black, red, yellow, blue & white colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		iii) Self-adhesive Sticker Film	120 GSM release paper, 30 Micron PET film and 16 GSM glue	Paper & PET film based	--	Performance Materials (Pvt.) Ltd., Plot No. B-228/A, Site Area, Phase 1, Nooriabad, Sindh	Name of Performance Materials added.
235		39201000	i. Poly Back Sheet (Cast Film)	in roll form	--	--	Poly Ozone (Pvt.) Ltd., F/7-A, Shade No. 5, Main Gulbai Road, S.I.T.E., Karachi.	No Change
	Add		ii. UHT Milk Film	7 Layered EVHO based High Barrier Film	Solid film in roll form	Polymer	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	Name of Packages added.
236		39202010	Biaxially Oriented Polypropylene (BOPP) film, all category except metallized	--	BOPP Films	Polymer	1) Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi 2) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi.	No Change
237		39202020	Biaxially Oriented Polypropylene (BOPP) film, printed	--	BOPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi	No Change
238	Amend	39202030	i) BOPP Film	Capacitor grade: width of roll 30mm to 120mm Thickness: 04 to 12 microns [Except 5.5 micron, 8 micron (Diamond pattern safety film) and 8 micron (Wave cut film)]	Metallized	Ash contents ≤ 30 PPM	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	Amended as per decision conveyed in LMS.
			ii) Biaxially Oriented Polypropylene (BOPP) film, Pearl & metallized	--	BOPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi	No Change
239		39202040	i) Laminate for Flexible Packaging ii) Biaxially Oriented Polypropylene (BOPP) film, laminated	Plastic based laminates used for Packaging	Solid in roll form or bags	Polymer	1) Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760 2) Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi	No Change
240		39202090	i) Others, Cast Polypropylene (CPP) film, all category	--	CPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi	No Change
			ii) Other (Sheets, films, foil, strip of polypropylene)	Plastic Corrugated Sheets	Hollow Plastic Sheets with GSM 450-1600 range of and thickness range 2-6mm	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53801	No Change
241		39203000	Polystyrene plates, sheets, film	- HIPS 1mm to 4mm (6*4" sheet) - GPPS, Polystyrene Sheet Thickness 0.25 mm to 7.00 mm Width 48" - Flat sheeting made from Polystyrene (PS), High Impact Polystyrene (HIPS), General Purpose Polystyrene (GPPS), Acrylic (PMMA), Acrylonitrile Butadiene Styrene (ABS), a combination of HIPS and GPPS and a cobination of ABS and PMMA. Thickness ranging from 1 mm to 10 mm and width upto 4.5 feet	--	Polystyrene sheet is a high impact grade of polystyrene with improved stress crack resistance, developed for extrusion and thermoforming applications, especially for the refrigerator industry in various thickness and sizes.	1) Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore. 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) Green Earth Recycling Pakistan, 208/A Street # 5, Cavalry Grounds, Cantt. Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
242		39204300	Polyvinyl Chloride plates, sheets,	PVC Flexible Sheet Width = Upto 132 Inches Minimum Thickness = 30Micron, Maximum Thickness = 2000Micron, Length = As per customer requirement	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
243		39204910	i) Polyvinyl Chloride plates, sheets, rigid	Width 24" Thickness 50 to 500 Micron (PVC)	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.	No Change
			ii) PVC Rigid Sheet	Thickness = 0.05 mm to 0.8 mm, Width = 1520 mm, Color = Transparent / Any	As per standard	As per standard	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
			iii) Grounding Set	DD PD 21_2008 Insulation rating 11kV	As per standard	As per standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
244		39204990	Polyvinyl Chloride plates, sheets,	Width 24" Thickness 50 to 500 Micron (PVC)	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.	No Change
245		39205900	Polyacrylic, other, plates, sheets,	Width Acrylic 1.5mm to 12mm 6*4	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.	No Change
246		39206200	BOPET Film (All types i.e. transparent, chemical coated, metalized, etc.)	Having thickness of various micron	--	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Astro Plastics (Pvt) Ltd., 17-Banglore Town, Shahrah-e-Faisal, Karachi	No Change
247		39206310	Polyester rigid film	Micron 150 to 1800	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.	No Change
248		39206390	Modified Solid Surface Sheet	Length 3600mm and width 760mm. Th: 6 to 18mm	Sheets with different color and design		Prisma Tech. (Pvt) Ltd., 135 CCA, 2nd Floor, Block DD, Phase 4, DHA, Lahore	No Change
249		39206900	i) BOPET Film (All types i.e. transparent, chemical coated, metalized, etc.)	Having thickness of various micron	--	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Astro Plastics (Pvt) Ltd., 17-Banglore Town, Shahrah-e-Faisal, Karachi	No Change
			ii) Modified Solid Surface Sheet	Length 3600mm and width 760mm. Th: 6 to 18mm	Sheets with different color and design		Prisma Tech. (Pvt) Limited. 93CCA, Block-DD, Phase-4, DHA Lahore	No Change
250		39211200	Polyvinyl Chloride plates, sheets,	PVC Film	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
251		39211300	Polyurethane plates, sheets, film, except for used in auto sector	Polyurethane Sandwich Panels	Thickness from 60mm to 150mm	--	Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi	No Change
New	New	39211900	EVA Foam, EVA closed cell foam	Compression Molded Closed Cell Polymer Foam	Sheet & Rolls	EVA, PE & Chemical blend	Samad Rubber Works (Pvt.) Ltd., 409 Ferozepur Road, Lahore.	New entry added per industry request.
252		39219090	i) Tooth paste tube Laminate	100-125 mic PE+Co-polymer laminated to foil 20-40 mic + PE + Co-polymer both sides. (Total thickness 290 to 300 mic)	--	--	Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi	No Change
			ii) PVC Flex Vinyl/Banner	GSM = 240 gm to 610 gm, Width = 40 inch to 126 inch, Color = White / Any	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) PVC Geo Membrane	Thickness = 0.25 mm to 3 mm, Width = 84 inch to 132 inch, Color = Black / Any	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
			iv) Other, Pet Sheet	Micron 150 to 1800 Width upto 1.8mm	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.	No Change
			v) Other (Sheets, films, foil, strip of plastics)	Liquid Colorants for PU, PVC, W/B & S/B, Paints, Textile printing	Hollow Plastic Sheets with GSM 450-1600 range of and thickness range 2-6mm	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co. 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53802	No Change
253		39229000	i) Polyvinyl Chloride (PVC) Waterstopper	PVC Waterstopper	Comes in various thicknesses and widths	PVC Plasticiser Stabiliser Calcium	Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore	No Change
			ii) Rubber Waterstopper		Comes in various thicknesses and widths	Rubber, Natural		No Change
			iii) Polyvinyl Chloride (PVC) Mudflaps	Mudflaps used for commercial vehicles Comes with or without logo in printed form with UV coating layer protection	Various thicknesses, widths and length as per the customer demand and vehicle size	PVC Plasticiser Stabiliser Calcium UV Coating		No Change
254		39231000	Boxes, cases, plastic caps and plastic similar articles	Boxes, plastic, for conveyance or packing Range Ø44mm to 32 OZ	--	--	1) Polycon Pakistan Pvt. Ltd., 62-CMA Officers Colony, 4th Street, Lahore Cantt. Lahore 2) Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.	No Change
255		39232100	Sacks and bags, of polymers of ethylene	Made of pure HDPE virgin, UV stabilized	Rolls and Bags	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
256		39232900	Sacks and bags, of other plastics	Made of pure HDPE virgin, UV stabilized	Rolls and Bags	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
257		39233010	Bottle	Weight 17gm to 50.64gm, Neck 28mm I.V 85	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.	No Change
258		39235000	Plastic caps	Plastic caps	--	--	1) International Caps Company, 121/A, Ishaqabad, Sir Shah Mohd Suleman Road, Karachi-75900 2) Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.	No Change
259		39239010	Preforms	Made from PET Resin	All ranges including and above 11.5 grams.	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530	No Change
260		39239090	i) Articles for conveyance or packaging of plastics (others)	Plastic Corrugated Sheets	Plastic reusable boxes and plastic crates of different dimensions	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53803	No Change
			ii) Plastic Disposable Cups & Glasses	PP Resin	One time use	Food Grade	Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore.	No Change
261		39249000	Cans, plastic (Household)	10 ml to 40 litres.	--	Hydensity polyethylene,ABS, PP	Plasticans (Pvt) Ltd. 120/3 Industrial Estate, Kot Lakhpat Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
262		39251000	Oil Storage Tanks	--	As per Customer Specification	As per Customer Specification	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore	No Change
263		39259000	Towel Rail	Operating Voltage: 230V Range of Product : 150, 200, 250, 300, 400, 600 and 800W. Material : Incoloy /SS Elements dia : 12mm Control the towel rail elements IPX5 rated Active LED display	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
264		39259090	PVC Wall Panels	PVC Wall Panels	Width various – 10", 14", 16" 24" Thickness – 8mm	PVC Stabiliser Calcium ACR CPE Titanium	Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore	No Change
265		39269060	Plastic Shoe-Lasts		High Accuracy & Durability	Plastic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore	No Change
266		39269099	i) Textile Spinning Ring Bobbin	Polycarbonate with glass fibre Polycarbonate –ABS Any Size with and without bush and ring	highly flexural strength -impact strength	polycarbonate glass fibre	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.	No Change
			ii) Ring Bobbin crate	Size (mm): 520x300x320 -CoPolypropylene		CoPolypropylene		No Change
			iii) Dyeing Cone & Cheese Cone	Any Size		Polypropylene		No Change
			iv) Mulching Film Nets	15-30 micron 2-4 ft width	Rolls & Kgs	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
267		40029900	Synthetic Rubber - Other -- Other	TPR Thermoplastic Rubber Compounds	Melting range of 100-180oC,, 0 Shore A – 80 Shore A, Density 0.5-1.8 g/cm3	Combination of plastic resins, additives and mineral fillers	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804	No Change
268		40030000	Rubber, reclaimed	PS: 1915 - 1987 ISO: 4633/ 1 - 1983	Natural or Synthatic rubber	--	1)Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi 2) Anwar Rashid Industries (Pvt) Ltd. ,1.5 km Chicho Ki Mallian, Joyan Wala Morr ,Post Office mannoo Pur Tehsil & Distt , Sheikhupura.	No Change
269		40070010	Vulcanized Ruber	Use in Elastic	High Elongation	Homogenized Bland of Latex & different Chemical	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan	No Change
270		40070090	Thread &Cord	Use in Elastic	High Elongation	Homogenized Bland of Latex & different Chemical	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan	No Change
271		40091190	Pipes and tubing	All types, un-hardened vulcanized rubber excluding bearing API certification., Rubber hoses	--	--	1) Longman Mills, Lahore, 14-N Industrial Area Gulberg-II Lahore-45660 2) Samad Rubber Works Ltd., 409-Ferozepur Road P.O. FC, College Lahore-54600 3) Darson Rubber Works Ltd., Darson Road, G.T. Road, P.O. Box 5, Wazirabad – 52000	No Change
272		40091200	i) Hoses, vulcanised rubber,	ASTM & SAE, with Fittings, excl hard rubber, with their fittings	--	--	Darson Industries Private Limited, Darson Road, P O Box 5, Wazirabad-52000	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Hoses, vulcanised rubber, not reinforced or Combined	Size ½", 3/8", length 3', 3.5', 4', 6' available for Nat Gas LPG, confirming to BS 669-1:1989 [Excluding High Pressure Hoses of over 30 PSI & having API Certification]	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
273		40101100	Belt Conveyors	5 Ton To 300 Ton / hour	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change
274		40101900	Conveyors Belts and Transmission Belts (of Vulcanized Rubber)	Belts from 25mm in width to 2300mm width with any length and thickness and number of plies. (as per customers requirements)	--	Heat Resistant and abrasion resistant	Chawla Rubber & Plastic Ind. (Pvt) Ltd., 43-Industrial Area, Township, Kot Lakhpat, Lahore	No Change
275		40111000	Tyres of a kind used on motor cars (including station wagons and racing cars)	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar	No Change
276		40112011	Radial Tyres of a kind used in Light Trucks	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Service Long March Tyres (Pvt.) Ltd. B-61, Sindh Industrial Trading Estate Nooriabad, Jamshoro.	No Change
277		40112019	Other Tyres of a kind used in Light Trucks	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore	No Change
278		40112091	Tyres/ Radial Tyre of a kind used on buses or lorries :	All sizes/ Types	--	--	Service Long March Tyres (Pvt.) Ltd. B-61, Sindh Industrial Trading Esstate, Karachi	No Change
279		40112099	Other Tyres of a kind used on buses or lorries :	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
280		40114000	Pneumatic Tyres For 2/3 Wheelers (Motorcyels, Scooters, Motorcycles, Trolley, wheel barrow)	All sizes/ Types	--	--	1) Service Industries Ltd., Service House-2, Main Gulberg, Lahore 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 3) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan. 4) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 5) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar	No Change
281		40115000	Pneumatic Tyres of a kind used on bicycles	All sizes/ Types	--	--	Service Industries Ltd., Service House-2, Main Gulberg, Lahore	No Change
282	Add	40117000	i)Tyres,rubber,pneumatic Tractor / Tractor (F & R)	All sizes/ Types	--		1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore **2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added
			ii) Agri Tyre F & R	All sizes/ Types			Service Industries Ltd., Service House-2, Main Gulberg, Lahore	Missed from the active list
283	Add	40118000	Tyres,rubber,pneumatic	All sizes/ Types	--		1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore **2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added
284		40119010	Tyres,rubber,pneumatic	Front & Rear	--		1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 3) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar	No Change
285	Add	40131010	Inner Tubes of Rubber of a kind used on buses, lorries or trucks	All sizes/ Types			1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore **2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
286	Add	40131020	Inner Tubes of Rubber of a kind used on motor cars	All sizes/ Types	--	--	1) Panther Tyre Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan. **4) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added
287		40132000	Inner Tubes of Rubber of a kind used on bicycles	All sizes/ Types	--	--	1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) Service Industries Ltd., Service House-2, Main Gulberg, Lahore	No Change
288		40139010	Inner Tubes of Rubber of a kind used on agricultural tractors	All sizes/ Types	--	--	1) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi	No Change
289		40139020	Inner Tubes of Rubber of a kind used on motor cycles	All sizes/ Types	--	--	1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 4) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan. 5) Service Industries Ltd., Service House-2, Main Gulberg, Lahore	No Change
290	Add	40139030	Inner Tubes of Rubber of a kind used on jeeps	All sizes/ Types	--	--	1) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar **2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added
291	Add	40139090	Inner Tubes of Rubber	350-8, 400-8 for Rickshaws and Scooters Rickshaw 1.35-10, 4.00-8 Motorcycle & Scooter, Trolly, Rickshaw, ULT, Agri, Bus/Truck Tube 6.15-13, 6.50-14, 6.50-16, 13-28, 14-30, 8.25-16, 7.50-20 2.25-17, 2.50-17, 2.50-18, 3.00-17, 3.00-18	--	--	1) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 2) Service Industries Ltd., Service House-2, Main Gulberg, Lahore 3) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore **4) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi**	Name of Ghandhara added

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
292		40161090	Textile Spinning Rubber Apron	Any Size with any Hardness	Ozone crack resistance -vegetable oil resistance -abrasion resistance -moisture resistance -tear resistance -antistatic resistance	Ozone crack resistance -vegetable oil resistance -abrasion resistance -moisture resistance -tear resistance -antistatic resistance	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.	No Change
293		40169210	Tip Erasers	Plastic	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore	No Change
294		40169290	Erasers	Plastic	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore	No Change
	New	40169320	Rubber Washer	For 3/4" Service Valves	Rubber washer at the inlet of Gas Meters	Neoprene, Rubber accelerators etc.	1) Tabeer Enterprises, Fazal Muhammad Khan Colony, Main Saddar Road, Kasur. 2) U.S Rubber & Plastic Parts, Zulfiqar Town, Saddar Dewan Road, Kasur.	New entry added per industry request.
295		40169990	Rubber Stopper	Bromobutyl Rubber Stoppers	Height : 12.2 mm, Top Dia: 30.8 mm, Neck Dia: 23.6 mm, Thickness: 4.0 mm	--	Ghani Metal & Rubber Industries (Pvt.) Ltd., Plot No. 62-A, Phase-II, M-3 Industrial City FIEDMC, Faisalabad.	No Change
296	Add	40169390	Swivel and Nut Assembly	1/2"	Denisty 8.41 g/cm3	60/40 Brass	1) Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi **2) Hussaini Trading Co., Plot No. 53, Sector 6, New Karachi Industrial Area, Karachi.**	Hussaini Trading added as per request This PCT Head is for Rubber not Metal Nuts and under evaluation
297		42010000	Belts or Belting of rubber and/or leather excluding those conforming to API specifications.	Conforming to BSS-351 & 490 (excluding grades, N 17, M 24 & above) Also conforming to DIN 22102 (excluding grades; M, N and above)	--	--	Premier Rubber Belting Mfg. Co., C-13, SITE Karachi	No Change
298		44109000	Chipboard	Board made of chips of wood	Sheets size 8*4 ..... density 600	Glue Urea Formaldehyde	Chenab Particle Board (Pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta,	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
299		44111200	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 2.0 mm 1220 x 2440 x 2.2 mm 1220 x 2440 x 3.0 mm 1220 x 2440 x 4.0 mm 1220 x 2440 x 4.5 mm 1220 x 2440 x 5.0 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra, 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change
300		44111300	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 5.5 mm 1220 x 2440 x 6.0 mm 1220 x 2440 x 6.5 mm 1220 x 2440 x 7.0 mm 1220 x 2440 x 8.0 mm 1220 x 2440 x 9.0 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
301		44111400	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 10 mm 1220 x 2440 x 11 mm 1220 x 2440 x 12 mm 1220 x 2440 x 15 mm 1220 x 2440 x 16 mm 1220 x 2440 x 17 mm 1220 x 2440 x 18 mm 1220 x 2440 x 24 mm 1220 x 2440 x 30 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change
302		44119200	Melamine Moulded Door skin of a density exceeding 0.8 G/CM2	Width = 27" , 39", 42" Length = 84"	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change
303		44119310	Not Mechanically Worked or Surface Covered		Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change
304		44119390	Veneered Moulded Door Skin Primed Molded Fibre Board Door Skin Melamine Moulded Door Skin UV melamine MDF	Width = 27" , 39", 42" Length = 84" UV 16mm & 17mm Size=(1220x2440)	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
305		44119400	BTO Standard Red Stamping Sheet Fibre Board BCC Premium Fbire Board BTO Standard Fibre Board BCR Superior of a density not exceeding 0.5 G/CM2		Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar	No Change
306		48025510	Writing Printing Paper	General category of white paper suitable for printing and writing	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
307		48025590	Writing Printing Paper	General category of white paper suitable for printing and writing	Bleached Pulp	Cellulosic material	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
308		48025600	i) Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
Add	Add		ii) Cheque Paper (CBS-1)	Substance (gsm): 90±5 GSM	--	Of cellulose (organic fiber sheets)	Security Papers Ltd., Jinnah Avenue, Malir Halt, Karachi-75100	Security Papers requested to add this item
309		48025700	i) Photo Copy Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
Add	Add		ii) Cheque Paper (CBS-1)	Substance (gsm): 120±5 GSM	--	Of cellulose (organic fiber sheets)	Security Papers Ltd., Jinnah Avenue, Malir Halt, Karachi-75100	Security Papers requested to add this item
310		48026100	Writing Printing Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
311		48026200	Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
312		48026990	Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
313		48030000	Jumbo Reel of Toilet or Facial Tissue or similar kind of paper	Toilet or facial tissue stock, towel or napkin stock and similar paper of a kind in Jumbo tissue reel form (Grammage 13.5 gsm to 32 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	1) Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
314		48041100	Semi Kraft	Outer Paper for corrugated containers	Mix of Kraft pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
315		48041900	Semi Kraft	Outer Paper for corrugated containers	Mix of Kraft pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
316		48044900	Un-coated board used for liquid packaging	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
317		48045900	LPB - Kraft Back Board	Multilayered board with white surface, produced form virgin pulps and suitable for food packaging	Bleached / unbleached virgin pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
318		48051100	Fluting Paper	Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
319		48051200	Fluting Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
320		48051900	Fluting Paper	Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
321		48052400	White Test Liner	Outer Paper for corrugated containers having white surface	Bleached and un-bleached recovered fiber may also contain virgin fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
322		48052500	Test Liner	Outer Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
323		48059210	Uncoated FBB	Used for Poly Coating and Cupboards	Bleached virgin pulp	Cellulosic material	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
324		48109200	i) LPB - Kraft Back Board ii) Folding Box Board	Multilayered board with white surface, produced form virgin pulps and suitable for food packaging	- Bleached / unbleached virgin pulp - Chemical and Mechanical Bleached virgin pulps	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change
325		48109900	Duplex Board	Multilayer board with white top	Bleached Chemical pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
326	Amend	48114100	i) Masking Tape	Thickness 15mic to 40 mic	White Colour / any colour	--	1) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 2) Universal Coating Films Company (Pvt.) Ltd., Plot No. G-20 SITE Super Highway, Phase 2, Scheme-33, Industrial Area, Karachi. 3) A.J. Containers (Pv.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 4) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 5) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 6) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi. 7) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 8) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi **9) Tape World (Pvt.) Ltd., F-53, Plot**	Name of Tape World added.
			ii) Laminate for Flexible Packaging (Self-adhesive)	Paper and plastic based self-adhesive labels	Solid in roll form of stacks	Cellulosic material & Polymer	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change
	Add		iii) Self Adhesive Sticker	76 GSM release paper, 75 GSM coated paper and 16 GSM glue	Paper based	--	Performance Materials (Pvt.) Ltd., Plot No. B-228/A, Site Area, Phase 1, Nooriabad, Sindh	Name of Performance Materials added.
327		48115100	Poly coated board (Bleach board weighing more than 150gsm)	combination of multi layer Coated / un-coated Printed board and PE of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
328		48115990	Poly coated board (other poly coated board), excluding for use in filters	combination of multi layer Coated / un-coated Printed board and PE of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
329		48119000	Printed Decorative Paper, excluding for use in filters	widh-1250mm, 50-75GSM, Various wood grain effects and fancy desigens	Excellent wet Strength, Good Wet opacity, fully Absobent,Specially formulated water base Inks with high and thermal stability	Chemically bleached wood pulp (Fibers),Thickness:80mm,Moisture:<5 % Conn: 50-60g/m2, Ash content upto 35%	Wali Laminates (Pvt) Ltd., 17 KM, Ferozpur Road, Lahore	No Change
330		48181000	Toilet Paper	Finished product, converted in roll form (Grammage from 15 gsm to 24 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change
331		48182000	Handkerchiefs, cleansing or facial tissues and towels	Finished product, converted in box, rolls, or packed in poly form, folded or in sheets (Grammage 13.5 gsm to 32 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change
332		48183000	Tablecloths and serviettes	Finished product, converted in box, or packed in poly form, folded or in sheets (Grammage 13.5 gsm to 22 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
333		48191000	Carton, cases & boxes of corrugated paper or Paper board (4819.1000). Folding carton, boxes and cases of non- corrugated paper or Paper board (4819.2000).	Multi layer Coated / un-coated Printed board of various grammages as per customer specs	Produced in HL & Glued printed carton	Paper and Board material	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
334		48192000	Carton, cases & boxes of corrugated paper or Paper board (4819.1000). Folding carton, boxes and cases of non- corrugated paper or Paper board (4819.2000).	Multi layer Coated / un-coated Printed board of various grammages as per customer specs	Produced in HL & Glued printed carton	Paper and Board material	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
335		48193000	Sacks, paper	Papersacks made from Extensible / Clupak and Non Extensible Sack Kraft Paper base width 40 cm or more	--	--	Pakistan Papersack Corporation Limited Plot No. 749-749A, Zila Moza Pathra, Tehsil Hub, District Lasbella, Hub Baluchistan	No Change
336		48221000	Bobbins, Spools, Cops used for winding Textile yarn.	Made of Paper & Paper Board.	50-505 mm I/D Upto 3 Meter Length O/D upto 530 mm.	--	Coastal Converters (Pvt) Ltd., Room # 311, 3rd Floor, Korangi Association of Trade & Industry, Sector # 23, K.I.A, Karachi	No Change
337		48229000	Bobbins, Cops, Cores, Tubes and other winding supports of Paper & Paper Board	Made of Paper & Paper Board.	50-505 mm I/D Upto 3 Meter Length O/D upto 530 mm.	--	Coastal Converters (Pvt) Ltd., Room # 311, 3rd Floor, Korangi Association of Trade & Industry, Sector # 23, K.I.A, Karachi	No Change
338		48236900	Disposable paper or paperboard plates, trays, dishes & cups of different sizes	Multilayer coated board, ranging from 160 cc to 21 OZ, plain and customized.	Blend of various pulps / Recycled Fiber	Paper and board material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change
339		48239040	Double Side Self Adhesive TissueTape	60 microns to 140 microns	white color	Natural rubber, based glue and film	1) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 2) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 3) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 4) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi 5) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.	No Change
340		48239090	Metalized board	combination of multilayer coated / un-coated printed board and Metalized PET of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene terrathelate (PET)	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore	No Change
New	New	49070010	i) Bank Note Paper	Substance (gsm): 80-90 GSM	--	Of cellulose (organic fiber sheets)	Security Papers Ltd., Jinnah Avenue, Malir Halt, Karachi-75100	Added as per SPL request.
			ii) Ballot Paper	Substance (gsm): 80-120 GSM	--	Of cellulose (organic fiber sheets)		

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Passport Paper	Substance (gsm): 90±5 GSM	--	Of cellulose (organic fiber sheets)		
			iv) Degree Paper	Substance (gsm): 120±5 GSM	--	Of cellulose (organic fiber sheets)		
			v) Non-Judicial Stamp Paper	Substance (gsm): 80±5 GSM	--	Of cellulose (organic fiber sheets)		
			vi) Prize Bond Paper	Substance (gsm): 95±5 GSM	--	Of cellulose (organic fiber sheets)		
			vii) Parchment Paper	Substance (gsm): 125±4 GSM	--	Of cellulose (organic fiber sheets)		
341		49081000	Transfers, vitrifiable, excluding window transparencies	Stickers, Transfer Labels (Decalcomania) and Chassis Aluminium ID Plates.	--	--	Allco Transfer Printers (Pvt) Ltd., 3 Haider Chamber, 11-B, Rizvia Society, Karachi-74600	No Change
342		49089000	Decalcomanias, excluding vitrifiable decalcomanias	Transfer Labels (Decalcomania)	--	--	Allco Transfer Printers (Pvt) Ltd., 3 Haider Chamber, 11-B, Rizvia Society, Karachi-74600	No Change
343		54023300	Yarn,textured,of polyesters	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.	No Change
344		54023400	Synthetic filament Textured yarn - made of polypropylene	Polypropylene Melt-spun Textured Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
345		54023900	Synthetic filament yarn - made of polypropylene	Polypropylene Melt-spun Filament Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
346		54024600	Others of polyester, partially oriented	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.	No Change
347		54024700	Yarn,oriented polyester, Single, untwisted	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.	No Change
348		54024800	Synthetic filament yarn - made of polypropylene	Polypropylene Melt-spun Filament Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
349		54025200	Other yarn, single, with a twist exceeding 50 turns per metre, of polyester	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.	No Change
350		54025900	Synthetic filament yarn twisted - made of other synthetic material	Polypropylene Melt-spun Twisted Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
351		54026200	i) Other yarn multi or cabled of polyester	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.	No Change
			ii) Air Coverd Yarn	Use in Denim	High Elongation	--	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan	No Change
352		54041100	Knitted & Woven Elasic,Tape,Ribbon, Cords used in Garment & Home Textiles Export Industry.	Narrow Fabrics of 5mm - 200mm	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
353		54041100	Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.	No Change
354		54041900	i) Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.	No Change
			ii) Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--		No Change
355		54049000	i) Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.	No Change
			ii) Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--		No Change
356		54060000	Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.	No Change
357		54075200	Knitted & Woven Elasic,Tape,Ribbon, Cords used in Garment & Home Textiles Export Industry.	Narrow Fabrics of 5mm - 200mm	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
358		54076900	Weaved Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020	No Change
359		55032010	Polyester Staple Fibre	Synthetic staple fibres, not carded or combed. Of polyesters not exceeding 2.22 decitex.	0.5-2 Denier staple fibre	PTA= 0.865, MEG= 0.334, Textile Finish= 0.10-0.20,	Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000	No Change
360		55034000	Synthetic staple fibre - made of polypropylene	Polypropylene Melt-spun Staple Fibre	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
361		56031100	Non Woven Fabric of manmade filaments (Spunlace)	Weighing not more than 25 g/m2	As per Customer Specification	As per Customer Specification	1) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad. 2) U. F Fiber Industries (Pvt.) Ltd., Plot No. X/7A, Near Guibai, S.I.T.E., Karachi	No Change
362		56031200	Non Woven Fabric of manmade filaments (Spunlace)	Weighing more than 25 g/m2 but not more than 70 g/m2	As per Customer Specification	As per Customer Specification	1) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad. 2) U. F Fiber Industries (Pvt.) Ltd., Plot No. X/7A, Near Guibai, S.I.T.E., Karachi	No Change
363		56031300	Spunlace Non Woven Fabric (excluding used in filters)	Weighing more than 70 g/m^2 but not more than 150 g/m^2	Application Areas: Wet Wipes, Leather Substrate, Hygiene, Medical Application, Cosmetic Application.	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change
364		56031400	Non Woven Fabric of manmade filaments (Geotextile), Excluding used in filters	Weight 200-1500 gm/ m2; Width (max): 3 meter	Material: Polyester/ Polypropylene; Type: Needle punch non woven fabric; Weight/ Density: 150gsm and above; Thickness: 1-20mm; Color: As per requirement; Width: 3 meter max; Length: As per requirement.	--	1) PCI Materials (Pvt.) Ltd., 401, Deh Drigh, Rafa-Aam Society, Malik Halt, Karachi 2) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change
365		56039100	i. Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii. Spunlace Non Woven Fabric	Blend of made of cotton, polyester, viscose, bamboo, lyocell with different compositions	--	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change
366		56039200	Other nonwoven fabric (Spunlace) (excluding used in filters)	Weighing more than 25 g/m2 but not more than 70 g/m2	As per Customer Specification	As per Customer Specification	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change
367		56039300	i) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
			ii) Other nonwoven fabric (Spunlace)	Weighing more than 70 g/m2 but not more than 150 g/m2	As per Customer Specification	As per Customer Specification	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change
368		56039400	i) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
			ii) Polyester Non Woven Fabric (Automotive Grade)	gsm range of 15gsm - 500gsm	Made from cotton, polyester, polypropylene	--	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020	No Change
			iii. Spunlace Non Woven Fabric	gsm range of 15gsm - 500gsm	Blend of made of cotton, polyester, viscose, bamboo, lyocell with different compositions	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
369		56041000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
370		56050000	i) Glitter Powder ii) Metallized Yarn,		PET film	Resin/ Dyes/ Solvent	Brightex Industries (Pvt) Limited. Office No. 24-25, Mohmand Plaza, Chowk Yadgar, Peshawar	No Change
371		56060000	Yarn,chenille, including flock chenille	Chenille Yarn Ecru and Dyed	Standard	Acrylic, Blended	Khawaja Woollen Mills (Pvt) Ltd., 4-H, Gulberg-III, Lahore-54660	No Change
372		56074100	Binder or baler twine: Of polyethylene or polypropylene	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
373		56074900	Twine, cordage, rope and cables- made of polypropylene	Polypropylene Braided & Knitted twine, cordage, rope and cables	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	1) Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area,	No Change
374		56081100	Twine, cordage or rope; Made up Fishing Nets	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
375		56081900	i) Anti-insect Nets	Mesh 25x50, 40x80, GSM 100-115	Net rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
			ii) Anti-Hail Nets	1/2 Inch Mesh, 13x60 ft				No Change
			iii) Anti-Birds Nets	1 inch Mesh, 20x100 ft				No Change
			iv) Other	Made of pure HDPE virgin, UV stabilized	Net rolls	Polymer based		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
376		56089000	i) Vegetable/Crop Nets	HDPE 280D/ 6 ply, Mesh 16"	9x210 ft	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
			ii) Green Shade Nets	40-80% Shading ratio, 80-200 GSM	Rolls of 4x50 m	Polymer based		No Change
			iii) Fruit/Vegetable Packing Nets	1-25 Kgs packing	Bags	Ploymer based		No Change
377		56090000	Articles of yarn, strip or the like of heading 54.04 or 54.05, twine, cordage, rope or cables, not elsewhere specified or include	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
378		58019000	Weaved Fabric	Automotive Grade	Tensile/Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength/Fatigue, Flexibility, Flamability, Color/Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020	No Change
379		58062000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
380		58063200	i) Ribbons, nylon, narrow woven	Hook and Loop Fastener tapes, made from 100% nylon material and available in widths 10mm up to 100mm	--	--	NFU Industries (PVT) Ltd., 20 Km, Raiwind Road, Lahore.	No Change
			ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
381		58071020	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
382		58071030	i) Narrow woven fabrics, woven, ribbons, tapes, webbing and other:	Made from yarns of cotton, polyester and/or polypropylene used in curtain headers, usually for the home-textile export-oriented industry	Narrow woven fabrics of 1 to 6-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi	No Change
			ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
383		58071040	i) Narrow woven fabrics, woven, ribbons, tapes, webbing and other:	Made from yarns of cotton, polyester and/or polypropylene, used in sports goods and luggage/bags manufacturing as straps and handles,	Narrow woven fabrics of 0.5 to 5-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi	No Change
384		58071040	ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
385		58071090	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
386		58079000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
387		58081000	Twine, cordage, rope and cables, plaited, knitted or braided: for example used as garmet draw-strings, or as filler dori, usually for the garment export-oriented industry	Made from yarns of cotton, polyester and/or polypropylene	1-14 mm diameter	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi	No Change
388		58090000	Narrow woven fabrics, woven, ribbons, tapes, webbing and other: for example used in manufacturing of furniture such as sofas for domestic consumption.	Made from yarns of cotton, polyester and/or polypropylene, usually including rubber thread	Narrow woven fabrics of 0.5 to 5-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi	No Change
389		59019010	Buckram	Interlining Fabric of Cotton/ PC in Rolls for Shirts	--	Coated with Thermoplastic Adhesive	1) Aruj Garment Accessories Ltd, Aruj House, 1 KM Raiwind Road, Lahore 2) Aruj Industries, 2-Km off Raiwind Manga Road, Raiwind, Lahore	No Change
390		59031000	Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	PVC Synthetic Leather	Coated /Laminated Fabric	Polyvinyle Choloride (PVC)	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) AHN Synthetic (Pvt) Ltd., 23-KM, Lahore/ Sheikhupura Road, Sheikhupura	No Change
391		59032000	Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	i) PU Synthetic Leather	Coated /Laminated Fabric	Poly Urethane (PU)	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) AHN Synthetic (Pvt) Ltd., 23-KM, Lahore/ Sheikhupura Road, Sheikhupura	No Change
392		59039000	i) Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	PU/ PVC Synthetic Leather	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.	No Change
			ii) Fusible Interlining	Fabric of Polyester in rolls for suits, jackets, and lady wears	--	Coating with Polyamide and Co-Polyester	Aruj Industries, 2-Km off Raiwind Manga Road, Raiwind, Lahore	No Change
393		59069900	Cloth Tape	Thickness 15mic to 40 mic	White Colour / any colour	--	1) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi 3) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 4) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 5) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 6) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
394		59090000	Hose piping, textile material	Fire Hose, Made from High quality Polyester Yarn, woven on Circular Looms, and Rubberlined	Working Pressure 16 bar, Brusting Pressure 32 bar	Polyester 25%, Rubber 75%	National Resources Corporation, 3/E-III, Commercial Area, Nazimabad, Karachi	No Change
395		59119090	i)) String Wound Filter Cartridges	Polypropylene Melt-spun Yarn Filter Media, and Polypropylene Filter Core US Patent No. 6,942,106 European Patent No. 1153641	Low specific gravity, environmentally friendly, long service-life	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi	No Change
396		59119090	ii) Spun Bonded Filter Cartridges	Polypropylene Melt-spun Bonded Filter Cartridge	Low specific gravity, environmentally friendly, long service-life	Thermoplastic polymer of propylene $(CH_3)_n$		No Change
397		60029000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
398		60053500	Weaved Fabric/ Knitted Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength, Seam Fatigue, Flexibility, Flamability, Color Fastness, Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020	No Change
399		60063200	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
400		60069090	Weaved Fabric/ Knitted Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength, Seam Fatigue, Flexibility, Flamability, Color Fastness, Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020	No Change
401		61171090	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
402		61178000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan	No Change
403		68041000	Millstones for Milling, grinding or pulping	Various grit sizes from Coarse (mesh 14) to fine (mesh 320 & above) with Hardness from soft (G) to Hard (R) In Vitrified & Resinoid BondIness. Grinding Disc. Dia x Thickness 4" x 1/4 41/2" x 1/4 5" x 1/4 7" x 1/4 9" x 1/4 Steel/Stone cutting Disc. Dia x Thickness 4" x 1/8 41/2" x 1/8 5" x 1/8 7" x 1/8 9" x 1/8 12" x 1/8 14" x 1/8 16" x 1/8	Working RPMs from 3000 to 14000 M/S	Abrasive + Resin + Glass Fiber	1) Grind Wheel (Pak) Ltd., 2nd Floor, Karachi Chambers, Hasrat Mohani Road, Karachi 2) Mughal Corporation (Pvt) Ltd., Sharif pura, G.T.Road, Gujranwala.	No Change
404		68051000	- Cloth, abrasive - Coated Abrasives Cloth Roll, Cloth Sheet & Aluminium Oxide cloth belt	Cloth and paper backed abrasives products. Cloth Polyster/ cotton	Grade, Strength etc	Silicon Carbide and Aluminum Oxide Coated on Latex paper cloth	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
405		68052000	Sand paper, Buffing Paper & Abrasives paper.	Kraft Linerboard	Moisture 7-9% GSM 100-130	--	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.	No Change
406		68053000	i) Leather, abrasive	i) PVC Synthetic Leather, ii) Polyeurethane Synthetic Leather iii) Transparent Plastic Sheet iv) Flocked Fabric v) Jersey Fabric, etc.	--	--	Crescent Art Fabrics (Pvt) Ltd., 23rd Kilometer, Lahore/ Sheikhupura Road, Sheikhupura	No Change
407			ii) Flap & Fiber Disc 4" 5", 7" & Abrasives Fiber Roll	Vulcanized Fiber Paper	Thickness 0.6 $\pm$ 0.03mm, Tensile strength $\geq 60.x10^4$, $\geq 3.5x10^4$, Moisture Content 6.5 - 8.5	--	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.	No Change
408		68061000	i) Wool,rock, in bulk, sheets or roll	Rockwool/mineral Wool Blankets, Pipe Sections and Panels Density Upto 150Kg/m3, ASTM C 592	Diameter of fibres:4-10 micron, Length of fibres: avg. 200 MM Shot contents :max. 15% (0.2 MM, mesh): Loss on ignition:0% Water content:0% Sulphur content:0% Asbestos content :0% Air permeability 70 Kg / CM vf 2 100 Kg / CM 1.1 140 Kg / CM 0.6	S_iO_2, AI_2O_3, Fe_2O_3, TiO_2, CaO, MgO, Na_2O, K_2O	1) Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi 2) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi	No Change
			ii) Rockwool Blanket back with G.I Wire mesh	Density = 60, 80 and 100 kg/$m^{3,}$ Thickness = 50,60,70, 80, 100 mm	Square metre Cube metre L x W x T	Silica, Aluminium, Iron and Mag.	Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi	No Change
			iii) Rockwool Resinated Board	Density = 60, 80 and 100 kg/$m^{3,}$ Thickness = 50,70, 80, 100 mm				No Change
			iv) Rockwool Pre formed Pipe sections	Density = 100-140 kg/m^3 Thickness = 25 to 100 mm	Running metre			No Change
			v) Rockwool Sandwich Panels	Density = 100-200 kg/m^3 Thickness = 20 to 100 mm	Square metre Cube metre L x W x T			No Change
			vi) Wired Mattress	Density: 60-140 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Process Temperature control in different industries	Thermal Conductivity: 0.038 W/mk, Shot Content: max. 1.5%, Water Content: 0%, Loss on Ignition: 0%, Sulpher Content: 0, Asbestos Content: 0%	SiO2: 42.50%, Al2O3: 10-17%, Fe2O3: 7-14%, TiO: 1-13%, CaO: 6-15%, MgO: 6-14%,	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
			vii) Card Mattress	Density: 40-120 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Extentions and Partition wall, Pre-fab Housing	Thermal Conductivity: 0.038 W/mk, Water Absorption: 2%, Compression Strength: 150 Kpa, Tensile Strength: 200 Kpa, Sound Absorption Coefficient: 0.95	Na2O: 2-4%, K2O: 0.5-3%, PH Range: 7.0-8.0, Fire Resistance: Class A	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
			viii) Alumat	Density: 40-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Insulation for air conditioning duct, Household appliances, insulation for buildings	Acoustic Insulation: 40 dB, Melting Point: Does not melt, UV Resistance: Yes	Formaldehyde Emission: < 0.1 ppm, Moisture Content: 1.5%, Fungi Resistance: Yes, Bacterial Resistance: Yes, Ozone Depletion Potential: 0	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
			ix) Acoustic Mattress	Density: 30-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Thermic and acoustic insulation, Car roofs	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
			x) Roof Mattress	Density: 30-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xi) Loose Wool	Used upto 800 C, 15 Kg in one bad loose form	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
			xii) Rockmat	Density: 30-100 Kg/m3, Thickness: 5-100 mm, Dimension: 1000x630x5000 mm, Application: for buildings	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi	No Change
409		68091100	Gypsum Board	4'x8' 9mm & 12mm	Sheet	Paper, Gypsum, Starch & Foam	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi	No Change
410		68091900	PVC Laminated Gypsum Ceiling Tiles	2'x2' 7.5mm & 9mm 2'x4' 7.5mm & 9mm	Tile	Paper, Gypsum, Starch, PVC Sheets and Glue	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi	No Change
411		68101900	HT & LT PCC/Spun Hollow Poles, 31 ft to 55 ft	WAPDA Specification DDS-55:2006 (Amended to Date)	--	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Junaid (Pvt.) Limited, 27 Miles, Multan Road Maraka, Lahore.	No Change
412		68109100	Door-frames, prefabricated, concrete, cement	Door frames roll formed	HR 1/2	Commercial grades	1) Irshad Ahmad & Bros., 145 Loha Market Lahore 2) Junaid (Pvt.) Limited, 27 Miles, Multan Road Maraka, Lahore.	No Change
413		68114000	i) Cable Conduits of asbestos cement	PS: 558 - 1991 (R) ISO: 881 - 1980	Resistance to corrosion, abrasion hydraulic characteristics	Hydrous Magnesium Silicate 3MgO $2SiO_2$ $2H_2O$	Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi	No Change
			ii) Pipe Fittings of asbestos cement	PS 2942 - 1990 ISO 393/4 - 1986, ISO 393/2 - 1986 (E)	Corrosion free, Heat insulation, Fire retardant Termite Proof			No Change
			iii) Joints of asbestos cement	PS: 430 - 1988 (R) ISO 393 part 1&2 1983,1986, ISO 8101-1980, ISO 737-1984	Corrosion Free, Heat insulation, Fire retardant, Termictc proof			No Change
			iv) Pipes of asbestos-cement	PS: 579 - 1982 (R) ISO 396/ 1 & 2 - 1980 (E)	Corrosion Free, Heat insulation, Fire retardant, Termictc proof,			No Change
			v) Corrugated sheets of Asbestos Cement	PS 430 & ISO 393/1	Corrosion Free Roofing Material, Heat Insulation, Fire Retardant, Termite Proof			No Change
			vi) Asbestos Cement Boards / Flat Sheets	PS 579/2002 ®	Corrosion Free Wall paneling material, weather Resistance, Heat Insulation, Fire Retardant, Termite Proof,			No Change
414		68118900	Cable Conduits of Cellulose fibre-cement	PS: 428 - 1984 (R) ISO 160 - 1980,ISO 2785-1986,ISO 4483-1979	ISO 4480-1979,ISO 4482-1979,ISO-7336-1984 Resistance to corrosion, Resistance against Abrasion Hydraulic Characteristics	Hydrous Magnesium Silicate 3MgO $2SiO_2$ $2H_2O$	Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi	No Change
415		68129900	Gaskets of asbestos	Asbestos	--	Asbestos + Calcium + Silicon	Sheikh Corporation, 52/3 Lytton Road, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
416		69021010	i) Chrome Magnesite Bricks	Chrome Magnesite Bricks	Open porosity (%):16 max , Apparent Density(gm / cm3):2.95 min., Cold Crushing Strength (kg/cm2):700 min, Temp. of Deformation :1500 ^{o}C, Under Load of 2Kgf/cm2 (^{o}C), ermal Shock Resistance at:2 thermal 1300 ^{o}C (Water Cooling) cycles min. Curvature (Bending Arrow):1 mm max Breakage of Angles :5 mm max Breakage of Ribs (sides):3 mm max	MgO (%) :50 min Cr_2O_3(%) :20 max SiO_2 (%) :03 max	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi	No Change
			ii) Refractory bricks, blocks, tile & similar refractory ceramic construction goods	High Alumina castable/refractory for temperature upto 1600 ˚C - High wear & Alkali resistant silicate refractory. - Megnesite Refractory - High Temperature Zircon Refractory.	--	--	1) Marshal Ceramics, PO Box.77, K.M.8.9, Lahore Side, G. T Road Gujranwala 2) General Refractories, Landhi Industrial Area, Karachi 3) Commander Ceramics, P.O. Box 514, G.T. Road, Km 11/12 Atawa, Gujranwala	No Change
417		69031000	Crucibles	--	--	--	1) Carborundum Crucibles Industries, 14-A Davis Road Lahore 2) Kundun Crucibles Industries, 14 KM, Sheikupura Road, Lahore 3) Asian Cruciibles Industries, 14 KM Sheikupura Road Lahore 4) Pakistan Crucible Industries, 14-A Davis Road Lahore	No Change
418		69032010	Cold tundish lining sets, slide gate refractory sets & nozzles	Cold Tundish Lining Nozzles Well-Block Slide Gate Plates	Loss on Ignition (%) :07 max, Bending Strength (kg / cm2):30 min, Humidity (%) :0.5 max, Bulk Density (gm/cm3): 1.15 min, 3.15 min, 2.60 min, 3.18 - 3.22 min Apparent Porosity(%):45 – 55, 16 max, 2.0 – 6.0, Refractoriness(ºC):1620 min Cold Crushing Strength (kg/cm2):900 min, 1000 - 1100 (Kg / cm2)	i) SiO_2 (%):90 min, Al_2O_3(%):02 max., CaO (%):02 max., MgO(%):01 max., Fe2O3 (%):01 max ii) Al2O3(%):95 min, Fe2O3(%):0.2 max iii) Al2O3(%): 93 min, K2O(%):0.5 max, Na2O(%) :0.1 max, Fe2O3(%):0.2 max iv) Al2O3(%):73 – 76, Carbon(%):05 – 07, ZrO2 (%):08 – 11	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
419		69072111	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited 40-L, Model Town Ext. Lahore	No Change
420		69072119	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited 40-L, Model Town Ext. Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
421		69072190	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited 40-L, Model Town Ext. Lahore	No Change
422		69072211	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
423		69072219	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
424		69072290	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
425		69072311	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
426		69072319	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
427		69072390	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
428		69073000	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
429		69074000	All Types of Unglazed tiles, cubes and similar articles the side of which is more than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing	--	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
430	Amend	70023910	i) USP type-I (Clear glassTubing) **(Excluding GMP Certified i.e. ISO 15378:2017)**	Dia: 6.00 - 30.00 mm Wall thickness: 0.45/0.50 or on demand	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545 °C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.	Company does not have GMP Certification.
	Amend		ii) USP type-I Amber Glass Tubing **(Excluding GMP Certified i.e. ISO 15378:2017)**	Dia: 6.00 - 30.00 mm Wall thickness: 0.45/0.50 or on demand	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550 °C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm		Company does not have GMP Certification.
431		70049000	Sheet Glass				Ghani Glass Limited 40-L, Model Town Ext., Lahore	No Change
432		70051000	Reflective Float Glass		LTV: 15% - 20% LTB: 20% - 25% LTV: 25% - 30%		Ghani Glass Limited 40-L, Model Town Ext., Lahore	No Change
433		70052100	Colour Float Glass (except for glass used in automotive vehicles)		LTV: 20% - 55% LTV: 35% - 50% LTV: 40% - 65% LTV: 50% - 70% LTV: 74% - 80%		Ghani Glass Limited 40-L, Model Town Ext., Lahore	No Change
434		70052900	Reflective Float Glass (except for glass used in automotive vehicles)		LTV: 79% - 91%		Ghani Glass Limited 40-L, Model Town Ext., Lahore	No Change
435		70071900	Toughened Safety Glass	2mm to 19mm			Ghani Value Glass Limited, 39 - L, Model Town Extn., Lahore	No Change
436		70072900	Laminated Safety Glass	6.38mm to 72mm			Ghani Value Glass Limited, 39 - L, Model Town Extn., Lahore	No Change
437		70080000	Insulation Glass, Double Glazed Glass	Multiple-walled insulating units of glass	Multiple-walled insulating units of glass	--	1) Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore 2) Ghani Value Glass Limited 39 - L, Model Town Extn., Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
438		70099200	Mirror Glass	1.8mm to 8mm			Ghani Value Glass Limited 39 - L, Model Town Extn., Lahore	No Change
439		70101000	i) Clear Ampoule Form:B Form:C Form:D	1 CC to 10 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.	No Change
			ii) Amber Ampoule Form:B Form:C Form:D	1 CC to 10 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm		No Change
440		70109000	i) Clear Vial	1CC to 20 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Amber Vial	1CC to 20 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm		No Change
			iii) Glass Bottles	--	--	--	Ghani Glass Limited 40-L, Model Town Ext., Lahore	No Change
441		70111000	Glass Shells 35 Dia, 60 Dia & 80 Dia	Glass Shell 15 W to 200 W	--	--	Crown Lighting (Pvt) Ltd., 483/E 1, Tariq road, Peshwar Cantt.	No Change
442		70196100	Woven Fabrics of glass fibre rovings	Fiberglass Products	--	--	Fibre Tech, 28-E,Safe way House, South Park Avenue, Phase 2,Ext DHA, Karachi	No Change
443		70196200	Woven Fabrics of glass fibre rovings	Fiberglass Products	--	--	Fibre Tech, 28-E,Safe way House, South Park Avenue, Phase 2,Ext DHA, Karachi	No Change
444		70199090	i) Glass Reinforced Epoxy (GRE) Pipes	ASTM D-2996, Length upto 40 ft., dia.upto 600mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	1) Bin Tariq (Pv.t) Ltd. Gate No. 1, Plot No. 621, Sundar Industrial Estate, Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
			ii) Fiber Glass Tank	In-house fabricated: ASTM D-4097-01, ASTM D-3299-00, dia: upto 4m, Length: 12m Field Erected: ASTM D-4097-01, ASTM D-3299-00, dia: upto 10m, Height: 12m	As per requirement	Food Grade, Chemical storage or As per Standard		No Change
			iii) Disconnecting Sticks 12 ft	WAPDA Specification DDS-43:2008	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			iv) Glass Reinforced Epoxy (GRE) fittings, i.e. Elbow, Tee, Flange, Reducer & End Cap etc.	ASTM D-2996, Dia. upto 600mm, Pressure up to 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
			v) Fiber Glass Panel Tanks	ASTM D- 3299, ASTM D-4097, Min. Storage: 1000 Liters, Max. Storage: As per requirement	Feasible for colder & hotter environment (-10oC to +80oC) - No Algae Growth	Food Grade, Chemical storage		No Change
			vi) Fiber Glass Manhole	ASTM D-3753, H-20, Length upto 12m, dia.upto 2m	As per requirement	Corrosion Resistant		No Change
			vii) Fiber Glass Manhole covers	ASTM D-3753, H-20, Length upto 12m, dia. 400,500,600,900 mm	As per requirement	Corrosion Resistant		No Change
			viii) Fiber Glass Rebars	ASTM D-7205, ASTM D7617, ASTM D-5117 Strength up to 60,000 psi, dia: 5mm-40mm	As per requirement	Corrosion Resistant		No Change
			ix) Fiber Glass Grating (Molded & Pultruded)	Height from 25mm-60mm	As per requirement	Corrosion Resistant		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			x) Fiber Glass Disconnecting Stick/ Rod	DDS-43:2008, Insulated up to 90kV	As per Standard	As per Standard		No Change
			xi) Tree Trimmer	PP-99	As per Standard	As per Standard		No Change
445		70200090	i) Glass Reinforced Polyester (GRP) Pipes	Length upto 40 ft., Dia. upto 4000mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines. ASTM, D-351704, D3262-04, D-3754-04	Food Grade/As per Standard	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Bin Tariq (Pv.t) Ltd. Gate No. 1, Plot No. 621, Sundar Industrial Estate, Lahore. 3) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
			ii) Glass Reinforced Polyester (GRP) fittings, i.e. Elbow, Tee, Flange, Reducer & End Cap etc.	ASTM D-351704, D-3262-04, D-3754-04 Dia. upto 4000mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
			iii) Appliance Glass Doors / Shelves, Kitchen Hobs (excluding curved shape)	2mm to 19mm			Ghani Value Glass Limited 39 - L, Model Town Extn., Lahore	No Change
			iv) Other articles of glass	Tempered & printed glass for use in Home Appliances including Refrigerator Glass Doors, Water Dispensers, Hobs, Geysers, Washing Machines, Kitchen Hoods, Table Tops, Air Conditioner, LED Panels, Refrigerator's glass shekves and others	Various glass processing including glass cutting, polishing. Drilling, Tempering, curving & Bending & printing		Harris Silicons & Glass (Pvt.) Ltd., Farooq Industrial Estate Anam Road, 20 Km Ferozpur Road, lahore.	No Change
446		72021100	Ferro Manganese High Carbon	Mn: 60% & above, C: 6-7%, Si: 3% max	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
447		72022100	Ferro Silicon	FeSi 75 Al 2 Si: 55% & above	Crystallized lumps of size 10-80mm + 10%	Silicon 72-80%, Aluminium 1-3%, Carbon 0.2% max, Phosphorus 0.05% max, Sulphur 0.04%	1) Al-Abbas Sugar Mills Ltd., 55 Km, Main National Highway, Dhabeji, Distt, Thatta 2) Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
448		72022900	Ferro Silicon	Si: 55% & above	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
449		72023000	Ferro Silicon Manganese (low Carbon/ High Carbon)	Mn: 60% & Above, C: 0.5 - 2% (Low Carbon) C: More than 2% (High Carbon)	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
450		72024100	Ferro Chrome	Cr: 55% min. C: 2% min.	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
451		72024900	Ferro Chrome	Cr: 55% min. C: 2% min.	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore	No Change
452		72044910	Re-rollable Scrap				Pakistan Ship Breakers Association, M-1 Mezzanine Floor, Horizon Tower, P/No. 2/6, Commercial Block 3, Sch No. 5, Near Bilawal House Clifton Karachi.	No Change
453		72044990	Re-meltable Scrap	H.M.S. 1 & 2			Pakistan Ship Breakers Association, M-1 Mezzanine Floor, Horizon Tower, P/No. 2/6, Commercial Block 3, Sch No. 5, Near Bilawal House Clifton Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
454		72045000	Ingots, from remelting scrap of iron or steel	Ms Billets Graded and Non Graded Type: Conteneous closed casted on high frequency induction furnaces. Size: 4" width x 4" hight x 12" length Specs: Being used in all sorts of steel structural products.	--	--	1) Khawaja Steels, 4 KM, Dewan Road, Eminabad, Gujranwala 2) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
455		72061000	Ingots for re-rolling / Steel Ingots of Iron and non alloy steel in primary forms (excluding iron of heading 72.03)	Size 50X50 to 15X150mm Forgeable ingots in carbon steel upto 50 tons weight Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 4) Pakistan Association of Large Steel Producers	No Change
456		72069000	Steel Ingots of Iron and non alloy steel in primary forms (excluding iron of heading 72.03)	Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Standards:JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,	No Change
			Cast iron	Casting upto 28 tons (single plece) Steel (low alloyed) casting upto 32 tons (single piece)	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 3) Pakistan Association of Large Steel Producers	No Change
			i) Ingots and Billets of plain carbon steel, spring steels alloys for re-rolling. ii) Forgable Ingots of plain carbon steel iii) Semi-finished products of iron & non-alloy steel	50mm x 50mm to 150mm x 150mm Upto 50 tons weight (single piece) Ingots upto 9000 Kg weight cast in mould/ESR processed.	Structual Steel Billets, Reinforcment Bar Steel Billets, Wire Rod Steel Billetsa, Cold Heading Steel Billets, Baling Hoops Steel Billets, Spring Steel Billets, Electrode Steel Billets, Seam-Less Steel Tubes & |Pipes	--	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,	No Change
457		72071110	Concast billets	Concast billets of square upto 150mm Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 4) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 5) Pakistan Association of Large Steel Producers,	No Change
458		72071190	Con. Cast billet, square	Con Cast (CC Billet), Square : 110, 125 & 150 mm. Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,	No Change
459		72071210	Con cast billet, Round	Con Cast (CC Billet), Round : Ø110 mm. Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			Structural steel billet for reinforcement steel bars	Sizez: 100mmx100mm, 120mm x 120mm and 150mmx150mm ASTM A-615 & BS 4449	--	Carbon (C) 0.200-0.250; Manganese (Mn) 1.250, Phosphorus (P) 0.00; Silicon (Si) 0.300; Sulphur (S) 0.002	1) S.H.Steel Re Rolling Mills, Plot 50, St 12 I-9 Industrial Area Islamabad 2) Pakistan Association of Large Steel Producers,	No Change
460		72071910	Con. Cast Bloom	Con Cast (CC Bloom), Square : 230 mm. Length : 4000 - 1200 mm	Cont cast bloom as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) All Steel Memters	No Change
461		72071920	Steel Billets	Con Cast (CC Billet), Square : 110, 125 &150 mm. Round : Ø110 mm, Length : 4000 - 1200 mm., Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers	No Change
462		72071990	Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm, Length : 4000 - 1200 mm., Hot rolled billet Square : 75, 80, 90, 100, 130 mm, Length : 4000 - 6000 mm Concast and hot rolled/square upto 150 x 150 mm and round upto 150 mm dia forged upto 200 mm rolling section.	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers	No Change
463		72072010	Con. Cast Bloom	Con Cast (CC Bloom), Square : 230 mm. Length : 4000 - 1200 mm	Cont cast bloom as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) All Steel Memters	No Change
464		72072020	Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm Length : 4000 - 1200 mm. Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
465		72072090	i) Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm Length : 4000 - 1200 mm. Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.		1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers	No Change
			ii) Reinforced Steel Bars	Grade-60, Grade-80 Sizes: No. 3 or 11 mm, No. 4 or 12 mm, No. 5 or 16 mm, No. 6 or 19 mm, No. 7 or 22 mm, No. 8 or 25 mm, No. 9 or 29mm, No. 10/32mm, No. 11/36mm, No. 12/ 40mm A-615, A-706 and as per ASTM	Yeild Strength: 60,000 psi, Tensile Strength: 90,000 psi	As per ASTM	Frontier Foundry (FF) Steel Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar.	No Change
466		72091510	Cold Rolled Coils Of a thickness 3 mm or more	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles), A 568/ A568M	Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	As per JIS G 3141 specified steel grades, ASTM A568/ A568M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi 3) BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
467		72091590	Cold Rolled Coils Of a thickness 3 mm or more	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles), A 568/ A568M	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	As per JIS G 3141 specified steel grades, ASTM A568/ A568M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi 3) BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
468		72091610	i) Cold Rolled Coils Of a thickness exceeding 1 mm but less than 3 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of a thickness exceeding 1 mm but less than 3 mm	Cold Rolled, Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
469		72091690	i) Cold Rolled Coils Of a thickness exceeding 1 mm but less than 3 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of a thickness exceeding 1 mm but less than 3 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
470		72091710	i) Cold Rolled CoilsOf a thickness of 0.5 mm or more but not exceeding 1 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of a thickness 0.5 mm or more but not exceeding 1 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
471		72091790	i) Cold Rolled Coils Of a thickness of 0.5 mm or more but not exceeding 1 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of a thickness 0.5 mm or more but not exceeding 1 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
472		72091810	i) Cold Rolled Coils Of thickness of less than 0.5 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
473		72091899	i) Cold Rolled Coils Of thickness of less than 0.5 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
474		72092510	Cold Rolled of a thickness of 3mm or more (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
475		72092590	Cold Rolled of a thickness of 3mm or more (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
476		72092610	i) Cold Rolled Of a thickness of exceeding 1 mm but less than 3 mm: (Not in Coils	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
477		72092690	i) Cold Rolled Of a thickness of exceeding 1 mm but less than 3 mm: (Not in Coils	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
478		72092710	i) Cold Rolled Of thickness of 0.5 mm or more but not exceeding 1 mm: (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
479		72092790	i) Cold Rolled Of thickness of 0.5 mm or more but not exceeding 1 mm: (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
480		72092810	i) Cold Rolled Of thickness of less than 0.5 mm: (Not in coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
481		72092890	i) Cold Rolled Of thickness of less than 0.5 mm: (Not in coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008(excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e.	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
482		72099010	i) Cold Rolled Coils Of 3 mm and above:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness 3mm or more JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of 3 mm or above	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change
483		72099090	i) Cold Rolled Coils Of 3 mm and above:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness 3mm or more JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
			iii) Cold Rolled Coils of 3 mm or above	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
484		72101210	Electrolytic Tin Plate	Tin plates, of types: - SRT1 to SR T5, having thickness 0.14 mm to 0.48 mm and width up to 965 mm - DR 8 to DR 10, having a thickness of 0.13 mm to 0.4 mm and width upto 965 mm Conforming to European Standards EN 10002-1-1990 & EN 10203 – 1-1991	--	--	Siddiqsons Tin Plate Limited, D-53, Textile Avenue, S.I.T.E., Karachi – 75700	No Change
485		72101290	Electrolytic Tin Plate	Tin plates, of types: - SRT1 to SR T5, having thickness 0.14 mm to 0.48 mm and width up to 965 mm - DR 8 to DR 10, having a thickness of 0.13 mm to 0.4 mm and width upto 965 mm Conforming to European Standards EN 10002-1-1990 & EN 10203 – 1-1991	--	--	Siddiqsons Tin Plate Limited, D-53, Textile Avenue, S.I.T.E., Karachi – 75700	No Change
486		72104110	Corrugated	Hot Dip Zinc Coated Corrugated Sheets As per all International Standards	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
487		72104190	Corrugated	Hot Dip Zinc Coated Corrugated Sheets As per all International Standards	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
488		72104910	Galvanized Steel	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	Mechanical Properties as per JIS G 3302, ASTM A 653/ A653M specifications, Dimensional tolerances as per JIS G 3302, ASTM A 924/ A924M	Chemical composition as per JIS G 3302, ASTM A 653 / A 653M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
489		72104990	Galvanized Steel	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	Mechanical Properties as per JIS G 3302, ASTM A 653/ A653M specifications, Dimensional tolerances as per JIS G 3302, ASTM A 924/ A924M	Chemical composition as per JIS G 3302, ASTM A 653 / A 653M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
490		72107020	Color Coated	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
491		72107090	Color Coated	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
492		72109010	Other	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
493		72109090	Other	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
494	Amend	72111310	Steel sheets & plates (Hot rolled)	Width : 950 mm - 1500 mm Length : Up to 3000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	Width should be less than 600mm
495	Amend	72111390	Steel sheets & plates (Hot rolled)	Width : 950 mm - 1500 mm Length : Up to 3000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	Width should be less than 600mm
496	Amend	72111410	Steel plates & sheets (Hot rolled)	Width : 1500 mm (max.) Length : Up to 12000 mm, depending upon thickness & width	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	Width should be less than 600mm
497	Amend	72111490	Steel plates & sheets (Hot rolled)	Width : 1500 mm (max.) Length : Up to 12000 mm, depending upon thickness & width	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	Width should be less than 600mm
498		72111990	Iron or Steel Strips	CR steel strips thickness range: 04 to 2.8mm sizes: available in all types and sizes	--	--	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
499	Amend	72111920	Cold Rolled Steel strips of thickness exceeding 0.5mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles) As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 3) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	PCT is for HRC not CRC. May be amended.
500	Amend	72111990	Cold Rolled Steel strips of thickness exceeding 0.5mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles) As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi	PCT is for HRC not CRC. May be amended.
501		72112920	Cold rolled steel strips of thickness below 0.5 mm and width upto 100 mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
502	Amend	72121000	Flat Rolled Products - Electrolytically plated or coated with zinc	Barrages,Sugar industry,cement plants and other industries.	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	To be coated with Tin not Zinc
503		72123010	Galvanized Steel Strips of a width less than 600 mm	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
504		72123090	Galvanized Steel Strips of a width less than 600 mm	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
505		72125010	Color Steel Strips of a width less than 600 mm	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
506		72125090	Color Steel Strips of a width less than 600 mm	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
507		72126090	i) M.S. Flat Bar (Hot Rolled)	Range 32 to 300mm Length = 6 to 12 Mtr.	ASTM A-36, SR-24, AISI-1010 and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.	No Change
	Amend		ii) Gilding Metal Clad Steel	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm-05 mm thick, in coils/sheets	Steel sheet core with 10% cladding of copper 99.9%	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
508		72131010	M.S. Bars, Deformed Bar & Tor Bar (Hot Rolled)	Range 25 to 60mm Length = 6 to 12 Mtr.	ASTM-615, ASTM A-36, SR-24, G-60 & 40 and as per Pakistan Steel and Peoples Steel Mills Standard. Yield Strength 73,000 psi Tensile Strength 94,000 psi Elongation in 8 inches 17%	As Per Standard/ Carbon = 0.27% Sulfur = 0.015% Magnese = 0.98% Phosphorus = 0.023% Silicon = 0.24%	1) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi. 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi, 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers 7) Faizan Steel,B-37/B-69, S.I.T.E., Karachi	No Change
509		72131090	i) Hot Rolled Deformed Bars of Iron or non-alloy steel	BSS-4461-1969, BSS 4449-2005, ASTM-A36-75, ASTM-615-76a (1977)	As per standard	As per standard	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers	No Change
			ii) Hot Rolled Deformed Bars of Iron or non-alloy steel	Hot Rolled; Diameter : 18 - 60 mm Length : 4000 - 8000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Hot Rolled Deformed Bars of Iron or non-alloy steel	ASTM grade 60, BS4449, DIN 488	ASTM grade 60, Tensile Strength 450N/mm sq, Yield Strength 680N/mm sq	C> 0.32%, Mn >1.3%,	1) Dost Steels (Pvt) Ltd., 101 Chapal Plaza, Hasrat Mohani Road, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-e-Azam Inter Change, Lahore 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 5) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 6) Pakistan Association of Large Steel Producers	No Change
			iv) Hot Rolled Bars and rods in irregularly wound coils of iron or non-alloy steel	Coils of deformed steel. Dia. > 5.5 mm and <12 mm. weight >75 kg. Standard: JIG G 3506-80, ASTM A 615-82 (Containing indentations, ribs, grooves or other deformations produced during the rolling process)	longation greater then 20 %. Yield strength greater 30,000 psi.	C: 0.05 % to 0.50 % Mn: 0.30 % to 0.90 % Si: 0.04 % to 0.40 % P: greater than 0.03 % S: greater than 0.03 %	1) Frontier Foundry (Pvt) Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Pakistan Association of Large Steel Producers,	No Change
	Amend		v) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
			vi) Deformed Steel Bars	ASTM-706 Grade - 60	Yield Strength min 70,000 psi Yield Strength max 75,000 psi Tensile Strength 94,000 psi Elongation in 8 inches 19%	Carbon = 0.25% Sulfur = 0.035% Magnese = 1.25% Phosphorus = 0.023% Silicon = 0.24%	Faizan Steel,B-37/B-69, S.I.T.E., Karachi	No Change
			vii) Deformed Steel Bars	BS-4449 Grade - B 500 C	Yield Strength 72,500 psi Tensile Strength 95,000 psi Elongation in 8 inches 12% - 15%	Carbon = 0.24%, Sulfur = 0.055%, Magnese = 1.25%, Phosphorus = 0.023%, Silicon = 0.24%, Copper = 0.82%, Nitrogen = 0.013%	Faizan Steel,B-37/B-69, S.I.T.E., Karachi	No Change
510		72132010	Hot Rolled Bars & Rods of Non-Alloyed (Low/Plain Carbon) Steel (Irregular Wound Coils)	6.4 mm to 300mm Length = 6 to 12 Mtr.	ASTM A-36, SR-24, AISI-1010 and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	Entry on hold as contested by local industry. Under evaluation.
511		72132090	i) Hot Rolled Bars & Rods of Non-Alloyed (Low/Plain Carbon) Steel (Irregular Wound Coils)	6.4 mm to 60 mm dia	--	--	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers	Entry on hold as contested by local industry. Under evaluation.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Hot Rolled Bars and rods in irregularly wound coils of iron or non-alloy steel (Other, of free cutting steel)	Steel wire-rod (with no indentation or ribs). Diameter of greater than 5.5 mm and less 12 mm. Coil weight of greater than 75 kg. Standard: JIG G 3506-80, ASTM A 615-82 SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	Elongation greater then 20 %. Yield strength greater 30,000 psi.	C: 0.05 % to 0.50 % Mn: 0.30 % to 0.90 % Si: 0.04 % to 0.40 % P: greater than 0.03 % S: greater than 0.03 %	1) Frontier Foundry (Pvt) Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 5) Pakistan Association of Large Steel Producers	Entry on hold as contested by local industry. Under evaluation.
512		72139110	i) Hot rolled (non- alloy) Steel Wire Rod measuring 5.5mm to 12 mm in diameter	SWRH 42A to 42 B, Medium Carbon ASTM. JIS, All International Spec's	Plain Round	SWRH 42 A to 42 B C% = 0.39/0.46, Mn% = 0.40/0.80, P% Max = 0.030, S % Max = 0.030, Si% = 015/0.30	ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	Entry on hold as contested by local industry. Under evaluation.
	Amend		ii) Hot rolled (non-alloy) Steel Wire Rod measuring 5.5mm to 22 mm in diameter	SWRY11, EWNR, SWRM6, Q195L, SAE1006, SWRM8, Q195, ML08, SAE1008, SWRM10, SAE1010, SWRM12, SAE1012, SWRM15, SAE1015, SWRM18, SAE1018, SWRM20, SAE1020, SWRM22, SAE1022, SWRH27A, SAE 1025, SWRH32, SAE 1030, SWRH37, SAE1035, SWRH42A, SAE1040, SWRH42B, SAE 1045	As per SAE, AISI, ASTM, EN, JIS and other International Standards	0.05% - 0.50% C, % of Si and Mn as per SAE, AISI, ASTM, EN, JIS and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
513	Amend	72139191	i) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	Entry on hold as contested by local industry. Under evaluation.
	Amend		ii) Hot Rolled (Non-Alloy) Steel Wire Rod in irregular wound coils of circular cross section measuring 5.5mm to 22mm in diameter.	SWRY11, EWNR, SWRM6, Q195L, SAE1006, SWRM8, Q195, ML08, SAE1008, SWRM10, SAE1010, SWRM12, SAE1012, SWRM15, SAE1015, SWRM18, SAE1018, SWRM20, SAE1020, SWRM22, SAE1022, SWRH27A, SAE 1025, SWRH32, SAE 1030, SWRH37, SAE1035, SWRH42A, SAE1040, SWRH42B, SAE 1045	As per SAE, AISI, ASTM, EN, JIS and other International Standards	0.05% - 0.50% C, % of Si and Mn as per SAE, AISI, ASTM, EN, JIS and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
514		72139199	i) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	Entry on hold as contested by local industry. Under evaluation.
	Amend		ii) Hot Rolled (Non-Alloy) Steel Wire Rod in irregular wound coils of circular cross section measuring 5.5mm to 22mm in diameter.	SWRY11, EWNR, SWRM6, Q195L, SAE1006, SWRM8, Q195, ML08, SAE1008, SWRM10, SAE1010, SWRM12, SAE1012, SWRM15, SAE1015, SWRM18, SAE1018, SWRM20, SAE1020, SWRM22, SAE1022, SWRH27A, SAE 1025, SWRH32, SAE 1030, SWRH37, SAE1035, SWRH42A, SAE1040, SWRH42B, SAE 1045	As per SAE, AISI, ASTM, EN, JIS and other International Standards	0.05% - 0.50% C, % of Si and Mn as per SAE, AISI, ASTM, EN, JIS and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
515		72139990	i) Steel Wire Rod	5.5mm to 12 mm SWRH 42A to 42 B, Medium Carbon ASTM. JIS, All International Spec's	Plain Round	SWRH 42 A to 42 B C% = 0.39/0.46, Mn% = 0.40/0.80, P% Max = 0.030, S % Max = 0.030, Si% = 015/0.30	1) Sandal Bar Rolling Mills (Pvt) Ltd., 1st Floor 48 Nishtar Road, Lahore 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Pakistan Association of Large Steel Producers	No Change
			ii) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
	Amend		iii) Hot Rolled (Non-Alloy) Steel Wire Rod in irregular wound coils of circular cross section measuring 5.5mm to 22mm in diameter.	SWRY11, EWNR, SWRM6, Q195L, SAE1006, SWRM8, Q195, ML08, SAE1008, SWRM10, SAE1010, SWRM12, SAE1012, SWRM15, SAE1015, SWRM18, SAE1018, SWRM20, SAE1020, SWRM22, SAE1022, SWRH27A, SAE 1025, SWRH32, SAE 1030, SWRH37, SAE1035, SWRH42A, SAE1040, SWRH42B, SAE 1045	As per SAE, AISI, ASTM, EN, JIS and other International Standards	0.05% - 0.50% C, % of Si and Mn as per SAE, AISI, ASTM, EN, JIS and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
516		72141010	i) Bars, iron or non alloy steel, forged, hot-rolled	Press forging: Shafts:Dia 700 mm(max.), Disc dia:1500 mm(Max), Length:8000 mm(max.) Weight:12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30-150 mm & width 60-180 mm, Length 4000-6000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			ii) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change
517		72141090	i) Bars, iron or non alloy steel, forged, hot-rolled	Press forging: Shafts:Dia 700 mm(max.), Disc dia:1500 mm(Max), Length:8000 mm(max.) Weight:12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30-150 mm & width 60-180 mm, Length 4000-6000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			ii) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change
518		72142010	i) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Hot rolled, deformed bars	Hot Rolled; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change
			iii) Rolled Profiles	Containing indentation ribs, grooves or Others deformations produced during the rolling process or twisted after rolling, 6.4 mm to 60 mm dia	--	--	1) Shalimar Steel, Karachi 2) Razzaque Steel (Pvt) Ltd.Karachi 3) Amreli Steels (Pvt) Ltd., D - 89, Shershah Road SITE, Karachi 4) New Shalimar Steel, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
519		72142090	i) Hot rolled, deformed bars	Hot Rolled; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change
			ii) Rolled Profiles	Containing indentation ribs, grooves or Others deformations produced during the rolling process or twisted after rolling, 6.4 mm to 60 mm dia	--	--	1) Shalimar Steel, Karachi 2) Razzaque Steel (Pvt) Ltd.Karachi 3) Amreli Steels (Pvt) Ltd., D - 89, Shershah Road SITE, Karachi 4) New Shalimar Steel, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
520		72143010	i) Steel Bars and Rods	Free cutting steel, 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
			ii) Bars of free-cutting steel, hot-rolled, forged	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change
521		72143090	i) Steel Bars and Rods	Free cutting steel, 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
			ii) Bars of free-cutting steel, hot-rolled, forged	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
522		72149110	i) Steel Bars and Rods	Rectangular (other than square) Cross Section 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
			ii) Steel Flat Bars	Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi	No Change
523		72149190	i) Steel Flat Bars	Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi	No Change
			ii) Steel Bars and Rods	Rectangular (other than square) Cross Section 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad	No Change
524		72151010	i) Bars and Rods	5.5 mm to 12 mm in coils	--	--	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Pakistan Association of Large Steel Producers	No Change
			ii) Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	No Change
525		72151090	Bars and Rods	5.5 mm to 12 mm in coils Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	--	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	No Change
526		72155010	Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
527		72155090	Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers	No Change
528		72159010	Bars and rods of iron or non-alloy steel	As per Standard	As per Standard	As per Standard	1) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd. D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers	No Change
529		72159090	Bars and rods of iron or non-alloy steel	As per Standard	As per Standard	As per Standard	1) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd. D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers	No Change
530		72161000	Steel Sections (U, I or H) not further worked than hot- rolled, hot- drawn or extruded, of a height of less than 80 mm	- Thickness upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm^2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm^2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-e-Azam Inter Change, Lahore 4) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 5) Pakistan Association of Large Steel Producers	No Change
531		72162100	L sections, not further worked than hot-rolled, hot drawn or extruded, of a height of less than 80mm	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi	No Change
532		72162200	T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of less than 80mm	Range 50 x 50 to 150 x 150mm Length = 6 to 12 Mtr.	(ASTM A-36, SR-24, A572, SRJ 275) and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
533		72163110	U sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	U sections of a height exceeding 150mm Size: 304mm x 100mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
534		72163190	U sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	U sections of a height above 80mm upto 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
535		72163210	I sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	I sections of a height exceeding 200mm Size: 457mm x 175mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
536		72163290	I sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	Range 100 x 50 to 300 x 150mm Length = 6 to 12 Mtr.	(ASTM A-36, SR-24, A572, SRJ 275) and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
537		72163310	H sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	H sections of a height exceeding 250mm Size: 254mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
538		72163390	H sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	As per BSS-4461-1969, ASTM A-36, SR-24, A572, SRJ 275, ASTM-A36-75, ASTM-615-76a (1977) Range 100 x 100 to 200 x 200mm Length = 6 to 12 Mtr.	as per Pakistan Steel and Peoples Steel Mills Standard.	As per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.	No Change
539		72164010	L or T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	of a height exceeding 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
540		72164090	L or T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	of a height above 80mm upto 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre	No Change
541		72165000	Steel Sections	- Th. upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	--	--	1) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 2) Pakistan Association of Large Steel Producers	No Change
542		72169100	Steel Sections	- Th. upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	--	--	1) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 2) Pakistan Association of Large Steel Producers	No Change
543		72171000	i) Wire, Iron or non-alloy steel, not plated or coated,	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	As per Standard	As per Standard	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
			ii) Wire for wheel spoke and wire for wheel nipple for two wheelers	AISI 12L14, YBT 5005-93, BS 2453, IS 6902	As per specs	As per specs	1) Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore	No Change
			iii) Spring wire for front shocks, rear shocks for two wheelers, spring wire for mattress, spring wire for clutch spring and other applications.	JIS G 3522, GB 4357, SWRH 65Mn, A 407, JIS G 3521, A 227/A 227 M ASTM, DIN 17223, DIN EN 10132	As per specs	As per specs		No Change
			iv) Casing wire of Inner Strand Core for Clutch, Brakes, Throttle cables v) Phosphorized Steel Wire for Optical Fiber Cable, vi) Steel Fiber Wire for Steel Fiber Reinforce Concrete Slab	JISG3521, Q/320601, EA 11-1998 JIS 3521, 05/30(35), 06/30(35), 07/30(35) 07/40/(45), 10/40(50)	As per standard	As per standard	Pakistan Wire Industries E-51, Textile Avenue, SITE, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
544		72172000	i) Zinc or Zinc Alloy Coated Wire for armouring of power cables/ Zinc Coated Steel Wire for ACSR/ Galvanized Wire	BS EN10257-1, ASTM A-164, ASTM B633, ASTM A121, ASTM B498, BS 4565, BS 3533	As per Standard	As per Standard	Pakistan Wire Industries E-51, Textile Avenue, SITE, Karachi	No Change
			ii) Galvanized Carbon Steel Wire For Communication Cable and Optical Fiber Cable, Galvanized Wire For Reinforce Hose/Pipes	GB 346-84 GB3082-84 JIS 3521	As per standard	As per standard		No Change
			iii) Electrogalvanized wire/ Hot dipped galvanized wire (soft/hard) for stranded inner wire, inner wire rope, netting, fencing, stitching and other applications	BS EN10257-1, ASTM A-164, ASTM B633, ASTM A121, ASTM B498, BS 4565, BS 3533 and other relevant specifications	As per standard	As per standard		No Change
545		72181000	Ingots & Billets in primary forms, stainless steel	Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc.	Air cooled, stress relieved or annealed, bottom poured ingots	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
546		72189100	i) Stainless Steel Ingots	- Ingots and other primary forms - Of rectangular (Other than square cross section)	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore	No Change
			ii) ESR Steel Ingots	M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length:3000 mm(max.), Weight:9000 Kg. (max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
547		72189900	ESR Steel Ingots	M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length : 3000 mm (max.), Weight : 9000 Kg. (max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
548		72191100	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
549		72191200	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
550		72192100	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
551		72192200	i) Flat Rolled plates of stainless steel	Thickness upto 10 mm, width upto 700 mm and length upto 3 M (Although thicker plates, flats upto 60 mm are also made in non standard sizes) Conforming to all grades of AISI 300 & 400 series and equivalent	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore	No Change
			ii) Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
552		72192310	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
553		72192390	i) Sheets of stainless steel	0.35-6 mm thick, width upto .75 M and length upto 3 M.	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore	No Change
			ii) Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
554		72193100	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
555		72193210	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
556		72193290	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
557		72193310	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
558		72193390	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
559		72193410	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
560		72193490	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
561		72193510	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
562		72193590	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
563		72199010	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
564		72199090	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
565		72201290	Strips of stainless steel.	1-6 mm thick, width 200 mm	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore	No Change
566		72202010	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
567		72202090	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore	No Change
568		72221100	Steel Round Bars	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
569		72221900	Bars of stainless steel, hot-rolled	- Of circular cross section - Bars & rods, not further worked than cold formed or cold finished Flat Bars: Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm - Other bars & rods Dia 20 mm and above	--	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Mughal Steel, 77 K.M. Sheikhupura Road, Lahore 2) G.M. Steel, Lahore 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
570		72222000	Cold draw stainless steel bars	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Bright surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
571		72241000	Ingots	Highly refined cast ingots and billets in flat rectangular, round and square sections. Weight ranging from 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed, bottom poured ingots	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
572		72249000	ESR steel ingots	ESR Ingots: M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length:3000 mm(max.), Weight:9000 Kg.(max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
New	New	72251900	Insulated Cold Rolled Non-Grain Oriented Electrical Steel	GB /T 2521 (50W800), 0.50mm	Tensile Strength: 300 Mpa (min), Elongation: 22% (min)	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	Added as per request
573		72253000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
574		72254000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
575		72255000	Cold Rolled of a width of 600 mm or more	Cold Rolled Alloy Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
576		72259200	Galvanized Steel	Hot Dip Zinc Coated Alloy Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
577		72259900	Other / Color Coated Alloy Steel	Hot Dip Zinc Color Coated Alloy Steel Sheets, Strips and Coils, As per JIS G-3302, ASTM A-653	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	No Change
New	New	72261900	Insulated Cold Rolled Non-Grain Oriented Electrical Steel	GB /T 2521 (50W800), 0.50mm	Tensile Strength: 300 Mpa (min), Elongation: 22% (min)	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi	Added as per request
578		72262000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
579		72269100	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
580		72269200	Cold Rolled of less than 600mm	Cold Rolled Alloy Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
581		72269900	i) Plates & Sheets (Hot rolled)	Plate: Th:10 mm (min.), Width:1500 mm(max.), Length:4000-6000 mm Sheets:Th. 3 mm(max.), Width:950 mm(max.), Length : 3000 mm (max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			ii) Galvanized Steel of less than 600mm	Hot Dip Zinc Coated Alloy Steel Sheets, Strips and Coils, As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi	No Change
582		72279010	i) Hot Rolled Bars of alloy steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977) / SAE 1006CR, SAE 1008CR, SAE 1010CR, SAE 1015CR, SAE 1020CR, SAE 1025CR, SAE 1030CR, SAE 1038CR, SAE 1040CR	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Pakistan Association of Large Steel Producers	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Amend		ii) Hot Rolled (Alloy) Steel Wire Rod in irregular wound coils of circular cross section measuring 5.5mm to 22mm in diameter.	SWRCH6A, SAE1006CR, SAE1006AK, SAE1006B, SWRCH8A, ML08AL, SAE1008CR, SAE1008AK, SAE1008B, SWRCH10A, SAE1010CR, SAE1010AK, SAE1010B, SWRCH12A, SAE1012CR, SAE1012AK, SAE1012B, SAE 1015CR, SAE 1018CR, SAE 1020CR, SAE 1022CR, SAE 1025CR, SAE 1030CR, SAE 1035CR, SAE 1040CR, SAE 1045CR	As per SAE, AISI, ASTM, EN, JIS and other International Standards	0.05% - 0.50% C, Si, Mn, Cr, Al, B contents as per SAE, AISI, ASTM, EN, JIS and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
583		72279090	i) Hot Rolled Bars of alloy steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977) / SAE 1006CR, SAE 1008CR, SAE 1010CR, SAE 1015CR SAE 1020CR, SAE 1025CR, SAE 1030CR, SAE 1038CR, SAE 1040CR	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Pakistan Association of Large Steel Producers	No Change
	Amend		ii) Hot Rolled (Alloy) Steel Wire Rod in irregular wound coils of circular cross section measuring 5.5mm to 22mm in diameter.	SWRCH6A, SAE1006CR, SAE1006AK, SAE1006B, SWRCH8A, ML08AL, SAE1008CR, SAE1008AK, SAE1008B, SWRCH10A, SAE1010CR, SAE1010AK, SAE1010B, SWRCH12A, SAE1012CR, SAE1012AK, SAE1012B, SAE 1015CR, SAE 1018CR, SAE 1020CR, SAE 1022CR, SAE 1025CR, SAE 1030CR, SAE 1035CR, SAE 1040CR, SAE 1045CR	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	Entry on hold as contested by local industry. Under evaluation.
584		72281000	High-speed steel, Forged	Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30 - 150 mm & width 60 - 180 mm, Length 4000 - 6000 mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
585		72282010	Silico-manganese steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
586		72282090	Silico-manganese steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
587		72283010	Case hardening steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm	Black surface, See Annex-II	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
588		72283090	Other alloy steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
589		72284000	Alloy steel, Forged bars	Press forging: Shafts : Dia 700 mm (max.) Disc dia : 1500 mm (Max) Length : 8000 mm (max.) Weight : 12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30 - 150 mm & width 60 - 180 mm, Length 4000 - 6000 mm	Black surface/ Machined	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
590		72285000	Alloy steel, Cold drawn bars	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Bright surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
591		72286000	Other alloy steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
592		72287000	Alloy Steel Angles	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	As per Standard	As per Standard	Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi	No Change
593		72299000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	1) Bead Tech (Pvt) Ltd. 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore 2) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi	No Change
594		73012000	i) Stay Strip for Pcc Poles	WAPDA Specification, DP-PD-52	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			ii) Stay Rod	WAPDA Specification, DDS-29:2008	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			iii) Earth Rod	WAPDA Specification, P-111-76	--	--		No Change
			iv) D-Shackle	WAPDA Specification, PD:68	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			v) Single/Double Structure Plateform	WAPDA Specification, DDS:48:2008	--	--		No Change
			vi) 11 Kv Streel Cross Arm with Braces	WAPDA Specification, DDS-13:2008	--	--		No Change
			vii) 11 Kv Streel Cross for D-Mounting Fitting	WAPDA Specification, DDS-68:2004	--	--		No Change
595		73024000	Fish-plates, iron or steel	Fish Plates for Railways	Fish Plate Combination, Joggled Fish Plate, Slotted Fish Plates and Fish Plate bolts and nuts etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi	No Change
596		73030000	Cast Iron and Ductile Pipes	B.S.S 2035 for cast iron and I.S.O 2531 for ductile Iron Pipes [Excluding ASTM Standard Pipes]	Cast Iron and Ductile Iron	Grade 14 Mechanite Type GD and NF A 38-012	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore	No Change
597		73041100	Line Pipe for oil or gas pipelines (Stainless Steel)	Seamless Steel Line Pipes of All Kind used for Oil & Gas Pipelines with or with out 3 layer Polyethylene /polypropylene / Fusion Bond Coating. Specification: API 9 Cr, API 13 Cr. Sizes: 0.405" to 10.750" Wall Thickness: 1.73mm to 15.9mm Length: SRL & DRL (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi	No Change
598	Add	73041900	Seamless Steel Line Pipes (unthreaded)	Seamless Steel Line Pipes of All Kind used for Oil & Gas Pipelines with or with out 3 layer Polyethylene /polypropylene / Fusion Bond Coating. Specification: API 5L All Grades Sizes: 1/8 Inch to 10 Inch Nominal Dia. (Including internally and externally coated pipes from 2 Inch Dia to 100 Inch Dia)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added
599		73042900	Seamless Pipes (unthreaded)	Casing & Tubing of a kind used in Drilling for Oil & Gas. Specification: API 5 CT All Grades Sizes:1/8 inch to 10 inch nominal dia. (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi	No Change
600	Add	73043100	Pipes, Iron or non-alloy steel (unthreaded)	Seamless Steel Pipes / Tubes of other cross-section, of iron or non-alloy steel. Specification : ASTM A 53 / ASTM A 106 , ASTM A 192, ASTM A 199, ASTM A 210, ASTM A 213, ASTM A 519, DIN 2391, DIN 2440, DIN 2441,DIN 2448, DIN 1629, DIN 1630, DIN 17173 / 2448, DIN 17175 / 2448 JIS G 3464, JIS G 3444, BS – 1387. BS 3059, BS, 3059/2, BS 1775, BS 6323, NFA 49 – 112, NFA 49 – 1445, NFA 49-211 UNI 8863; Sizes: 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
601	Add	73043900	Pipes of circular cross-section, of iron or non-alloy steel	Specification: ASTM A 53 / ASTM A 106 , ASTM A 192, ASTM A 199, ASTM A 210, ASTM A 213, ASTM A 519. DIN 2391, DIN 2440, DIN 2441,DIN 2448, DIN 1629, DIN 1630, DIN 17173 / 2448, DIN 17175 / 2448 JIS G 3464, JIS G 3444 BS – 1387. BS 3059, BS, 3059/2, BS 1775, BS 6323 NFA 49 – 112, NFA 49 – 1445, NFA 49-211 UNI 8863 Sizes : 10.3 mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added
602		73044100	Cold Drawn or Cold Rolled (Cold Reduced) Pipes / Tubes	Seamless Steel Pipes/ Tubes other cross- section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 53, ASTM A 106, ASTM A 179, ASTM A 192, ASTM A 210, ASTM A 519, API 5L, DIN 17175, JIS STB 35S Sizes: 10.3mm to 273mm (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi	No Change
603		73044900	Cold Drawn or Cold Rolled (Cold Reduced) Pipes / Tubes	Seamless Steel Pipes/ Tubes other cross- section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 53, ASTM A 106, ASTM A 179, ASTM A 192, ASTM A 210, ASTM A 519, API 5L, DIN 17175, JIS STB 35S Sizes: 10.3mm to 273mm (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi	No Change
604	Add	73045100	Pipes of Iron or non-alloy steel (unthreaded)	Seamless Steel Pipes / Tubes other cross-section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes: From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added
605	Add	73045900	Tubes of alloy steel,seamless circular cross-section (unthreaded)	Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes : From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added
606	Add	73049000	Pipes of Iron or steel, seamless (unthreaded)	Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes: From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	1) Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi **2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi**	Name of PSM added

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
607		73051100	i) Longitudinally Welded Pipes	ASTM A-134, ASTM A-381, ASTM A-409, ASTM A-589, ASTM A-671, ASTM A-672, ASTM A-139, ASTM A-252, BS-6323,ASTM A-139, A-120, A-653	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
			ii) Welded Steel Linepipe	M.S. and Galvanized Steel Line Pipes (ERW) from 1/2" to 18" BSS 1387/1985, API 5L (PSLI), ASTM A53	HR-1, HR-2, HR-3, HR-4, HR-235, HR-274, API 5L-B API 5L X42	--	Jamal Pipe Industries (Pvt) Ltd; 88-Railway Road, Lahore	No Change
			iii) Helical Seam Submerged - Arc Welded Pipes (Spiral Welded Pipes)	219.mm upto 2438. mm in thickness of 4.0mm and upto 25.4mm and API Steel Grade Upto X-80 PSL-2 According to API-DIN-BS-AWWA-ASTM Standard. (Protective Coating both internal as well as external coating of these pipes i.e. 3 layer Poly Ethylene/ Poly Propylene Coating as per DIN 30670, CSA Z 425.20 and CSA Z 245.21]	As per API 5L	According to API Specs	Data Steel Pipe Industries (Pvt.) Ltd., Ibrahim Building, 20-West Wharf Road, Karachi	No Change
			iv) Steel Line Pipe	Spirally welded (Submerged arc Welded): a) Bare: Size : 6" to 126" dia, Grade upto X-80 API-5L ASTM and BS specification b) Coated with 3 layers: Polyethylene, /Polypropylene, Copolymer(Adhesive),Fusion Bonded Epoxy for 6" to 60" Dia Linepipe <u>Electric Welded</u> a) Bare: Size: ½ to 12" , ERW/EIW (straight seam), upto Grade API X-52, ASTM, BS Specification b) Galvanized Iron., ERW/EIW, ASTM, and BS Standard	As per Table 5 3 A and 3 B of API Specification 5 L, ASTM and BS Specifications. As per table 3A of API. Specification 5L, ASTM and BS Specifications	As per table 2A and 2B of API specification 5L, ASTM and BS specifications As per table 2A of API specification-5L, ASTM of BS Specification	1) Ramna Pipe Lahore 2) Shalimar Pipe Mills Lahore 3) Indus Steel Pipes Ltd., 7th Floor, PIC Tower, 32-A, Lalazar Drive Karachi 4) Shashi Steel Pipe Works, Karachi	No Change
608		73051900	i) Line Pipe for oil or gas pipelines	Longitudinally Welded Pipes: ASTM A-139, A-671, A-672, A-381, A-120, A-653, A-A-252, A-409, BS-6323	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
			ii) Welded Steel Pipe and Coating	Upto 120" diameter, wall th. upto 25.4mm, grade API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
609		73053100	i) Steel Line Pipe	Longitudinally Welded Pipes: ASTM A-139, A-671, A-672, A-381, A-120, A-653, A-A-252, A-409, BS-6323	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Carbon Steel Pipe/ Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
610		73059000	Welded Steel Pipe and Coating	Upto 120" diameter, wall thickness upto 25.4mm grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating External & Internal Epoxy Coating Tape Coating External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
611		73061900	i) C.I. Tubes with special Rubber Seals	For Carbonating Tower and for Ammonia Gas Cooler	--	--	1) Heavy Mechanical Complex, Taxila 2) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
			ii) Welded Steel Pipe and Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
			iii) Steel line pipe for fluid/gas transmission pipes	1/2" to 12" diameter 1.8 mm to 12.7 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
612		73063090	i) Hot-dipped galvanized steel pipes for water, gas, structural and other applications	3/8" to 8" diameter 1.8 mm to 7.11 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
			ii) ERW black pipe for structural, firefighting and pressure applications	3/8" to 12" diameter 1.60 mm to 12.7 mm Wall Thickness	As per Standard	As per Standard		No Change
613		73064000	Stainless Steel ornamental tubes (circular)	1/2" to 3" diameter 0.9 mm to 2.5 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
614		73065000	i) Welded Steel Pipe and Coating excluding High Tensile Steel Pipe (590MPa) Dia=19.1mm, (1765 Mpa) Dia=22.2mm, or Dia=25.4mm, used in auto sector	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
			ii) Pipes made from alloy steel	3/8" to 12" diameter 1.6 mm to 12.7 mm Wall thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
615		73066100	i) Stainless Steel ornamental tubes (squares/rectangles) excluding Internally Coated, Size: 30x40x1.5 mm, Length: 5.3 Mtrs, used in auto sector	Square: ½ "x ½" to 2" x 2" Rectangle: ½ "x ¾ " to 1 ½ "x 3" 1mm to 2.5 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Cold-rolled tubes shapes (non-circular)	Square: 10x10mm to 60x60 mm, 0.6mm to 2.0mm wall thickness Rectangle: 10x20mm to 40x80mm 0.6mm to 2.0mm wall thickness Oval: 16x30mm to 30x50 mm, 1.2mm to 2.0mm wall thickness Elliptical: 13x23mm to 24x56 mm, 0.90mm to 1.60mm wall thickness	As per Standard	As per Standard		No Change
616		73066900	Cold-rolled LTDZ profiles (non-circular)	LTZ and D profiles for door and window frames, Dia / Shape: L40, T48, L48, Z48, L55, T60, Z60, D60. Wall thickness 0.7mm to 1.20mm.	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
617		73069000	i) Pipes of Iron or steel excluding Aluminized Pipe (Not in Cut-to-Size), Dia=54mm, Th: 1.60mm used in auto sector	GI pipes: Dia.15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150 mm (½", ¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5" & 6"), Wall Th. from 1.80mm to 7.10mm, Standards: BS 1387 (1985), ASTM A53 (2002), DIN 2440 & 2441 and other upon request. Precision Steel Tubing Diameters: Round:12.70, 15.90, 17.50, 19.05, 22.20, 23.80, 25.40, 28.60, 31.80, 38.10, 42.20, 48.10 & 60.30 Wall Th.0.60mm to 2.0mm, Standards BS 6323 Part1 & 5 (1982) Shape: Square, Rectangle & Elliptical in equivalent size to above round dia. API Line Pipe for Gas Distribution, Dia.26.7, 3304, 60.3, 114.3 & 168.3mm (¾", 1", 2", 4" & 6", Wall Th. from 2.87 to 7.10 mm Standards: API 5L (Latest Edition) ASTM A53 (2002) and profiles for Door & Windows Frames Diameter / Shape: L40, T48, Z48, L55, T60, Z60 Wall Th. From 0.70mm to 0.90mm Standard: IIL Standard (excluding internally	As per Standard	Low carbon steel	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change
			ii) Hot-dipped GI pipes for water, gas, structural & other applications	3/8" to 8" dia., 1.8-7.11 mm Wall Th.	As per Standard	As per Standard		No Change
			iii) ERW black pipe for structural, firefighting and pressure applications	3/8" to 12" dia., 1.60-12.7 mm Wall Th.	As per Standard	As per Standard		No Change
			iv) Cold rolled tubes-Circular cross-section	9-75.6 mm dia., 0.6-3.0 mm Wall Th.	As per Standard	As per Standard		No Change
			v) Welded Steel Pipe and Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400	No Change
			vi) API 5L Steel Line Pipe	Longitudinally welded pipe: Dia 1/2" to 12", upto grade X-60 for PSL1 & PSL2	As per API 5L specifications	As per API 5L specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore	No Change
			vii) MS Pipe	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53 and BS EN 10219 specifications	As per ASTM A53 and BS EN 10219 specifications		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			viii) GI Pipes	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53/A795 and BS EN 10255/EN 39 specifications	As per ASTM A53/A795 and BS EN 10255/EN 39 specifications		No Change
			ix) Hollow Structural Sections	Longitudinally welded pipes: dia 1/2" x 12" to 12" x 12"	As per ASTM A53/A500/A252 specifications	As per ASTM A53/A500/A252 specifications		No Change
			x) Scaffolding Pipes	Longitudinally welded pipes: dia 48.3 mm	As per BS EN 39 specifications	As per BS EN 39 specifications		No Change
			xi) Metallic Sprinkler Pipe for Fire Protection	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53 and UL 852 specifications	As per ASTM A53 and UL 852 specifications		No Change
618		73072100	i) Stainless Steel Flanges	Different types of flanges as per customer requirement	All Steel & SS Flanges and Flanges of Standard ANSI B16.5 etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi	No Change
			ii) Pipe flanges and Fittings	For Boilers and Heat Exchangers			Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi	No Change
619		73072300	Stainless Steel Buttweld Pipe Fittings	Elbow and Reducers" Dia. 15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150mm (1/2", 1/4", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5" & 6") wall th. From 2.11mm to 10.97mm Standards: ANSI B16.9, B16.28			Burhani AQMS Industries (Pvt) Limited. A-31, Burhani Industrial Park, Lasbela, Hub, Balochistan	No Change
620		73079300	Mild Steel Buttweld Pipe Fittings	Elbow and Reducers" Dia. 15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150mm (1/2", 1/4", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5" & 6") wall th. From 2.11mm to 10.97mm Standards: ANSI B16.9, B16.28			Burhani AQMS Industries (Pvt) Limited. A-31, Burhani Industrial Park, Lasbela, Hub, Balochistan	No Change
621		73079900	i) Double Studded Adaptors, Adaptor Spools, Blind Flanges / Weldneck Flanges / Flanges (Threaded)	Size: 2-1/16" to 30", Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140	MEC Energy, Plot No. 80-D, Street No. 6, Industrial Area Sector I-10/3, Islamabad	No Change
			ii) Weco Cross Over & Weco Adpator Flanges	Size: 2" to 5", Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140		No Change
			iii) Threaded Cross Overs, Saver, Float, Bit & Lifting Subs	Size: 2-3/8" to 8-5/8", API Regular / IF	API Spec 7-1/6A	AISI 4130 / 4140 /410 (SS)		No Change
			iv) Service Tee	3/4" with plug	Elongation 30%, Tensile 70 Ksi/Min	ASTM A-126, C-0.20%, Si-0.21%, Mn-0.52	Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi	No Change
	Add		v) Steel to PE Transition Pieces	SNGPL Specifications, Plastic Pipe MDPE & Steel Pipe as per API-5L	Operating Pressure 60 psig, Sizes: 3/4", 1-1/4", 2" and 4"	MDPE resistant to natural gas and steel pipe epoxy powder coated	1) Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore. **2) Hussaini Trading Co., Plot No. 53, Sector 6, New Karachi Industrial Area, Karachi.**	Hussaini Trading added as per request
622		73081000	i) Fabricated Steel Profiles	Plate fabricated I & H Sections Maximum height, width and Flange/Web thickness of Sections= 2500 mm, 800 mm, 30/25 mm respectively AISI, BS-5400	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		ii) Steel Buildings and Structure	Steel Structure for platforms, Gantries, Steel piles casing for following industries: 1. Oil & Gas fields 2. Oil Refineries 3. Fertilizer Industries 4. Cement Plants 5. Sugar Mills 6. Flood light Masts 7. Lattice type towers 8. Jetties & Terminals 9. Industrial Sheds 10. Multistoried Residential and Commercial Buildings, constructed with Steel Structure. In accordance to AISC,AISI, BS 5400, AWS - D.1.1.Masts, towers, plate girders, columns, supports, staging, walkways, factory sheds, grid and yard structures, platforms for all industrial plants (cement, sugar fertilizer, chemical, petro-chemical, oil refineries & processing, Sewage-water treatment) Industrial buildings, 20x70m to 30 to 100m.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila 4) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **6) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
	Add		iii) Industrial steel equipment	Ducts chutes, draughts, chimneys, cyclones, etc for all industrial plants (cement, sugar fertilizer, chemical, petro-chemical, oil refineries & processing, Sewage- water treatment) Plate fabricated (required by any industry) Carbon Steel (CS), Stainless Steel (SS) and Alloy Steel - All grades	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 3) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **5) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
	Add		iv) System and Steel Frameworks	--	--	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **2) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
623		73082000	i) Iron or Steel Towers; (Communication / Transmission Towers) ii) Steel Wind Tower/ Steel Mast iii) Flood Light Towers	(i) L-Type, Monopole, Tubular, Antenna Pole (Sizes 3mtr. to 85 mtr. height) (ii) Windmill Tower (Load carrying capacity upto 200 Tons (as per requirement) iii) Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter. iv) Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila 5) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
			iv) Masts, lattice and jetties of Iron or steel, for ships	1) Breasting Dolphins for Jetty upto 35000 mm long and 2300 mm diameter. 2) Mooring Dolphins for Jetty upto 17500 mm long and 1020 mm diameter. 3) Piles for Jetty upto 33500 mm long and 609 mm diameter.In all types and sizes (excluding internally coated pipes)	--	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700	No Change
			v) Power Transmission Towers of Iron or Steel	11 Kv, 132 Kv, 220 Kv, 500 Kv Steel Structures	Angles, Plates and Hardware of M.S., H.T. of grade DIN17100, S355 JR, ASTM A572/572M grade 50, ASTM A394 Type 0, ISO 898 grade 5.8, 6.8 and 8.8, ASTM A36/A36M	--	Pakistan Engineering Company Limited, 6/7, Ganga Ram Trust Building, The Mall, Lahore	No Change
			vi) Lt Steel Structures 31 ft vii) HT Steel Structures 36 ft 40 ft 45 ft	WAPDA Specification DDS-78:2008	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			viii) 11kV Steel Structure	--	Y-25kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore	No Change
			ix) 132/220kV Transmission Line Towers	P139:80, P163:82	Y-26kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05		No Change
			x) 132/220kV Sub-Station Steel Gantries	P139:80, P163:82	Y-35kg/mm2, T-50~80kg/mm2	C-.20, M-1.36, S-0.005, P-0.05		No Change
			xi) Telecommunication Tower (Self Supported Towers, Guyed Mast Towers, Monopoles & Releated Accessories) xii) Steel Lighting Tubular & Octangonal Poles& 132kV Tubular Pole	ASTM A-36	Y-250Mpa, T-400~500Mpa	C-.26, M-0.84, S-0.005, P-0.05		No Change
			xiii) Steel Structures	Ranging Capacities to Client's Requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
624		73083000	i) Towers of iron or steel	Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
	Add		ii) System and Steel Frameworks	--	--	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **2) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
			iii) Fire rated standard door, UL door, Fire shutt sliding door, emergency fire door, Ms hallow metal doors.	High quality mild steel, SS 304, 316.	as per standard of UL 10C and NFPA 252.	Miled steel	1) SAMCON Associates 838-B Sabzazar Scheme Multan Road, Lahore. 2) Ambala Engineering, 96 B Block, Sabzazar Scheme Scheme, Multan Road, Lahore.	No Change
625		73084000	i) Towers of iron or steel	Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
			ii) System and Steel Frameworks	--	--	--	Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
	Amend		iii) Following Equipment for Scaffolding and Structural Sections: 1) Ring Lock Ledger (upto 10ft), 2) Ringlock Standard (Length: 0.5m to 3m), 3) Diagonal (upto 10 ft), 4) Toe Board, 5) Steel Staircase, 6) Standard Frames, 7) Walkthrough Frames and Walkway Bracket (65 Galv.), 8) Steel Plank (Hook Dia: 43/50 mm), 9) Cross Braces, 10) Guard Rail, Alignment Rails and Guard Railing Post (18/120), 11) Outriggers, 12) Adjustable Steel Props, Push Pull Props (Size: R 250) and prop Connector with Head Bolt and Locking, 13) U Head/ Forkhead, 14) Universal tripod,	As per standards	As per standards	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	Description changed by IIL.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
626		73089010	i) Gates of Iron or steel ii) Racks of Iron or Steel iii) Shelvings of Iron or steel	i) Gates for Barrages. In accordance to AISC, AWS D.1.1, Sizes (up to 3 MTR heights, 4 MTR wide, 12 MTR lengths (Barrage & Tunnel Gate for Hydle & Irrigation purpose). ii) Racks sizes up to width 1.2 MTR, Height 4, and 12 MTR (bolted structure and can be assembled in any dimension Fencing sizes (up to 4mtr height iii) Racking & shelving system - heavy duty pallet racking system, medium duty racking system, library shelving system,compressed fillng system etc. For Warehouse, Stores, Supermarket and Factories etc.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
			iv) Transmission & Distribution Towers of M. S. Steel	11 Kv, 66 Kv, 132 Kv, 220 Kv, 500 Kv Steel Structures	Angles, Plates and Hardware of M.S., H.T. of grade DIN17100, S355 JR, ASTM A572/572M grade 50, ASTM A394 Type 0, ISO 898 grade 5.8, 6.8 and 8.8, ASTM A36/A36M	--	Pakistan Engineering Company Limited 6/7, Ganga Ram Trust Building, The Mall, Lahore	No Change
	Add		v) Steel Building and Structure	Plate Fabricated Profiles/ Pipe Racks, Modules	Y-25kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore **4) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
			vi) Structural Circular/square/ rectangular hollow sections (including all structural grades)	Diameters of 1/2" to 12" Square 1 ½" x 1 ½" to 10" x 10" Rectangular 1"x2" to 6"x10" Wall Thickness 1.8mm to 12.7 mm	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
627		73089090	i) Gates of Iron or Steel/ Penstocks, other Structure and parts of iron or steel ii) System and Steel Frameworks, Steel Building and Other Structure and parts of iron or steel iii) Steel Gates/DAM Gates	i) Gates for barrages, According to AISC AWS D 1.1, Sizes upto 3 mtr height, 4mtr wide, 12 mtr length (barrage & tunnel gate for Hydel and irrigation purpose. ii) Racks sizes up to width 1.2 MTR, Height 4, and 12 MTR (bolted structure and can be assembled in any dimension iii) Steel Structure (for Equipment, Plant Warehouse, Building and other purposes) - Light Structure (stairways , ladder railing and Plate Form) Sizes up to 0 ~ 200 mm - Medium Structure (flooring) Sizes up to 200 ~350 - Heavy Structure (column and framing beam) Sizes depth up to 350~1500 mm iv) Relief Valve Bulkhead Gates,Redial Gates ,Gate Guides and Frame , Draft Tube Gates, Vertical Lift Gates v) Plate Fabricated Profiles/ Pipe Racks, Modules or As per client's	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Izhar Engineering (Pvt.) Ltd., Izhar, House, 35-Tipu Block, New Garden Town, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 7) Rhino Pre- Engineering Building, 18 KM Ferozpur Road, Lahore.	No Change
			iv) Boiler Equipment/ Structure	Drums, Chimneys, Steel Structure, Cuts/ Chutes for upto 350 MW Boilers, ASME Sec. 1 OR As per client's requirment	--	--	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
			v) Fusible Link	Copper	--	--	SAMCON Associates 838-B Sabzazar Scheme Multan Road, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
628		73090000	i) Pressure Vessels & Storage Tanks / Reservoirs / Vats / Containers, Compression & Expansion Tanks Centrifugal Air Separator Centrifugal Duct Separator of Steel (Iron or Steel) for water and oil storage, etc	Upto 35,000 cubic metre i.e. Diameter= 60 meters, Height= 17 Meters (Fixed & Floated Roof), Circullar Capacity upto 500,000 Liters, Square Tanks for 26 MVA PMTs upto 4500 mm length, 1600 mm width and 2600 mm height. Vessels: Upto 150 MM Wall Thickness (Vertical and Horizontal, All types) (Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Storage Tanks, Skid Mounted Fuel Tank, storage tanks for petrochimical/oil/chemical industry, alcohol storage tanks, molasses storage tanks, LPG Bullets and bio gas reactors, M.E.G. road Tanker barrels, Oil Storage Tanks, Low Pressure Feed Water Heater/Deaerator and Feed Water Tank. Clarifier Tanks, Aluminum Tanks for Transportation of Fuel (capacity over 300L), Tow bar fuel tanker, truck mounted fuel tanker, trailer mounted fuel tank, mobile	Material = HR - 255, HR-275, HR-283, HR-285, SA-36, HR 275&25 Steel Plates., Carbon Steel, mild Steel, Stainless Steel and Alloy or any other.	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 5) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 6) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 7) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 8) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II,	No Change
			ii) Mud Tank / Mud Suction Tank With Valves And Gates	Used for mud mixing, Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
			iii) Cutting Bottle / Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--		No Change
			iv) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--		No Change
			v) Mobile Frac Tank vi) Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining / Fibercoating /Epoxy	Support acid upto 34%		No Change
629		73101000	i) Steel Drums / Tanks, Drums and Other Containers	Oil storage Drum, under storage tank of steel, skid mounted fuel tank, Boxes and Similar Containers (Material & Size as per Requirement)	--	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Cans and Containers	Of any type of steel, whether or not lined or heat insulated but not fitted with mechanical or thermal equipment (other than compressed or liquefied gas), Chlorine cylinders 01 ton capacity	--	--	1) Hashmi Can Co. Ltd., B-24, Manghopir Road, SITE, PO Box. 3608, Karachi-75700 2) Brother Engg. Ltd., 135-Upper Mall, Lahore.	No Change
630	Add	73102900	i) Storage Tanks/Pressure Vessels, Drums and Other Containers	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank, Boxes and Similar Containers (Material, Size & Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 5) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **7) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.** **8) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Name of Innoviv Pak added. Elite Engineering added as well.
			ii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form, Capacity: upto 3000 Gallons Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig, Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
			iii) Cutting Bottle / Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--		No Change
			iv) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
631	Add	73110010	Pressure Vessels/ Storange Tanks / Drums Bullets and Column of Iron or Steel	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums ,Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted Under Ground/above Ground LPG Vessel/ Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/ Sludge Catcher (Finger Type/Vessel Type) mounted. In Accordance to ASME SEC VIII Div 1, 2 & 3. BS 5500 Cat 1&2 TEMA, Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620,	1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m^3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 **9) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
632	Add	73110020	i) High Pressure Steel Vessels, Storange Tanks of Iron or Steel, Drums, Bullets and Column, Containers	Pressure Vessels, Knock out drums, Steam drums, Steam saturation drums, Boiler feed water tanks, De-aerator tanks, Truck mounted, Above/Under ground LPG Vessels, LNG Bullet / Storage Tank, Spherical storage Tanks, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type), Columns, Stripper, absorption, distillation, dehydration, Deaeration Equipment & De Gasifiers etc. as per customers requirements In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA,	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3. 1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m3 storage capacity. Largest LPG vessels fabricated in Pakistan. LPG Tanks - Static (Cylindrical upto 125 Mton capacity, Spherical upto 500 Mton capactiy) LPGBowzers capacity 30 Ton StoragePressure Vessel (cylindrical/spherical), up to 250 mm plate thick For compressed or liquefied gas, of iron or steel Shop built sizes up to 5 x 5 MTR (Width, Height) Site built sizes up to Dia 20 MTR and Length 20 MTR	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila 6) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad 7) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 8) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 9) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) LPG cylinders of iron or steel	a. LPG Cylinders with capacity = (6.0kg, 11.8 Kg, 15 Kg and 45.4 Kg) b. LPG Storage Bullets (from 01 MT Capacity to 100 MT) c. LPG Transportation bowzers (10 MT to 25 MT) with under carriage. d. Pressure vessel (15 PSI to 4000 PSI) as per ASME section VIII Div 1 and material thicknes 8mm to 50.8mm	Working Pressure : 7 Bar Test Pressure : 30 Bar Burst Test Pr :70 Bar DOT, ASME & BS Standard	Material: HR,SG-255 Steel Sheets. DOT, ASME & BS Standard	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 3) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 4) FAS Tube Mills & Engineering Industries, 67 - C Steel Street (Meco)Market, Landa Bazar, Lahore - 54000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
	Add		iii) Pressure Vessels for LPG Storage. LPG bulk storage tanks/ Pressure Vessels for LPG Storage.	As per ASME Code Sec: VIII Div-1. Ranging from 30 Tons capacity and onwards with Wall Thickness from 20mm to 70mm. LPG bulk storage tanks of capacity 500 kgs and above cylindrical pressure vessels of thickness upto 250mm	--	Material: HR,SG-255 Steel Sheets.	1) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila 5) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi **7) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
633	Add	73110030	i) Storange Tanks	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620.	--	--	1) Heavy Mechanical Complex-3, Hattar Road, Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **4) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		ii) Iron or Steel Pressure Vessel, Drums, Bullets and Column	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums, Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted /Under Ground/above Ground LPG Vessel/Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type) LNG Spherical storage Tanks. In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA,	1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m^3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. **5) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
			iii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form. Capacity: 1000 Gallons upto 3000 Gallons, Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
634	Add	73110040	Pressure Vessels / Storange Tanks	Type: Horizontal & Vertical, Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3 .	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila **6) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
635	Add	73110090	i) Iron or Steel Pressure Vessel, Drums, Bullets and Column, Containers, Storange Tanks	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums ,Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted /Under Ground/above Ground LPG Vessel/Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type) LNG Spherical storage Tanks. In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA, Containers for compressed or liquefied gas, of iron or steel	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3 . 1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila 6) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 **9) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
	Add		ii) LPG cylinders of iron or steel, Pressure Vessels for LPG Storage/ LPG bulk storage tanks	a. LPG Cylinders with capacity = (6.0kg, 11.8 Kg, 15 Kg and 45.4 Kg) b. LPG Storage Bullets (from 01 MT Capacity to 100 MT) c. LPG Transportation bowzers (10 MT to 25 MT) with under carriage. d. Pressure vessel (15 PSI to 4000 PSI) as per ASME section VIII Div 1 and material thicknes 8mm to 50.8mm '- As per ASME Code Sec: VIII Div-1. Ranging from 30 Tons capacity and onwards with Wall Thickness from 20mm to 70mm. - LPG bulk storage tanks of capacity 500 kgs and above cylindrical pressure vessels of thickness upto 250mm	Working Pressure : 7 Bar Test Pressure : 30 Bar Burst Test Pr :70 Bar DOT, ASME & BS Standard	Material: HR,SG-255 Steel Sheets. DOT, ASME & BS Standard	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 3) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 4) FAS Tube Mills & Engineering Industries, 67 - C Steel Street (Meco)Market, Landa Bazar, Lahore - 54000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 7) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 9) Heavy Mechanical Complex (Pvt) Ltd., Taxila	Elite Engineering added as per request
			iii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form. Capacity: 1000 Gallons upto 3000 Gallons, Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
636		73121010	i) Stranded wire of Iron or steel, not electrically insulated	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	--	--	Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Galvanized/ Ungalvanized Strands Steel Inner Wire/ Rope/ Roll	BS 302, JIS G3525, BS 2763	As per Standard	As per Standard	Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi	No Change
			iii) Galvanized Steel Wire Stranded / Galvanized steel wire	WAPDA P 12:80	--	--	Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore	No Change
			iv) P.C Strand	Size 3/8", 7/16" & 1/2"	--	C-Si-Mn-P-S-Cr-Ni-Cu Al & Mo	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore	No Change
			v) Pre-Stressed Concrete steel Wire Spiral/ Plain for Railways Sleeper / Ready made roofs and other	JIS G 3506 / SWRH-82 B (ASTM A-416/B.s. 5896 Grade 250/270-K, Normal Relaxation, Not Electrically Insulated) ASTM A421-15 BS 5896, JIS G3536 GB-T 5223-2014 and equivalent	7 Wire Strands 1/2", 3/8", 7/16"	C 0.81, Si 0.24, Mn 0.84, P 0.015, S 0.012	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore	No Change
			vi) Prestressed Concrete Wire	JIS G 3506 / 1980 SWRH-82 B(ASTM A-421 Grade 250/270-K, Not Electrically Insulated)	Wire (variable dia)	C 0.80/ .84, Si 0.22, Mn .60/.80, P .02X, S.02X, Cr .240/.260, N .010, Cu .007, Ni .014, Mo .001, V .025	Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur	No Change
			vii) High Carbon Steel wire strand	JIS G 3536 SWRH-82B-1 (Not Electrically Insulated)	Wire (variable dia)	C 82/83, Si 23/27, Mn 76, P 11/17, S 4/6, Cr 17/19		No Change
			viii) High Tensile Steel Wire	JIS G 3506 /B.S. 5896 (Grade 250/270-K, Normal Relaxation, Not Electrically Insulated)	Wire (variable dia)	C .81%-.83%, Mn .75-77%, P .010-.014%, S .002%-.005%, Si .25-.26%,Sr .17%-.18%		No Change
			ix) Hard Drawn/ Spring wire	JIS G 3536(Not Electrically Insulated)	Wire (variable dia)	C .83, Mn 0.67, P 0.013, S 0.010, Si 0.19, Cr 0.250, N .006, Cu .007, Ni .014, Mo 0.25, Sn .002		No Change
637		73121020	i) Stranded ropes of Iron or steel, not electrically insulated	ASTM, JIS all International spec	Low Carbon to High Carbon Steel Wire & Ropes	--	1) Chaudhri Wire Rope Industries (Pvt) Ltd., 25 Km G.T Road Muridke, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			ii) Steel Wire Rope	6X7FC,SC & IWrC-6X12, 6X19, 6X24, 6X36, 6X37 FC, SC & IWRD	--	C-Si-Mn-P-S-Cr-Ni-Cu Al & Mo	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			iii) Wire Rope (Not electrically insulated)	SWRH 42B, 47B, 62B & 72B JIS G 3506	8 mm to 20 mm Ø	C/ 62-72, Si 195, Mn 67, P .6, S .13, Si 195-201	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Amend		iv) Galvanized/ Ungalvanized Inner Wire Roll/Steel Cable Clutch, Brake Throttle Automotive Sector Galvanized Guy rope/ Strand For the Reinforcement of Optical Fiber Cable And Communication Cable, for Signaling and Galvanized Stay Strand For Power Transmitting Towers	JIS 3540 GB 1200-88 YB/T 5004-93 JISG 3525 JISG3525 GB-1179-1999 **(Excluding SUS/SS ~~and SWRH 62A~~ grade)**	As per standard	As per standard	Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi	Need to be amended in light of Corregendum issued.
638		73121090	Core Wire for ACSR	JIS G 3506 62 B, 72 B (Not Electrically Insulated)	Wire (variable dia)	C 73, m 67, P 0.06, S 0.013, Si .195	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
639		73130000	Barbed wire of Iron or steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	--	--	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi	No Change
640		73143100	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
641		73143900	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
642		73144100	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
643		73144900	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
~~644~~	~~delete~~	~~73170090~~	~~Staples Pins of iron or steel~~	~~All Sizes~~	~~--~~	~~--~~	~~Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700~~	Duplicate of entry at 718 and wrong PCT.
New	New	73181100	Coach Screws	Grade 4.6/ 4.8/ 5.6/ 5.8/ 6.8 of mild steel	– Metric dia: M6 to M18 – Inch dia: 1/4 "to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
645		73181200	i) Mild Steel Buttweld Pipe Fittings	Gauges : 3 SG to 14 SG, Lengths : 1/2" to 5" British & DIN Standards - Twinstart & Full Dia.	Countersunk & Round Head, Slotted & Phillips, Partial & Fully Threaded Screws.	Mild Steel with 0.10% Carbon & Stainless Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
Add	Add		ii) Wood Screws	Grade 8.8 / 10.9– Medium Carbon Steel	– Metric dia: M6 to M18 – Inch dia: 1/4 "to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
New	New	73181300	Screw hooks, Lifting hooks	Grade 12.9 – High Strength Alloy Steel	– Metric dia: M6 to M18 – Inch dia: 1/4 "to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% ~ 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Included as per request
646		73181400	i) Screws (Self-Tapping, Threaded)	Gauges : 4 SG to 14 SG Lengths : 1/2" to 5" (or Metric equivalents) BS-4174 or DIN Standards	Hardened Screws, all types of heads, Nickel, Zinc or Rainbow Plated for use in metal plates & sheets made from Medium Carbon Steel .Torque Strength upto 136 lbs/sg. Inch.	Medium Carbon Steel 0.15-0.20,	1) Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi 2) FB Fasteners, 19-Km, Multan Road, Lahore.	FB Fasteners added
Add	Add		ii) Machine Screws	Guages : 1/8 to 5/16" & M3 to M8 Lengths : upto 5" or 125mm BS-4183 & DIN Standards 963, 964 & 965.	All types of Heads, Zinc & Rainbow Plated.	Mild Steel & Stainless Steel.		No Change
			iii) Drywall (Bugle Head) Screws.	Guages : 6 to 12 SG Length : Upto 3" DIN Standard in Fine & Coarse Thread.	Hardened Screws, all types of heads, Nickel, Zinc or Rainbow Plated for use in metal plates & sheets made from Medium Carbon Steel .Torque Strength upto 136 lbs/sg. Inch. (Black Phosphated)	Medium Carbon Steel 0.15-0.20, S&P 0.045% max, & Mn 0.20 – 0.60% & Stainless Steel.		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
New	New	73181510	Hex bolts (DIN 931, 933, ISO 4014, ISO 4017, Agri tractor bolts, Connecting rod bolts, Cylinder head bolts, Wheel bolts, Carriage bolts (DIN 603), DIN/ISO Standard Fasteners (general reference), Fastening components for 2W/3W/4W / Loaders / Engine / Chassis / Body	Stainless Steel – A4 (316)	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Included as per request
New	New	73181520	Flange bolts (DIN 6921), Hex bolts (DIN 931, Agri tractor bolts , 933, ISO 4014, ISO 4017, DIN/ISO Standard Fasteners (general reference), Fastening components for 2W/3W/4W / Loaders / Engine / Chassis / Body	Stainless Steel – 204cu	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Included as per request
647		73181590	i) Bolts of Iron or steel	i) Dia M6 ~ M24, SAE 4.8, 5.8, 8.8, 10.9, 12.9	SAE 1,2,5,8,A574 Tensile:60,74,120,150,180 KSI Yield Strength: 36,57,92,81,130,160 KSI	S&P 0.045% max, &	Mirza Younas & Co., Zahoor Coloney Momin Pura Road, Near Bhatta Daroghawala,Lahore	No Change
				ii) Dia M6 ~ M24, M.S & High Tensile	SAE 5, SAE 8 , SAE 2 Tensile Stress 120 KSI,150 KSI,	Mn 0.20 – 0.60% & Stainless Steel.		No Change
				iii) Dia M6 ~ M24, M.S & High Tensile	SAE 2, 5, 8 Proof Stress 105~ 1050 KSI	C= 0.28~ 0.55 Mn= 0.30max Ph= 0,05 max S=0.15 max Cr= 0.25 max		No Change
				iv) Bolts, Nuts, Rivets, Studs, Washers, Screws of Steel, Mild Steel, Stainless Steel and Galvanized	Grade AISI 1008, 1010, 1012, 1025, 1030, and equivalent grade 8.8, 10.8, 12.8 and equivalent; Galvanized High Tensile Strength	--	Inayat Brothers, P-27 Canal Road, Peoples Colony # 1, Faisalabad	No Change
				v) Agricultural and all types of Bolts, Nuts and Washers	AISI 1008, 1010, 1012, 1015, 1025, 1030, and equivalent High Tensile Strength	--	I. B. Industries, P-27 Canal Road, Peoples Colony # 1, Faisalababad	No Change
				vi) Gauges : M3 to M8, Lengths : upto 110mm Hex Head Bolts, Flat & Indented. British & DIN Standards.	Fully or partially threaded, Zinc or Rainbow Plated.	Mild Steel, Medium Carbon Steel & Stainless Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
			ii) Hex Washer Indented / Hex Flange Indented / Hex Top Round Metric Bolts Material: Low carbon steel (Length6 mm-100 mm) (Gauge:M4-M10) - Other than Automotive iii) Hex Head Metric Bolt Material: Low carbon steel (Length6 mm-100 mm) (Gauge:M4-M8)- Other than Automotive	Used specifically in Industrial, construction and Home Appliances Industry	Length 6 mm-100 mm & Gauge: M4-M10 to be checked against the standard of JIS B 1189 Length 6 mm-100 mm & Gauge: M4-M10 to be checked against the standard of DIN 558/DIN 933/JIS B1180	C:0.08%		No Change
			iv) Nut & Bolts 2 " to 14 "	WAPDA Specification DDS-10:85	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
Add	Add		v) Allen bolts, Mounting bolts / screws, Agri tractor bolts , Button head screws (DIN 7380), Socket head cap screws (DIN 912, ISO 4762), U bolts, Weld bolts, Bracket bolts, Threaded rods / Studs (DIN 975, 976), Automotive fastener kits (bolt-based), Hex bolts (DIN 931, 933, ISO 4014, ISO 4017, DIN/ISO Standard Fasteners (general reference), Fastening components for 2W/3W/4W / Loaders / Engine / Chassis / Body	Grade 4.6 / 4.8 / 5.6 / 5.8 / 6.8 – Mild Steel	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% ~ 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
648		73181610	i) Hex Washer Indented / Hex Flange Indented / Hex Top Round Extruded / Straight Shank Metric Bolts Material: Medium Carbon Steel (Length6 mm-100 mm) (Gauge:M4-M10) - Other than Automotive ii) Hex Head Metric Bolt Material: Medium Carbon Steel(Length6 mm-100 mm) (Gauge:M3-M10)- Other than Automotive	Used specifically in Industrial, construction and Home Appliances Industry	Length 6 mm-100 mm & Gauge: M4-M10 to be checked with strength class of 8.8.	C:0.45%, B:0.0017%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
649		73181900	i) Threaded Nuts of Iron or steel	Dia M6 ~ M24 Medium,High Carbon & Alloy Steel	SAE 4.8,8.8,10.9 & 12.9	C% 15~55 P% 0.03~0.05 S% 0.03~0.05 Ni% 0.15~0.22 Cr% 0.18~0.25	Mirza Younas & Co., Zahoor Coloney Momin Pura Road, Near Bhatta Daroghawala,Lahore	No Change
Add	Add		ii) Agri tractor studs / screws, Cylinder head studs, Wheel studs, Threaded rods / Studs, Rivets, Rawal bolts	Grade 8.8 / 10.9– Medium Carbon Steel	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
New	New	73182300	Rivets	Grade 12.9 – High Strength Alloy Steel	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
New	New	73182900	Pins/ Dowel pins	Stainless Steel – A2 (304)	– Metric dia: M6 to M18 – Inch dia: 1/4 “to 3/4" – Length: 10 mm to 160 mm (or 3/8" to 7")	– Carbon (C): 0.02% to 0.55%	FB Fasteners, 19-Km, Multan Road, Lahore.	Added as per request
650		73218100	Patio Heater	GLASS TUBE, TILT SAFETY SWITCH, FAILURE SAFETY, BOTH LPG & NG SUPPORTED , 39,000 BTU CONSUMPTION 815g/h GAS PRESSURE 28-50 mbar	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
651		73219000	Shelves of Iron or steel	Made of CRC, HRC, Galvanized Steel Sheet	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi	No Change
652		73251000	Articles of Cast Iron excluding forging hub used in auto sector	- Cast iron castings upto 28 tons weight (sigle piece) steel casting (low alloy) upto 32 tons weight (single piece) - Gray Cast Iron, From 1 kg to 1000 kg	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
653		73259100	Hi-chrome grinding media balls	Hi-chrome grinding media balls of dia 22-100 mm	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
654		73259900	Following articles excluding Casting, Cylinder Body or Casting Outer Tube i) Articles of Cast Mild Steel ii) Articles of SG Iron	Casted Mild Steel From 1 kg to 1000 kg SG Iron From 1 kg to 500 kg	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
655		73261100	Forged grinding media balls	Forged grinding media balls of diameter 30-120mm	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
656		73261911	Crank Shaft Forgings	Crank shaft forging for motor cycle engine	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35 Mn = 0.30-0.60	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi	No Change
657		73261919	Crank Shaft Forgings	Crank shaft forging for motor cycle engine	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35 Mn = 0.30-0.60	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi	No Change
658		73261990	i) Steel free forged items	Steel free forged items upto 120kg per piece weight	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
			ii) Articles, Forged or stamped, iron or alloy steels	Die/ Free forged, Die forging up to 5Kg. Free Forging uo tp 1000Kgs	Machined	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi	No Change
			iii) Other Forgings	i) Car forging component for towing, hub front axle wheel, engine assembly, gear assembly etc.	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	- AISI 1025, C= 0.22-0.28, Si = ≤0.15-0.35, Mn = 0.30-0.60 - AISI 1035, C = 0.32-0.38, Si = 0.15-0.35, Mn = 0.6-0.9 - AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35, Mn = 0.30-0.60 - SVDH23F, C = 0.25-0.26, Si = 0.26, Mn = 1.54-1.55 - S40VCSS1A, C = 0.38-0.43, Si = 0.40-0.60, Mn = 0.70-1.00 - S53C, C = 0.5-0.56, Si = 0.15 - 0.35, Mn = 0.6 - 0.9	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi	No Change
				ii) Tractor forging components for coupling, pump, shaft, weight, differential and gear assembly	Apprearance smooth forged steel. Silver grey. Hardness HB 248-323	- SAE-8620, C= 0.17-0.23, Si = ≤0.15-0.35, Mn = 0.6-0.9 - SAE-8620-H, C = 0.17-0.23, Si = ≤0.15-0.35, Mn = 0.6-0.95		No Change
659		73262000	Display Racks of Assorted Sizes (excluding warehousing Racks)	Thickness from 2 mm to 7 mm powder coated/ LDPE coated 1*1 ft to 8*8 ft	Weight Load Capacity from 1 Kg to 100 Kg	M. S Wire Powder Paint/ LDPE Paint	Plascoat Systems, 18.5 Km Behind Wonhar Wood Furniture, Multan Road, Lahore	No Change
660		73269060	i) LT ABC Dead End (Anchoring) clamp	Cable Messenger at the Dead End Point	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
			ii) HT ABC Dead end Clamp (Anchoring)	Aerial Bundled Cable (3x185 mm² Dead End End Connections Specification K-R&D-HTABC-PD-29	--	--		No Change
			iii) Dead End Clamp for Dog & Ospery conductor	Holding the Conductor at Dead End in 11 KV Over Head Distribution System	--	--		No Change
			iv) Loop dead end clamp LC 10	Making the LT Dead Ends & Tee Offs in Over Head Distribution System	--	--		No Change
661		73269090	i) Shelves of Iron or steel	Made of CRC, HRC, Galvanized Steel Sheet	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi	No Change
			ii) Special Spool / Spools (Spacer / Drilling/ Mud Cross)	Size: 2-1/16" to 30" Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140	MEC Energy, Plot No. 80-D, Street No. 6, Industrial Area Sector I-10/3, Islamabad	No Change
			iii) Loop Dead End Clamp LC-10 & LC-16	WAPDA Specification PD-111a-05	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iv) Dead End Clamp Dog & Ospery	WAPDA Specification DDS-73:2004	--	--		No Change
			v) Transmission Line Hardware (Suspension/Tension String Fittings/Assemblies for Earth Wire)	NTDC-WAPDA P-141:80	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore	No Change
			vi) Transmission Line Hardware Accessories (Mid Span Joints & Repair Sleeves)	NTDC-WAPDA P-144:80	--	--		No Change
			vii) Transmission Line Hardware Accessories (Stock Bridge Dampers)	NTDC-WAPDA P-142:83	--	--		No Change
			viii) Transmission Line Hardware Accessories (Splice Shunt, Armour Rod)	NTDC-WAPDA P-140:82	--	--		No Change
662		74031100	Cathodes	Copper Cathodes cut to pieces	--	--	Newage Cables (Pvt) Ltd. Newage Mansion Mcleod Road, Lahore	No Change
663		74031200	General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
664	Amend	74031300	Copper Billets/Ingots	QQC 576 Latest	Round & Slab Shapes	99.9% Pure Copper	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
665	Amend	74032100	Brass Billets/Ingots	Def-Stan 95-9 IU 92 & other	Round about 200 kg & Slab From 300kg-6MT	60:40, 70:30, 80:20, 90:10, Any other	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
666		74071020	Copper Rod	ASTM B-49 Dia 8.00 & 10.50mm ASTM B-49 Electrical Conductor	Breaking Load Elongation Resistance	Purity: 99.99%	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 4) Bawany Metals Ltd., 1001-Unitowers, I.I. Chundrigar Road, Karachi	No Change
New	New	74071040	Copper Busbars of electrolytic grade of 99.9% purity	As per ASTM B187/ EN13601	Thickness: 1mm to 12mm, Width: 15mm to 120mm, Dia: 10mm to 60mm, Length: 4 meter or as per requirement.	Minimum 99.9% purity	Atta Metals (Pvt.) Ltd., 16.5 Km Lahore Sheikhupura Road, Javed Nagar, Mominpura, Lahore.	Added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
667		74081900	Copper Wire	ASTM B-2 & B-3	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
668		74082900	Copper Wire	ASTM B-2 & B-3	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
669	Amend	74091100	Copper Coils	QQC 576 Latest	0.5 mm – 05 mm Thick, Weighing upto 2.4MT	99.9% Pure Copper	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
670	Amend	74091900	Copper strips/ Sheets/ Plates not in coil	QQC 576 Latest	0.5 mm – 30 mm Thick	99.9% Pure Copper	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
New	New	74091910	Copper Busbars of electrolytic grade of 99.9% purity	As per ASTM B187/ EN13601	Thickness: 1mm to 12mm, Width: 15mm to 120mm, Dia: 10mm to 60mm, Length: 4 meter or as per requirement.	Minimum 99.9% purity	Atta Metals (Pvt.) Ltd., 16.5 Km Lahore Sheikhupura Road, Javed Nagar, Mominpura, Lahore.	Added as per request
671	Amend	74092100	Brass Coils	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm – 05 mm Thick, Weighing upto 2.4MT	60:40, 70:30, 80:20, 90:10, Any other	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
672	Amend	74092900	Brass Strips / Sheets/ Plates not in Coils	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm – 30 mm thick	60:40, 70:30, 80:20, 90:10, Any other	~~Wah Brass Mills (Pvt) Ltd.~~ Wah Industries Ltd.Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.	Name of firm changed.
673		74111090	i) Aluminum & Copper Pipe / Busbar / Tube	NTDC-WAPDA P-114:2011	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore	No Change
			ii) Copper Coated/Cladded Steel Rod	NTDC-WAPDA P-116:81	--	--		No Change
			iii) Grounding Set Comprising Copper Coated Steel Road & Copper Wire 1.5M)	P-116:81, P-016:68	--	--		No Change
674		74121000	Sockets for Natural Gas and LPG	Type: Bayonet, Angle Bayonet, Compression 10mm, Micro, Leakage test at 1 bar (1KV). Body: Brass (Forged), Size: 1/2:, 3/8",	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
675		74122000	Sockets for Natural Gas and LPG	Type: Bayonet, Angle Bayonet, Compression 10mm, Micro, Leakage test at 1 bar (1KV). Body: Brass (Forged), Size: 1/2:, 3/8",	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
676		74130000	i) Stranded Copper Wire/ cables of copper not electrically insulated.	Sizes: 1.5MM to 1000MM, Voltage Grade: upto 220 KV, BSS-6360:7884	• HDBC • PACC	High Conductivity Copper	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Flexible Cable	0.5mm^2 - 240mm^2, BS-6004, BS-6500	T/S, Elong, DC Resistance IR, HVT (PVC)	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			iii) Instrument Cable	0.5mm^2 - 4mm^2, BS-5308, Pl & PII (Shielded) (Flexible & Stranded.)				No Change
			iv) PVC Power Cable	0.5mm^2 - 400mm^2, BS-6346, IEC-502 (Armoured & Unarmoured)				No Change
			v) XLPE Power Cable	1.5mm^2 - 400mm^2, BS-5467, IEC-502 (Armoured & Unarmoured)				No Change
677		74152100	Washers (Brass) including spring washers.	Sizes a) Outter Dia upto 80mm b) Thickness upto 20mm Types As per customer requirements. Thrust Washers various types.	Sintered Washers made from Bronze Powder.	90% Copper & 10% Tin or 100% Bronze.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
678		74153300	Brass Screws for wood	Guages 3 - 16 & upto 4" In length - British & DIN Standards	Countersunk & Round Head, Slotted & Phillips.	67% Copper, 33% Zinc	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
679		74153900	i) Substation Connectors Mono-metallic / Bi-metallic (Aluminum or Copper Alloys)	NTDC-WAPDA P-176:2011	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore	No Change
680		76012000	Aluminium Alloy Ingots	As per following standards; JIS, BS, HD2, HD2G, HD4, HD1.1, LM6, LM13, LM24, LM28, ADC12, AC3A, AC4B, AC4C, ADC6, B12G19X, AS7GO6, ALSi12Cu	As per International Standards " JIS, Japan, ASTM, USA and BS, British"	Si =9~12%, Fe =0.6~1.2%, Cu =2 ~3.5%, Mn=0.10~0.80%, Mg =0.10~0.50%, Ni =0.10%, Zn=0.10~1.00%, Pb =0.10%, Sn =0.10%	1) Sun Metal Industries (Pvt. Ltd., Suite # 108, Anum Trader Center, State Avenue, S.I.T.E. Karachi. 2) New Era Industries, F61/G S.I.T.E, Karachi 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
681		76041010	Aluminium Rod	9.50 mm ASTM B-233	T/S, Elong, Torsion	Conductivity: 61.4%: Silicon:0.1, Iron:0.4, Copper:0.05, Manganese:0.01, Chromium:0.01, Zinc:0.05, Boron:0.05, Gallium:0.03, Vanadium + Titanium: 0.02, Other Elements:0.03, Other Elements:0.01, Aluminum: 99.5	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
682		76042100	Hollow Profiles of Aluminum Alloy	Door / Window Sections: BSS 1474, ASTM-B-221, BSS-3987, AAMA CLASS 1, BSS-1615	• Annodized • Powder Coated	Aluminium Alloy	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
683		76042910	Parallel Grooves Connector S-117, S-157, T-110, T-150, T-155, T-220	WAPDA Specification P:25-67	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
684		76042990	Profiles of Aluminum Alloy	Door / Window Sections BSS 1474, ASTM-B-221, BSS-3987, AAMA CLASS 1,BSS-1615	• Annodized • Powder Coated	Aluminium Alloy	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
685		76051100	Aluminium Rod	Aluminium rod dia 9.5 mm	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
686		76051900	Aluminium Wire	ASTM B-230	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
687		76052100	Alloyed Aluminium Rod	Alloyed Aluminium rod dia 9.5 mm	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
688		76052900	Alloyed Aluminium Wire	Alloyed Aluminium wire All sizes	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
689		76061200	Aluminium Composite Panel	Size: 8' x 4' Thickness 4mm	Aluminium Coil & Plastic	PE & PVDF	Akbari Engineering (Pvt) Ltd., Plot No. 188, Sunder Industrial Estate, Raiwind Road, Lahore	No Change
690		76071100	i) Aluminium Cable foil for telephone industries ii) Aluminium Finstock in continuous length for all types of air conditionersers, deep freezers & Fridges	i) Foil for Telephone industry 0.200mm-0013mm both side of foil with 50u for PE/ Copolymer Coating- 0.004nmm or 0.050mm making on overall substance 0.300mm- 0.005mm (Not over 0.2mm thickness) ii) Aluminium Foil thickness 7-200u, both side or one side with CPV coating, hydrophilic corrosion resistant (Lacquered, Blue, Gold & Silver) not over 0.2mm thick, not backed Aluminium foil not exceeding 0.2mm,	As per given specification	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
Add	Add		iii) Aluminum Foil/Strip and in Coil used by Radiator manufacturers	Size of Foil/ Strip is 56mm	As per given specification	--	Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi	Supply record may be provided.
691		76071990	i) Aluminium disposable products for air lines & fast food industries (Kitchen Foil, Utensils)	(Aluminium Trays, Casseroles & Kitchen Foil)	As per given specification	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi	No Change
			ii) Aluminium Finstock for all types of air conditionersers, deep freezers & Fridges	Aluminium foil not exceeding 0.2mm (Thickness from 0.12mm to 0.20mm both side or one side with CPV coating, hydrophilic corrosion resistant (Lacquered, Blue, Gold & Silver)	As per given specification	--		No Change
			iii) Aluminium foil for pharma industries	Aluminium Foil for Blister & Strip Pakcing for Pharma Industries (not exceeding 0.2mm). A. Foil 7-20u sanwich+one side polyester film & other side polyethylene. B. Foil 7-10u other side polyester film with polyethylene coatings. C.7-10u foil with 40-50gsm parchment paper/poster paper + LDPE printed/un-printed alu alu cold forming foil	As per given specification	--		No Change
			iv) Alu Alu Cold forming Foil /Alu Alu Blister Foil/ Tropical foil/ Blister foil	OPA Al-foil PVC	Density 2.7 - 5.2 g/cm3, High elastic Strength High Pressure resistance	Not react with the vast majority of foods and pharmaceutical products.	Zenith Packages Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
692		76072000	iii) Aluminium foil for pharma industries	Aluminium Foil for Blister & Strip Pakcing for Pharma Industries (not exceeding 0.2mm). A. Foil 7-20u sanwich+one side polyester film & other side polyethylene. B. Foil 7-10u other side polyester film with polyethylene coatings. C.7-10u foil with 40-50gsm parchment paper/poster paper + LDPE printed/un-printed alu alu cold forming foil	--	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi	No Change
			Aluminium foil paper backed for cigarette and Tea industries	Thickness not exceeding 0.2mm for aluminum foil 6.0u - 7.0u laminated with paper (tissue paper, poster, paper, board 20 - 400 gsm both Silver & Gold lacquered foil.	N/15am, 45-60gsm elongation 2 - 2.5%	--		No Change
			iv) Alu Alu Cold forming Foil /Alu Alu Blister Foil/ Tropical foil/ Blister foil	OPA Al-foil PVC	Density 2.7 - 5.2 g/cm3, High elastic Strength High Pressure resistance	Not react with the vast majority of foods and pharmaceutical products.	Zenith Packages Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore	No Change
			Laminate for Flexible Packaging (Backed)	Plastic and Aluminum Foil based laminates for flexible packaging	Solid in roll form or bags	Aluminum Foil & Polymer	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760	No Change
693		76109000	Aluminium Rod	9.50 mm ASTM B-233	T/S, Elong, Torsion	Conductivity: 61.4%: Composition: Silicon: 0.1, Iron: 0.4, Copper: 0.05, Manganese: 0.01 Chromium: 0.01, Zinc: 0.05, Boron: 0.05 Gallium: 0.03, Vanadium + Titanium: 0.02 Other Elements: 0.03, Other Elements: 0.01 Aluminum: 99.5	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
694		76110000	Aluminium Tanks	Aluminum Tank for Transportation of Fuel (capacity over 300L)	Truck mounted, trailer type, tow bar type, Rectangular/circular and semi clliptical storage tank. Al refuller and Bowser and mobile dispenser.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi	No Change
695		76121000	Collapsible tubular Containers of Aluminum	Dia=12.5 to 45-mm	Aluminum Purity 99.75 %	--	Alucan (Pvt) Ltd., E/12, S.I.T.E., Karachi-75730	No Change
696		76129030	Aluminium Beverages Cans 250 ML, 300 ML	Aluminium	--	--	Pakistan Aluminium Beverage Can Ltd., 29 & 30, M-3 Industrial City, Main Boulevard Sahianwala,, Faisalabad	No Change
697		76129090	Pilfer Proof Aluminium Caps	22mm, 25mm, 28mm 30 x 35mm	Aluminium caps	--	National Metal Packaging Ltd., Plot No. 148, Sector-30, K.I.A, Karachi-74900	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
698		76141000	i) Aluminium Stranded Conductor / Aluminum Cables	Steel Re-inforced (All Sizes), ASTM B-232, Steel Reinforce (ACSR). Rabbit-Dog-Gopher-Lynx-Osprey, WAPDA P-50-88 Specs. Cables, Aluminum, with steel core, not electrically	As ASTM T/S, Elong, Weight H-12 Strands Aluminium	CU 99% Zinc coating uniformity, Al purity	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 3) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 4) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 5) Multicore Cables, 136 Abid Chembers Temnpal Road Lahore	No Change
			ii) Stranded wire, cables, Aluminium not electrically insulated.	Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 220 KV BSS-6360, BSS-215 (Excluding ultra violet treated cables)	ACSR	Aluminium Electrical Grade	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			iii) Conductors (ACSR)	All Types and Sizes	--	--	Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi.	No Change
			iv) Aluminum Conductor Composite Core (ACCC)	ASTM B857 Specs., Casablanca, Drake, Plano, Helsinki, Silvassa, Gdansk, Oceanside, Warsaw, Brussels, Lisbon, Vienna	Trapezoidal Aluminum Conductor Stranded over Carbon Fiber Core	Aluminum Electrical Grade	Pakistan Cables Limited, B-21, SITE, P.O. Box No. 5050, Karachi - 75700	No Change
699		76149000	i) Aluminium Stranded Conductor / Aluminum Cables / Conductors / Aerial Bundle Cable	All Sizes Steel Re-inforced ASTM B-232, ASTM B-231, ACSR, AAC, Rabbit-Dog-Gopher-Lynx-Osprey, WAPDA P-50-88 Specs., Cables, Aluminum, with steel core, not electrically Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 220 KV BSS-6360, BSS-215 (Excluding ultra violet treated cables) Ant-Wasp (AAC) WAPDA P-63-79 Specs. 35mm2 - 120mm2, IEC-60502 NEMA, (XLPE & PVC) (ABC)	As ASTM T/S, Elong, Weight XLPE Aging Test H-12 Strands Aluminium	CU 99% Zinc coating uniformity, Al purity Aluminium Electrical Grade	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi. 5) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 6) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 7) Multicore Cables, 136 Abid Chembers Temnpal Road Lahore	No Change
			ii) Aluminum Conductor Composite Core (ACCC)	ASTM B857 Specs., Casablanca, Drake, Plano, Helsinki, Silvassa, Gdansk, Oceanside, Warsaw, Brussels, Lisbon, Vienna	Trapezoidal Aluminum Conductor Stranded over Carbon Fiber Core	Aluminum Electrical Grade	Pakistan Cables Limited, B-21, SITE, P.O. Box No. 5050, Karachi - 75700	No Change
			iii) All Aluminium Alloy Conductor (AAAC)	All sizes	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
700		76169910	i) Cast Steel Castings	As per client's requirement	--	Steel Scrap=95.7% Ferro Manganese=2% Ferro Silicon=2% Ferro Chrome=0.3%	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Mn Steel Casting	As per client's requirement	--	Steel Scrap=82% Ferro Manganese=14% Ferro Silicon=0.8% Ferro Chrome=2.5% Recarborizer=1.3%		No Change
			iii) Cast Iron Castings	As per client's requirement	--	Pig Iron=75% Steel Scrap=21% Ferro Manganese=2% Ferro Silicon=2%		No Change
701		76169990	i) Aluminium disposable products for air lines & fast food industries (Kitchen Foil, Utensils)	(Aluminium Trays, Casseroles & Kitchen Foil) aluminum Metal 65u to 100u with Food grade Coating. (Not over 0.2mm thickness)	As per given specification	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi	No Change
			ii) Aluminum Finstock in continuous length for air conditioning industry	Not exceeding 0.2mm thickness from 0.12mm to 0.20mm both side or one side with CPV Coating hydrophllic corrosion resistant (lacquered Blue, Golden & Silver)	As per given specification	--	Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi	No Change
			iii) Transmission Line Hardware (Tension / Suspension String Fittings/Assemblies for Aluminum Conductors)	NTDC-WAPDA P-143:82 NTDC-WAPDA P-140:82	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore	No Change
702		82021000	Hand saws of base metal	Hand saw for wood cutting size 10 " to 36 "	1650 -1850 Nmm^2	Cr 1 . C .75 % Mn .7 % Cr .35 % si .04 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi	No Change
703		82023100	Steel Saws	Gang saw for stone cutting/Marble cutting	Tensile Strength 1350-1400 Nmm^2	Cr 1 , C75 , Mn .7 %Cr .35 % Si .04 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi	No Change
704		82023900	Steel Saws	Circular saw for wood cutting sizes 4 " to 14"	Cr 1 , C 75 , C 60 . High Carbon alloy steel strip , High Carbon steel strip, Carbon steel strip Tensile Strength 1550 - 1750 Knmm2	C 75 % , Si 0.4 , Cr 0.37 Mn 0.70 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi	No Change
705		82032000	Hand Tools	Pliers, hand, base metal 4" to 6"	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala	No Change
706		82041100	Non-adjustable Spanners	8x10mm, 12x14mm, 16x17mm, 20x22mm, 24x26	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala	No Change
707		82054000	Hand Tools	Screwdrivers, base metal 2 way 4"	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala	No Change
708		82081000	Steel Blades	High Carbon Alloy Steel / High Carbon Steel Strip	CR 1 , C60-80 ,1450- 1700 Nmm^2	--	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi	No Change
709		82082000	Steel Blades	High Carbon Alloy Steel / High Carbon Steel Strip, Wood cutting band saw blade size 10 mm -255 mmx0.5mm - 1.5 mm	CR 1 , C60-80 , TS 1450- 1700 Nmm^2	C .75 , si 0.4 cr .35 mn .7 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi	No Change
710		82121000	Razors, non-electric	Double edge razor blades and plastic bonded disposable razor	--	--	Treet Corporation Limited, 72-B, Kot Lakhpat Industrial Area, Lahore	No Change
711		82122000	Razors, non-electric	Double edge razor blades and plastic bonded disposable razor	--	--	Treet Corporation Limited, 72-B, Kot Lakhpat Industrial Area, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
712		82141000	Pencil Sharpeners	For Pencils	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore 3) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi	No Change
713		83013000	Furniture Locks	Chrome plated	--	--	Babar Metal Industries, E/34, Estate Avenue, S.I.T.E., Karachi	No Change
714		83021010	SS 304 Hermatic and Hygine doors	SS 304, 316	--	--	SAMCON Associates 838-B Sabzazar Scheme Multan Road, Lahore.	No Change
715		83026000	Hydraulic Door Closure	Overhead Door Closer	Aluminum Body with Steel Parts & Hydraulic Oil	Aluminum Body with Steel Parts & Hydraulic Oil	Pak Precise Engineering (Pvt.) Ltd., 11 Km, Multan Road, (Hanjarwal) Lahore.	No Change
716		83030000	Metal Lockers, Vault Doors, Safe Lockers, Vaults, Fire resistant Safes and doors, Fire exit doors, Sound proof doors	Different sizes	Fire resistant, bullet resistant and thermal cutting resistant.	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi	No Change
717		83040000	i) Shelvings of base metal	Mobile Shelving (Compressed Filing System), For offices. Shelving for Supermarkets & Stores.	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi	No Change
			ii) Sorting Boxes for office use	Box Type Office and Base Metal for any Equipment	Skid mounted box type office, Living carvan, Kitchen, Laboratoires, Skid mounted medical treatment centre, toilets and rest houses etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi	No Change
718		83052000	Staples Pins of iron or steel	All Sizes	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700	No Change
719		83071000	i) Flexible Tube of Base Metals with or without fittings of Iron or Steel or other base metals	- Spiral/Corrugated/Wire Braided Flexible Hose/Tubes/Pipes, Sanitary & Tap's - Flexible Connection	O/D: 12, 14, & 16 mm Pressure: 5 Bar T.S: 500 N	S. Steel of 200, 300 series Brass & Aluminium	Faco Industries Ltd., 204, Bank & Business Centre, Near Duty Free Shop, Off. Shahra-e-Faisal Karachi.	No Change
Add	Add		ii) Flexible Steel Tubing/ Outer Casing with or without PVC/ PE liner in rolls used for Clutch/ Brake/ Throttle/ Meter Cables.	SWRH 62A/ 72A/ 62B/ 67B/ 62AB/ 72AB/ 62BB/ 67BB and other equivalent grades.	5mm, 6mm, 7mm, 8mm, 9mm and 7mm DS and other sizes under 10mm.	--	Pakistan Wire Industries (Pvt.) Ltd., E-51, Textile Avenue, SITE, Karachi.	Added as per request
720		83079000	i) Other Base Metal	- Spiral/Corrugated/Wire Braided Flexible Hose/Tubes/Pipes, Sanitary & Tap's - Flexible Connection	O/D: 12, 14, & 16 mm Pressure: 5 Bar T.S: 500 N	S. Steel of 200, 300 series Brass & Aluminium	Faco Industries Ltd., 204, Bank & Business Centre, Near Duty Free Shop, Off. Shahra-e-Faisal Karachi.	No Change
Add	Add		ii) Flexible Steel Tubing/ Outer Casing with or without PVC/ PE liner in rolls used for Clutch/ Brake/ Throttle/ Meter Cables.	SWRH 62A/ 72A/ 62B/ 67B/ 62AB/ 72AB/ 62BB/ 67BB and other equivalent grades.	5mm, 6mm, 7mm, 8mm, 9mm and 7mm DS and other sizes under 10mm.	--	Pakistan Wire Industries (Pvt.) Ltd., E-51, Textile Avenue, SITE, Karachi.	Added as per request
721		83082000	Rivets	Aluminum Blind Rivets Guages : 3.00, 4.20 & 4.80mm Lengths: 5.00 to 25.00mm	Aluminium tubes with steel mandrel.	Al. 98% Si 0.4%, Cu 0.2%, Mn 0.2%, Mg. 0.5 to 1.1%, Cr. 0.1%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
722		83099090	i) Threaded Bungs and bung-covers	2", 3/4" British Standard	--	--	Babar Metal Industries, E/34, Estate Avenue, S.I.T.E., Karachi	No Change
			ii) Aluminium PP Caps for Bottles	22mmPP; 25mmPP; 25mmRO; 28mmRO; 30*34mmED; 30*60mmED	--	Food Grade	Daim Pak (Pvt) Ltd., 18 Km Sheikhpura Road, Lahore	No Change
			iii) Aluminium Caps	20mm to 50mm	Aluminium caps	--	National Metal Packaging Ltd., Plot No. 148, Sector-30, K.I.A, Karachi-74900	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iv) Flip Off Seal	Pharma grade (INH Specifications)	Outer Dia: 22.0 mm Inner Dia of Aluminum: 20.0 mm Height of Al & Plastic: 8.5 mm Thickness of Al: 0.21 mm Color of Plastic: Blue		Ghani Metal & Rubber Industries (Pvt.) Ltd., Plot No. 62-A, Phase-II, M-3 Industrial City FIEDMC, Faisalabad.	No Change
723		8310.0010	Blank Plate: Retro-Reflective Blank Plate for Registration Number Plate of 2/3 Wheeler (Motorcycle, Rickshaw & Quinqi) with Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7% Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate).	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking. All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd. DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.	No Change
724		8310.0020	Blank Plate: Retro-Reflective Blank Plate for Registration Number Plate of 4 Wheeler & above (Motor Vehicle, Bus, Truck & Trawler etc) with Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7% Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate).	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd. DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.	No Change
725		8310.0030	Finished Plate: Retro-Reflective Embossed Plate for Registration Number Plate of 2/3 Wheeler (Motorcycle, Rickshaw & Quinqi) with all security feature markings & Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7%.Embosing height: 1.2 mm to 1.6 mm. Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate). DCR compalible with plate size 7 recognized through camera.	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd. DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.	No Change
726		8310.0090	Finished Plate: Retro-Reflective Embossed Plate for Registration Number Plate of 4 Wheeler & above (Motor Vehicle, Bus, Truck & Trawler etc) with all security feature markings & Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7%.Embosing height: 1.2 mm to 1.6 mm. Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate). DCR compalible with plate size 7 recognized through camera.	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd. DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.	No Change
727		83111000	i) Metal Electrodes	ASTM, JIS All International Spec	--	--	Chaudhri Electrode Industries (Pvt) Ltd., 29 Km Lahore Sheikupura Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Amend		ii) Welding Electrode (Mild Steel, Low Hydrogen, Cutting Electrode, Cellulosic, Hard Surfacing, Cast Iron, Stainless Steel)	AWS/ASME SFA-5.1 E6013, AWS/ASME SFA-5.1 E7018, AWS/ASME SFA-5.1 E7018 H4R, AWS/A5.1 E-7015, AWS/ASME SFA-5.1 E-60/7016, AWS/ASME SFA-5.4 E 312-16, JIS Z3251 DF3C-700-R, DIN 8555 E 1-UM-300, DIN 8555 E 6-UM-55, DIN 8555 E 6-UM-60 D, DIN E6-60, AWS/ASME SFA-5.15 E NIFE-C1, AWS/SFA-5.15 E CI 500, CUTTING ELECTRODE AWS:SFA-5.5 E 7010, AWS:SFA-5.1 E-6010	As per relevant AWS, DIN or JIS Standards	As per relevant AWS, DIN or JIS Standards	Shanghai Industries (Pvt.) Ltd., ~~Suite # 408, Marine Point, Block -9, Khayaban-e-Romi, Clifton, Karachi.~~ F-32, Mauripur Road, S.I.T.E., Karachi	Amended the specifications, properties and address of the company.
			iii) Special Stick Welding Electrodes	AWS: E 308L-16 AWS: E 316L-16 AWS: E 2209-17 AWS: E 309L-16 AWS: E 310-16 AWS: E 307-26 AWS: E 312-16 AWS: E NiCrFe - 3 AWS: E NiCrMo- 5 AWS: E NiCrFe - 2 AWS: E Ni C2 AWS: E NiFe- C1 AWS: CuSn-C AWS: CuSn- C/A DIN8555: E6- UM-55-PS DIN8555: E7- UM-250-K DIN8555: E10- UM-65-Z DIN8555: E4- UM-60(65W)-S DIN8555: E10- UM-65-GRZ DIN8555: E8- UM-250- KPN DIN8555: E10- UM-60-GZ	Different	Different	Metallogen (Pvt) Ltd., 175 – S, Industrial Estate, Kot Lakhpat, Town Ship, Lahore 54000.	No Change
			iv) Welding Electrode: (OVERCORD S, E-7018, NIFE-55, UNIVERSE, 80 R, DUR 350,V 1000 & INOX 29/9)	AWS/ASME SFA-5.1 E6013 AWS/ASME SFA-5.1 E7018 AWS/ASME SFA-5.15 E NiFe-C1 AWS/ASME SFA-5.1 E 7016 DIN 8555 E 6-UM-60 DIN 8555 E 1-UM-300 DIN 8555 E-10-UM-60 R AWS/ASME SFA-5.4 E 312-16	--	--	Pakistan Welding Electrodes (Pvt) Ltd., Plot No. E-19, S.I.T.E. Karachi	No Change
728		83112000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm (Excluding Fluxed cored stainless steel welding wire)	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
729		83113000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore	No Change
730		83119000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore	No Change
731		84021110	i) Boiler Feed Water Heaters	For upto 350 MW Boilers, ASME Sec. 1 / B.S.S. & as per customers requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
	Add		ii) Boilers, steam generating, watertube type/ iii) Oil/gas/bagasse fired water tube boiler iv) Coal /Biomas Fired Steam Boilers	i) Direct Fired Water Tube Boiler Capacity up to 350 TPH & 150 Kg/cm2) ii) UPTO 290 TPH, 136 Barg, 535°C iii) Oil/gas/bagasse fired water tube boiler upto 200 ton/hr capacity and 87 bar pressure Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	ASME Sec. 1	High pressure/Low pressure steam production	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 3) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 4) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 5) Heavy Mechanical Complex (Pvt) Ltd., Taxila 6) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 7) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi , 8) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 9) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard	Elite Engineering added as per request
			v) Thermal power plants	Thermal power plants upto 360MW	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
732		84021120	i) Waste Heat Recovery Boiler	Waste Heat Recovery Boiler (WHRB) capacity up to 350 TPH & 150 Kg/cm^2	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area , 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore 3) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
			ii) Boilers, steam generating, watertube type	Waste Heat Recovery Boilers, 1.5 to 50T/PH Capacity & pressure upto 6 bar to 50kg/cm2 inclusive of Parts & equipments	--	--	DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Waste Heat Recovery Boiler	As per client's requirment	--	--	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
733		84021130	i) Heat Recovery Steam Generators	Heat Recovery Steam Generators (HRSG) 200 MW, water tube type. Single or multiple unit, behind all types of Gas Turbines, Diesel and Gas Engines & as per customers requirements	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi	No Change
			ii) Condensers, Mixing Steam	Capacity up to 350 TPH & 150 BARG for (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator)	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change
734		84021190	i) Thermal power plants	Thermal power plants upto 360MW	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
			ii) Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road,	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
735		84021200	i) Boilers, steam generating, watertube type	i) Package Type Fire Tube (upto 30T/PH & pressure upto 24 to 50 kg/cm2 inclusive of Parts & equipments) ii) Upto 65 ton/hr, 40 kg/cm2, ASME Sec. 1 iii) Water tube boilers (4 HP TO 155 HP, 120,000 BTUS/HR to 5,200,000 BTUS/HR) iv) Steam Generators (100 to 1200 Kg/Hr steam output. v) Forced Draft, Water Tube Heater With Natural Gas (150,000 to 6,500,000 Btuh input) vi) 1 TPH ~ 100 TPH 1 BAR ~ 15 BAR, etc vii) Direct Fired Water Tube (up to 350 TPH & 500 Kg/cm2) viii) UPTO 290 TPH, upto 136 Barg, 535°C ix) Coal /Biomas Fired Steam Boilers (Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed)	As per clients requirement	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 6) Fabricon (Private) Limited, First Floor, Qazi House, ST-5, Block 16, Gulshan-e-Iqbal, Karachi-75300. 7) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore 8) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 9) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 10) Izhar Engineering (Pvt.) Ltd., Izhar	No Change
			ii) Duct Heaters Gas or Oil Fired iii) Electric Hot Water & Steam Boiler iv) Hot Water Storage Heater	As per client's requirment	As per clients requirement	--	Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi	No Change
			v) Oil/gas/ fired, water tube, membrane walled boilers	(upto 45 tons/hr, 64 Kg/cm^2 pressure) Bagasse fired (upto 45 tons/hr & pressure 42 Kg/cm^2	As per clients requirement	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
			vi) Thermal power plants	Thermal power plants upto 360MW	As per clients requirement	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
736		84021910	Fired Tube Boilers	i) Upto 45 tons/ hr/ More than 45 tons/ hr ii) Upto 25 ton/hr steam and 24 kg/cm2 pressure. iii) Up-to 30 TPH , 2PASS, 3 PASS and 4 PASS & as per customers requirements	As per clients requirement	--	1) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi - 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block New Garden Town, Lahore 7) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 8) Heavy Mechanical Complex (Pvt) Ltd., Taxila 9) Heavy Mechanical Complex-3, Hattar Road, Taxila 10) Descon Engineering Limited, DESCON Manufacturing Business	No Change
			Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
737		84021920	Waste Heat Recovery Boilers / Waste Heat Boilers (WHB's)	up to 350 TPH & 500 Kg/cm2 with steam turbine Behind Cement Kilns, Incinerators, Furnaces, Gen Sets & Other Process Applications Upto 136 Barg & as per customers requirements Any type of boiler / waste heat recovery, heat recovery steam generator excluding water tube	As per clients requirement	--	1) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 6) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 7) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad 8) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
738		84021930	Heat Recovery Steam Generators/ Other boilers	Behind gas turbines, gen sets upto 275 mw/ Any type of boiler / waste heat recovery, heat recovery steam generator excluding water tube	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
739		84021990	i) Complete Hybrid Boiler.	Saturated Steam, Furnace with Combustion Grate Deduster with accessories and auxiliary machinery for boiler comprising of boiler drum, economizer, draft fan and accessories 1-15 TPH, 12 Bar, 500 Kg/hr to 1000 KG/hr 2 Bar to 10 Bar & as per customers requirement	--	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road, 6) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
			ii) Boilers, vapour generating, excluding watertube type	i) Upto 20 ton/hr, 40 kg/cm^2, SME Sec. 1 / B.S.S. & as per customers requirements ii) 4 Pass , Fire Tube, 250 TO 1000 H.P.	Forced Draft, consisting, Shell, Fire Tubes, Tube Plates, ASME code	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi	No Change
			iii) Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road,	No Change
740		84022000	i) Boiler Superheaters	i) Capacity Up to 350 TPH, 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator), used for upto 350 MW Boilers, ASME Sec. 1 / B.S.S. & as per customers requirements ii) Upto 65 ton/hr, 40 kg/cm2, ASME Sec	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Boilers, high pressure	i) Upto 65 ton/hr, 40 kg/cm^2, ASME Sec. 1 ii) Upto 290 TPH, 136 barg, 535 C or As per customer's requirement iii) 1 TPH-100 TPH, 250-550 °C, 1Bar ~100 Bar	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi	No Change
741		84029090	Boiler Equipment/Parts	Parts/Accessories/Ancillaries of all types of Boilers like Drum, Deaerator, Economizer, Condenser, Evaporator, Tube Panel, Chimneys, Steel Structure, Cuts/ Chutes up to 350 TPH for upto 350 MW Boilers, Capacity , 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator) Drums for steam boilers (ASME, Corten Steel, Size as per capacity of boiler 3Ft Dia, 15 Ft Thickness - 5mm - 25mm 8" - 16" as per customers requirements)	ASME Sec. 1	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 7) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 8) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi	No Change
742		84031000	Boilers, central heating	Fire Tube, Dry Back,Boilers For Steam and Hot Water, All As Per AMSE Codes. 250 To 1000 H.P. , 3.8 Tons to 15.4 Tons	As per ASME Code	--	1) Industrial & Mechanical Engineers, 403, Noor Estate Building Shahrah-e-Faisal Karachi 2) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
743		84041000	Auxiliary plants for use with boilers of heading 84.02 or 84.03	Following equipments for water tube, fire tube, waste heat recovery boiler, heat recovery steam generator of capacity Up to 350 TPH, 150 BARG) (Economizer, Dearator, Air pre heater, Steam Coil Air Pre Heater, Evaporator, Silencer, Super Heater, Collector /Accumlator for Steam, Boiler Feed Water unit, Steam storage, Collectors for steam boilers, De-super-heaters for steam or vapour-Generating,	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers, 403, Noor Estate Building Shahrah-e-Faisal Karachi	No Change
744		84042000	Condensers for steam or other vapour power / Boilers	For Capacity up to 350 TPH & 150 BARG for (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator) - Evaporators, Vapour Cells, Falling Film Evaporators, Vacuum Pans, Vacuum Filters, Pressure Filters, Crystallizers, Heat Exchangers, Gas Scrubbers, Multi Trays Clarifiers, Multi Jet Condensers, Cascade Condensers, Rain & Shower Type Condensers, Fluidized Bed Dryers, Counter Flow Dryers, Rotary Dryers.	1) Evaporators upto 5500 mm dia & 10050 mm length. 2) Shell & Tube Type Pre Condensers upto 1700 mm dia & 6000 mm length. 3) Vertical Condensers upto 2012 mm dia & 6800 mm length. Horizontal Condensers upto 2012 mm dia & 6800 mm length. 4) Shell & Tube type Heat Exchangers upto 1700 mm dia & 5000 mm length. 5) Shell & Tube type evaporators upto 5500 mm dia & 14000 mm length.	In accordance to ASME Sec 1, TEMA HEI	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700	No Change
			Condensers, steam	i) Steam heating Coils (1HP, 1.5 HP, 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 20HP, 30HP, 40HP, 50HP, 60HP and 80HP & as per customers requirements) ii) Chilled Water Coils (Aluminium Fins-Coated & Un-coated) 6HP, 10HP, 12.5HP, 18HP, 25HP, 30HP, 38HP, 50HP, 60HP, 75HP and 100HP iii) Chilled Water Coils (Copper Fins) 10HP, 20HP, 30HP, 40HP, 50HP, 60HP and 80HP iv) Shell & Tube (Condensers/ Evaporators & Chillers) 3HP, 5HP, 7.5HP, 10HP, 15HP, 50HP and 75HP.	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
745		84051000	i. Gasifier (ALEX GASIFIERS) Series: PGF	Capacity: upto 30 MMBtu/hr Pressure: N/A, Temperature: N/A, Fuels: Coal/Biomass			Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi	No Change
			ii. Liquid Fuel Gasifier (ALEX GASIFIERS) Series: LGF	Capacity: upto 100 MMBtu/hr Pressure: upto 10 Bar, Temperature: N/A, Fuels: HFO, Diesel, Kerosine, Waste Oil, Condensate				No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
746		84068200	Combined Cycle Power Plants	As per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
747		84089000	Single Cylinder Diesel Engines	3HP to 36 HP	--	--	1) Best Engineers, 31-KM Ferozepur Road, Lahore 2) Perfect Engineering Company, Moza Bahi Kot, Raiwind, Industrial Estate, Raiwind, Lahore 3) Kam Engineering (Pvt) Ltd., Behind Glaxo Lab. Off 19 Km Ferozepur Road, Lahore	No Change
748		84109010	Parts of Hydraulic turbines, water wheels, and regulators	Radial Gates. Draft tube gates, fixed wheel gates, bulk head gates, penstock, draft tube, tail race liners, spirla/ involute turbine casing, head covers, botton rings, trash rack, sill beams, stop logs, wicket gates etc. (For any type and range)	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
749		84109090	Regulators for hydraulic turbines and water wheels / Penstocks	Penstocks of upto 10.6M dia x 40mm thickness, AISI, BS-7191, BS-5950 / As per client's requirment	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 5) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
750		84131100	i) CNG Dispenser	--	--	--	1) Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad 2) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700	No Change
			ii) Fuel Transfer Pump [Others]	Used for diesel/water transfer, Capacity: 1500 Ltr/min	Material: Carbon Steel	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
751		84131910	Acid Shifting Pump	Used for acid shifting, filling Capacity: 160 Ltr/min	Material: Alluminium with rubber hose	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
752		84133020	Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
753		84133090	Gear Oil Pump	Sizes a) Outter Dia upto 80mm b) Height upto 35mm As per customers requirements.	Hardness of upto 90 HRB. Also includes Grindings & other secondary operations	Iron / Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
	No PCT assigned		Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	Either to be deleted due to repeatition or to be clubbed with above entry.
754		84137011	Centrifugal pumps (Submersible)	i) Submersible motor sewage disposal pumps with non clogging impeller ii) Submersible motor water lubricated vertical bore hole single or multistage pumps	i) DN: 100-175,Q upto 480 m^3/hr, H upto 250 m. ii) DN: 75-350, Q upto 840 m3/hr, H upto 480m.	i) Cast Iron (GG-25), SS, Duplex and Super Duplex ii) Cast Iron (GG-25), Bronze (G-CuSn10), SS, Duplex, Super Duplex	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore	No Change
755		84137019	Submersible Pumps	i) Flow range from 2.4 m3/h (40 LPM) up to 156m3/h (2600 LPM), Head range from 3 meter (10 Feet) up to 567 meters (1860 Feet) ii) Flow range from 12 m3/h (200 LPM) up to 324m3/h (5400 LPM)Head range from 7 meter (23 Feet) up to 560 meters (1837 Feet)	i) Stainless steel fabricated laser welded diffusers & Impellers. ii) Casted diffuser & impellers.	i) Stainless Steel AISI 304 ii) Cast Iron GG25	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore	No Change
				iii) Upto 100 Watt	--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore	No Change
756		84137090	i) Centrifugal pumps	i) Stainless Steel Submersible Bore Hole Pump	--	--	1) HMA Pumps, 604, Israr Plaza, Ground Floor, Near Lane No. 5, Main Peshawar Road, Rawalpindi Cantt., 2) KSB Pumps Co. Ltd., 16/2, Sir Agha Khan Road, Lahore	No Change
				ii) Horizontal centrifugal pumps with non-clogging impeller (Excluding API 610 and NACE MR 0175 compliance)	DN: 40-700, Q: upto 10000 m^3/hr, H upto 100m.	Cast Iron (GG-25),Bronze (G-CuSn10),Ni Resist D-2,SS (1.4408),Duplex and Super Duplex		No Change
				iii) Single stage, Axially split volute casing pump with double flow impeller (Excluding Jet pumps and downhole positive displacement pumps for artificial lift from oil wells alongwith spares)	DN: 200-350,Q:2900 cu m/hr, H upto 100 m.	Cast Iron (GG-25),Stainless Steel		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Amend			iv) High Pressure Multistage-Vertical/ Horizontal Centrifugal Pump (WKF, WKL, MOVI) ~~in ring section design~~	~~DN: 40-150,Q: 760 m3/hr,H:630m (max pressure 63 bars)~~ DN: 25-150, Q: upto 500 m3/h, H: upto 600m, (Max. Pressure: 63 bar)	Cast Iron (GG-25),Cast Steel (GS-C25N), Stainless Steel & Sheet Metal 304, 316, Bronze		Amended on the request of KSB Pumps.
				v) Vertical single stage sewage and effluent disposal pumps in wet and dry pits design with non clogging impeller.	DN:65-700,Q upto 10000 m^3/hr, H upto 85 m.	Cast Iron (GG-25), Bronze(G-CuSn10), Wear Resist Nickel Cast Iron (ERN),Austenitic NiCrMo,Stainless Steel(1.4408),Creep Resist Ferritic,Cast Steel,Duplex and Super Duplex.		No Change
				vi) Vertical line shaft bore hole single or multistage pump (Excluding jet pumps and down hole positive displacement pumps artificial lift from oil wells along with spares)	DN: 80-500,Q upt 2600 m^3/hr, H upto 250 m.	Cast Iron (GG-25),Bronze (G-CuSn10),Ni-Resist D2 (ERN), Duplex and Super Duplex		No Change
				vii) Tubular Casing pumps	DN: 300-800, Q upto 9500 m^3/hr, H upto 50 m.	Cast Iron (GG-25),Ni-Resist D2,Stainless steel, Duplex and Super Duplex.		No Change
				viii) Multistage Vertical / Horizontal High Pressure Centrifugal Pump (CR) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 25-125. Q: up to 120 m3/h,H: 320 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304),Temp: 120 C°		No Change
				ix) Booster Pumping Station [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 25-125. Q: up to 420 m3/h,H: 200 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304),Temp: 120 C°		No Change
				x) Deep Well Turbine Pumps (BP) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 75-150. Q: up to 5-280 m3/h,H: 200 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304/316),Temp: 120 C°		No Change
				xi) Bore Hole Submersible Pump	DN 25-125. Q: up to 280 m3/h,H:	Stainless Steel DIN W.- Nr.		No Change
				xii) End Suction Single Stage Centrifugal Pump (NB/NP) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 32-200. Q: up to 450 m3/h,H: 120 m	Pump Housing Cast Iron (EN-GJL-250),Impeller Cast Iron / Bronze (EN-GJL-250/ CuSn10),Temp: 120 C°		No Change
				xiii) RPK Type in accordance with API 610 (6th Edition). (Excluding Jet Pumps and downhole positive dsiplacement pumps for artifical lift from Oil Wells Alongwith spares)	DN: 80-100 Q: up to 270 cumetre/hr H: up to 58 m RPM: up to 2900	Available in Cast Steel (GS-C25N) and Stainless -Steel (1.4408) in accordance with API 610 Material Combinations		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Self-Priming, Centrifugal, High-Pressure Pumps	Size: DN 50x50 to DN 600x500mm Flow: 10 gpm (2 cu.m/hr) to 30,000 gpm (6815 cu.m/hr) Pressure/Head: 10 ft (3m) to 140 ft (43m)	Casing: Ductile Iron ASTMA48/ Aluminum / Copper Alloy. Impeller:Close-Type, 5 To 6-Vanes. Cast Steel ASTMA48 / Bronze/ Copper Alloy / S.S. Impeller Shaft: Stress Proof Steel SAE1144 Wearing & Back Plates: ASTMA48 / Aluminum / Copper Alloy Flanges: ASTMA48 / Aluminum / Copper Alloy Gasket & O-Rings: Buna-N / Compressed Synthetic Rubber Mechanical Seal: Self-lubricated, self-aligning, double floating seal sustains max. liquid temperature up to 160F or 71ºC.	--	Meraj Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135, Karachi – 74900	No Change
			iii) Self-Priming, Centrifugal (Non-Clog) Trash Pumps/ Irrigation pumps	Size: DN 38x38mm to DN 450x450mm Flow: 50 gpm (11.4 cu.m/hr) to 8660 gpm (1970 cu.m/hr) Pressure/Head: 20 ft (6m) to 475 ft (145m)	Casing: Ductile Iron ASTMA48 / Impeller: Close-Type, 2 To 5-Vanes. Cast Steel ASTMA48 Impeller Shaft: Stress Proof Steel SAE1144 Wearing & Back Plates: ASTMA48 Flanges: ASTMA48 Gasket & O-Rings: Buna-N / Compressed Synthetic Rubber Mechanical Seal: Self-lubricated, self-aligning, double floating seal sustains max. liquid temperature up to 160F or 71ºC.	--		No Change
			iv) Combined Normal and High Pressure Fire Pump	Flow: 100 gpm (22.8 cu.m/hr) to 2000 gpm (455 cu.m/hr)	--	--		No Change
			v) Gland Pump Centrifugal Single stage end suction top discharge horizontal Shaft Tool mounted Pump.	Head : 15-210 feet Discharge : 3180-50 US gmp	Casing : S. S. (Commercial), Cast Iron Shaft : S.S., Carbon Steel Impeller : S.S., Bronze, Cast Iron Stuffing Box : Gland Packing, Mechanical Seal.		Golden Pumps (Pvt) Ltd., G.T. Road Gujranwala	No Change
757		84138100	Pumps	i) RPH Pumps Horizontal configuration in accordance with API 610 (11th Edition) suitable for all API Pump applications in chemical, Oil & Gas sector, energy and petrochemical industry	DN:25-400,Q upto 4150 m^3/hr, H upto 270 m,T:-70C to 450C.	Available in all types of material cmbination in accordance with API 610/ISO 13709	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore	No Change
				ii) Horizontal volute casing and suction pump with radial vane impeller (Excluding API 610 and NACE MR 0175 Compliance)	DN:32-300,Q upto 1900 m^3/hr, H upto 102 m.	--		No Change
				iii) RPK Type in accordance with API 610 (6th Edition). (Excluding Jet Pumps and downhole positive dsiplacement pumps for artifical lift from Oil Wells Alongwith spares)	DN: 80-100 Q: up to 270 cumetre/hr H: up to 58 m RPM: up to 2900	Available in Cast Steel (GS-C25N) and Stainless -Steel (1.4408) in accordance with API 610 Material Combinations		No Change
758		84144000	i) Air Compressor mounted on Wheeled Chasis / Air Compressor Mounted	0-15 bar screw type, 3.5-250 kw 4.5-12 kw	Screw type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore	No Change
			ii) Cyclone (Dust Collector)	Output: 5 - 15 TPB	To reduce moisture of grain and make it feasible for processing	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
759		84145110	Ceiling Fans	i) 80-88 Volts, not over 125 W	Grade - A	--	1) Metro Hi-Tech (Pvt.) Ltd., G.T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat	No Change
				ii) Size:56", Volts: 220/230, RPM: 315, Cycle: 50, Type: Capacitor, Watts: 70, Air Dislacement cu.ft. /min: 12000, Service Value: 170 Size: 48", Volts: 220/230, RPM: 330, Cycle: 50, Type: Capacitor, Watts: 62, Air Dislacement cu.ft. /min: 8500, Service Value: 140 Size: 36", Volts: 220/230, RPM: 400, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 6500, Service Value: 130	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat	No Change
760		84145120	Pedestal Fan	Size: 20", Volts: 220/230, RPM: 1300, Cycle: 50, Type: Capacitor, Watts: 75, Air Dislacement cu.ft. /min: 3500, Service Value: 46 Size: 22", Volts: 220/230, RPM: 1250, Cycle: 50, Type: Capacitor, Watts: 80, Air Dislacement cu.ft. /min: 5000, Service Value: 50 Size: 24", Volts: 220/230, RPM: 1250, Cycle: 50, Type: Capacitor, Watts: 110, Air Dislacement cu.ft. /min: 6000, Service Value: 48 Size: 26", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 110, Air Dislacement cu.ft. /min: 6000, Service Value: 46	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Super Asia Group of Companies, Near Lahori Octori, G. T Road, Gujranwala 3) Yunas Metal Works,(Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat 4) CECO Electrical Industries, G.T Road Gujrat	No Change
761		84145130	Table Fans	--	--	--	1) Super Asia Group of Companies, Near Lahori Octori, G. T Road, Gujranwala 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat 3) CECO Electrical Industries, G.T Road Gujrat	No Change
				1400mm Size = 56" Volts = 220v RPM=325 Cycles = 50 Type= Capacitor Watts = 80 Air Displacement Cft/Min = 8825 Service Value = 110.31	--	--	1) General Fan Company (Pvt) Ltd., G.T. Road, Gujrat 2) Yunas Metal Works, (Pvt) Ltd. (Yunas Fan) Yunas Colony, G. T Road Gujrat	No Change
				Size: 16", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 2500, Service Value: 45 Size: 18", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 65, Air Dislacement cu.ft. /min: 3000, Service Value: 46	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat	No Change
Add	Add		Universal Power Controller (UPC) Table Fan	Power: 10W-30W Solar Panel: 10W-30W Battery: Lithium-Ion Charging: Solar/Adapter	Metal/ Plastic Housing	--	Get Technologies (Pvt.) Ltd., Get Group, 24Km Main Ferozepur Road, Kahna Nau, Lahore.	Added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
762		84145140	i) Exhaust Fans	Size: 8", Volts: 220/230, RPM: 1400, Cycle: 50, Type: Capacitor, Watts: 30, Air Dislacement cu.ft. /min: 800, Service Value: 27 Size: 10", Volts: 220/230, RPM: 1400, Cycle: 50, Type: Capacitor, Watts: 35, Air Dislacement cu.ft. /min: 1000, Service Value: 29 Size: 12", Volts: 220/230, RPM: 14000, Cycle: 50, Type: Capacitor, Watts: 50, Air Dislacement cu.ft. /min: 1500, Service Value: 30 Size: 16", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 85, Air Dislacement cu.ft. /min: 2500, Service Value: 38 Size: 18", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 85, Air Dislacement cu.ft. /min: 3000, Service Value: 40 Size: 24", Volts: 220/230, RPM: 900, Cycle: 50, Type: Capacitor, Watts: 140, Air Dislacement cu.ft. /min: 6000, Service Value: 43	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat	No Change
			ii) Exhaust / vent Fans (Various Types);	300 to 129,000 cfm and as per customer requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
763		84145190	i) Box Fans/Misting Fan	1400mm Size = 56" RPM = 325 Cycles = 50 Type = Capacitor Watts = 80 Air Displacement CFT/Min = 8825 Service Value = 110.31	--	--	General Fan Company (Pvt) Ltd., G.T. Road, Gujrat	No Change
			ii) Other (Fans)	Bracket Fan: Size: 16", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 50, Air Dislacement cu.ft. /min: 2500, Service Value: 45 Size: 18", Volts: 220/230, RPM: 1300, Cycle: 50, Type: Capacitor, Watts: 65, Air Dislacement cu.ft. /min: 3000, Service Value: 46 Plastic Louver Fan: Size: 14", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 2000, Service Value: 36	--	--	Wahid Industries Ltd., G. T. Road, Gujrat	No Change
Add	Add		iii) Axial Fan Out door (Blade type) for AC	2P20, 35 Case, 12 Duke, 18 Duke, 24 Duke	109.4x490mm to 155.3 x 469mm, Hardness P 38, Tensile strength ≥10, Mpa, Elongation at break ≥150 %, Thermal deformation ≤40 %	AS GF 20%	Qingdao Hound Pakistan (Pvt.) Ltd., 19.5 KM, Raiwind Road, Lahore.	Name of Qingdao Hound added
764		84145910	i. Centrifugal Fans (VFB & VBI)	350-129,000 CFM and as per cutomer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii. Plug Fans	295-41200 CFM			Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
765		84145990	i) Industrial fans	- Rotor diameter upto 1.6 meter	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
				- Axial and Centrifugal Types of Centrifugal Fans: Backward, Forward, Radial Air Flow Rate Range: 1000 to 500,000 CFM Static Pressure Range: 0.1 to 150 inch of WG	Material: Aluminum, Stainless Steel, FRP	--	1) Jalal Engineering, B-425, Block 13, F.B. Area, Karachi – 75900 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
			ii) Split Package, Ceiling suspended/ Wall mounted/Floor standing units	up to 60000 btu/hr and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore	No Change
			iii) Length Grader (Rice Indented Cylinder)	Rotation Speed: 2900 RPM, Air Pressure: 600 - 2000 (Pa), Power: 3.5 - 30 Kw	To use as Dust Blower, Destoner Fan, Paddy/Rice cleaning	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke	No Change
			iv) Damper Valve	500mm to 5000mm dia, square & Round	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change
			v) Air Slides	300 Ton / hours	--	--		No Change
			vi) Industrial Fans	Fan with Rotor Dia Upto 3 mtr with Flow Volume Upto 735000 BM3/h	--	--		No Change
Add	Add		vii) Cross Flow Fan (Blower Type) for AC	30 Case, 40 Case, 50 Case, 12 Duke to 24 Duke	97.8 x 558mm to 107.9 x 839.3mm, Hardness P 38, Tensile strength ≥10 Mpa, Elongation at break ≥150%, Thermal deformation ≤40%	AS GF 20%	Qingdao Hound Pakistan (Pvt.) Ltd., 19.5 KM, Raiwind Road, Lahore.	Name of Qingdao Hound added
766		84146000	Kitchen Hood	60 to 90 cm Tempered Glass, VDF or LED Display, Filter, Chimney etc.	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala	No Change
767		84148010	Piston Type Compressor	300-500 bar pressure	Piston type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore	No Change
768		84148020	Low Pressure Compressor	0-15 bar screw type, 3.5-250 kw	Screw type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore	No Change
769		84148040	Air Curtains	680 to 1355 cfm and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore	No Change
770		84148090	Compression Skid	Reciprocating Types	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
771		84151019	Air Conditioners:	Window or wall type (9000 BTU, 12000 BTU, 18000 BTU, 24000 BTU along with commercial HVAC equipment upto 60000 BTU) and as per customer requirements	Window or wall type	--	1) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2, Islamabad 4) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 5) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi.	No Change
772		84151029	i) Air-conditioners, self-contained,split package	12000BTU to 240,000 BTU/hr - Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 4-30 Tons - Air Cooled split packeged 4-30 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - WCP-Water / air cooled packaged type A/Cs 3-150 Tons and as per customer requirements	Split Type/ package type	--	1) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2, Islamabad 4) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 5) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 6) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 7) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 8) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.	No Change
			ii) ECU Model Special Purpose cooling of Radars System	Custom Make	Precision Environment control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
773		84151099	i) Air-conditioners, self-contained, wall type	9000 BTU, 12000 BTU, 18000 BTU, 24000 BTU along with commercial HVAC equipment upto 1800000 BTU and as per customer requirements	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 4-30 Tons - Air Cooled split packeged 4-30 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water / air cooled packaged type A/Cs 4-42 Tons	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 4) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 5) Dawlance (Pvt) Ltd. , Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 6) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 7) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
			ii) Precision Cooling Split Package Air conditioners	18000 to 298640 btu/hr & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near	No Change
			iii) Fresh Air Units	300 to 20000 CFM, & as per customers requirements	--	--		No Change
774		84151099	i) Precision cabinets for solar based power generation	Custom Make	Precision Solar energy control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad	No Change
			ii) BMS Air conditioning	Custom Make	Integrated Air conditioning control	--		No Change
774		84152090	DC 24V-AC Package unit for vehicle air-conditioning	Custom Make	Exclusively designed with DC(Direct current) 24 V-AC	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change
775		84158190	i) Air Conditioners (Reverse Cycle)	i) Wall/floor/ceiling/cassette type etc.(9,000 to 30,000 Btu/hr) ii) Air Cooled Self Contained & Split Package Commerical (39,000 to 1800,000 Btu/hr) iii) Trolley mounted, self contained units (50,400 to 600,000 Btu/hr) iv) Air Cooled Split Type, Em Series (Cooling/ Heating) (49,200 / 49,500 Btu/hr) v) Water Cooled Packaged type (39,000 to 1800,000 Btu/hr) vi) Air Conditioning/ Heating Unit vii) Free Cooling Unit, Flexi Box 450/48 TWCA	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 3.25-150 Tons - Air Cooled split packeg 3,25-150 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water / air cooled packaged type A/Cs 3.25-150 Tons	--	1) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, Raiwind Road, Lahore 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 3) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 4) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad. 5) Habibullah Industries (Pvt) Ltd. , 3rd Floor, Progressive Plaza, Beamount Road, Civil Lines, Karachi. 6) Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 7) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 8) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Hybrid Cooling System	Up to 2000 CFM, & as per customers requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
776		84158290	i) Fan coil units	Fan Coil Units Ceiling Suspended ducted type, Fan Coil Units with Sheet Metal Body Industrial type. Computer Room Airconditioners 48,000 to 240000 BTU's/Hr & as per customers requirements with Humidifiers & Electric Heater.	--	--	1) Habibullah Industries (Pvt)Ltd, 3rd Floor, Progressive Plaza, Beamount Road,Civil Lines, Karachi 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
			ii) Refrigeration units for cold rooms & trucks	+15c to -40c and as per cutomer requirements	To Compress & Heat Exchange	--	1) Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore. 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
777		84158390	i) Air Handling Units	1500 to 50,000 cfm & as per customers requirements - HDT-Horizontal draw through - VDT-Vertical draw through - MZBT-Multi Zone blow through - SZBT-Single Zone blow through - DS-Double Skin	Construction with Bio-Pharma grade material and specified filters to control microbial counts. Plug Fan and Frequency Devices (VFDs) for pharmaceuticals industry	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Habibullah Industries (pvt) Ltd., 3rd Floor, Progressive Plaza, Beaumont Road, Civil Lines, Karachi 3) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 4) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 5) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.	No Change
			ii) Air handling/ Humidification / Filtration Plant	All Types and Sizes, Made up of G.I. sheets, M.S. Sheets, Angle Irons & Al Sheets etc.	For Textile Mills (Spinning, weaving, Knitting) Power Plants, Tobacco Factories, Paper Plants etc. etc.	--	1) Manstock Engineering Company (Pvt) Ltd., 11/A (Commercial), 2nd Floor, Sector XX, Kh.-e-Iqbal, Phase-3, Lahore Cantt. 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Air Conditioners:	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contain 3.25-150 Tons - Air Cooled split packeg 3.25-150 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water/air cooled packaged type A/Cs 3.25-150 Tons	--	--	1) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 4) Coolpoint (Pvt) Ltd , Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 5) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.	No Change
			iv) Fan Coil Units	300 to 2000 cfm & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore	No Change
			v) Electric Steam Humidifiers;	Steam output: (3.0 & 6.0 kg/Hr) & as per customers requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle Kahuta Road Islamabad	No Change
			vi) Hot Water Generators (Gas Fired);	Heating capacity: 35,000 to 360,000 & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore,	No Change
			vii) Evaporator Chillers	Custom Make	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore	No Change
			viii) Hybrid Sterile AHUs Special Purpose Air conditioning of OTs	Custom Make	Special purpose Air filtration & Air conditioning	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change
778		84159011	Evaporators, refrigerating	Evaporators (for Air Conditioners) 1HP (old model), 1HP (new model), 1.5HP (old model), 1.5HP (new model), 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 15HP, 20HP, 30HP, 40HP, 60HP, 80HP and 120HP.	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
779		84159019	i) Evaporators (other)	+15c to -40c	Aluminium Fin & Copper Tube	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
			ii) DX Evaporating Cooling With Diesel Furnace	Custom Make	Evaporative pad 85% efficiency Indirect fired heating technology	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
780		84159029	i) Condensers for Air-conditioners,	Condensers (Air-conditioners) (Coated & Uncoated) 1HP (old model), 1HP (new model), 1.5HP (old model), 1.5HP (new model), 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 15HP, 20HP, 30HP, 40HP, 60HP, 80HP and 120HP and customer requirements	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad	No Change
			ii) Condensers (others)	+15c to -40c	Aluminium Fin & Copper Tube	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
781		84159099	i) Cooling & Heating Coils used in air conditioners	Custom Made	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore	No Change
			ii) Heaters for Precision Heating	3.3 to 12 KW and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore	No Change
			iii) Motorized Dampers With Louvers	Custom Make	Aluminum, SS, GI, GS Volumetric Air control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change
			iv) Manual Air Dampers	Custom Make	Aluminum, SS, GI, GS Volumetric Air control	--		No Change
			v) Air Cleaning Unit Special Purpose Air Purification	Custom Make	Integrated Air conditioning control	--		No Change
782		84169000	Expansion Joints	100mm to 5500mm dia	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change
783		84171010	Kilns, non-electric	i) upto 5000 mm dia x 65 mm thickness, Capacity upto 4,000 TPD Cement Plants "HEI" (Heat Exchange Institute) ii) Rotary Kilns upto 556 Tons weight for Cement Plants. iii) Kiln for Cement Plant (As per requirement) iv) Kiln upto 5500 mm dia x Upto 70 mm thickness x 69 M length	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 5) Heavy Mechanical Complex (Pvt) Ltd., Taxila 6) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
784		84171090	Furnaces, Industrial , non-electric,	Heaters/Furnaces for Refineries and Fertilizer Plants upto 100,000 bpd & 970 tpd respectively "HEI" (Heat Exchange Institute)	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
785		84178000	Incinerators	Incinerators for disposal waste management as per site requirements upto 1000kg/Hrs	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change
786		84181090	Refrigeration/ freezing/air conditioning machines;	Combined refrigerator-freezers, fitted with separate external doors	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi	No Change
787		84182190	Refrigerators, compression-type, electrical, domestic	Refrigerators, House hold type (Compression type) Combined refrigerator-freezers, fitted with separate external doors	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 3) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore	No Change
788		84182990	Refrigeration/ freezing/air conditioning machines;	- Refrigerators (direct cool/no-frost) - Deep Freezers, - Triplet Freezers - Bottle coolers - CS (cold storage) split package Units (16000 to 106500 btu/hr) & as per customers requirements	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. and Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 3) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore 4) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 5) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore	No Change
789		84183090	Refrigeration/ freezing/air conditioning machines;	Freezers of the chest type, not exceeding 800 l capacity	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) United Refrigeration Industries Ltd. and Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 4) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
790		84184090	Refrigeration/ freezing/air conditioning machines;	Freezers of the upright type, not exceeding 900 litres capacity	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi	No Change
791		84185000	Refrigeration/ freezing/air conditioning machines;	Other furniture (chests, cabinets, display counters, show-cases and the like) for storage and display, incorporating refrigerating or freezing equipment.	--	--	1) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 2) Cool Industries Ltd (Waves), 9th KM Multan Road, Hanjarwal, Lahore 3) Varioline Intercool Pakistan (Pvt) Ltd., 3-Km, Ferozepur Road, Lahore 4) Mumtaz Engineering (Pvt) Ltd. 141- Industrial Area, Kot Lakhpat Lahore	No Change
792	Amend	84186910	Milk Cooling Tanks/ **Milk Chillers**	Milk chillers, direct expansion and ice bank type,capacities : uptill ~~3400~~ **10,000** liters , manufactured under license from "packo Inox-belgium"	--	--	Unitech International (Pvt.) Ltd., Plot # 09,Holiday Park, Musharafabad , Raiwind Road, Lahore.	specification amended as per the firm request.
793		84186920	Insulated Reefer Container	Size: 6' To 40' Temp Range +15c To c-40	--	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
794		84186939	Water Dispenser	Hot & Colsd Water Dispenser: Cooling capacity 3 L/h, Hot capacity 2 L/h, Refrigerator Compartment, Glass Panels, Compressor Cooling	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala	No Change
795		84186990	i) Cold Storage Units	Not below (–4°C) temp.	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi	No Change
			ii) Refrigerated containers/Cold Rooms/ Walk ins ii) Refrigeration Units and Insulated Reefer Boxes	Refrigerated Containers suitable for mounting on locally manufactured vehicles/chasis. Cold Rooms, Walk ins	--	--	1) Kold Kraft (Pvt) Ltd, 247/S, Industrial Estate, Kot Lakhpat, Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 4) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 5) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Air Cooled Packaged Water Chillers; (34,800 to 3600,000 Btu/hr) with scroll compressors iv) Water Cooled Packaged Water Chillers (40,200 to 3600,000 Btu/hr) with scroll technology vi) Air Cooled Screw chiller (336,000-4800,000 Btu/Hr) with screw compressors vii) Water Cooled Screw flooded type chiller (792,000-7200,000 Btu/Hr) with screw compressors		--	--	1) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 3) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 4) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad. 5) Habibullah Industries (Pvt) Ltd., 3rd Floor, Progressive Plaza, Beamount Road, Civil Lines, Karachi. 6) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 7) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change
			viii) Evaporators	For sugar mills Up to 1250 Tons per hours	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
			ix) Residential Containers, Offices, Dining Hall, Guard Rooms, Washrooms etc	- Containers suitable for mounting on locally manufactured vehicles/ chasis. - Insulated, Length up to 40ft, Width up to 10ft, Height up to 12ft	Fiber Glass Reinforced Plastic (FRP) - Steel Structure	As per standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
			x) Water and Air cooled chiller system	1 HP to 640 HP	--	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
796		84189100	Evaporators, refrigerating	--	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.	No Change
797		84189100	Coolers, evaporative air	Evaporators for Deep Freezers and Visi Coolers 1/5HP, 1/4HP, 1/3HP and 1/2hp	--	--	Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore	No Change
New	New	84189910	Pot Evaporator	Fin/tube on plate type and made of aluminum sheet/ tube bonded with Heat Exchanger	For domestic appliances	-	Optimize Engineering Core (Pvt.) Ltd., Plot No. W2/1/12 North Western Industrial Zone, Port Qasim Authority, Karachi	Name of Optimize core Eng. Included. Comments of PEMA required.
798		84189920	Wire Condensers	1/3HP, 1/4HP, 1/5HP, 1/6HP, 1/8HP, 1/10HP and 1/12HP	Steel Tube Copper Coated, Steel Wire and Black Powder Coating	--	Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
799		84189990	i) Condensers for Deep Freezers & Water Coolers	i) Condensers (For Deep Freezers & Visi Coolers) 1/5HP, 1/4HP, 1/3HP and 1/2HP ii) Condensers for Refrigerators (Sheet on Tube) 1/16HP, 1/12HP, 1/10HP, 1/8HP, 1/6HP, 1/5HP, 1/4HP and 1/3HP. iii) Condensers for Refrigerators (Wire on Tube) 1/12HP, 1/10HP, 1/8HP, 1/6HP, 1/5HP, 1/4HP and 1/3HP. iv) Bunch Condensers for Deep freezers & Water Coolers (Wire on Tube) 1/2HP - 8 Row, 1/3HP - 6 Row, 1/4HP - 4 Row, 1/5HP - 4 Row, 1/6HP - 3 Row, 1/8HP - 2 Row	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore	No Change
	Add		ii) Falling Film Evaporator	Heating Surface 55m2 Surface	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan **4) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
	Add		iii) Pig Launcher/ Reciever	As per requirement	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **4) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
			iv) Ref Grid Shelfs (Assorted Sizes)	Thickness from 2 mm to 7 mm powder coated/ LDPE coated 1*1 ft to 8*8 ft	Weight Load Capacity from 1 Kg to 100 Kg	M. S Wire Powder Paint/ LDPE Paint	Plascoat Systems, 18.5 Km Behind Wonhar Wood Furniture, Multan Road, Lahore	No Change
	New		v) Heat Exchanger (excluding Industrial Heat Exchangers)	Heat Exchanger made of Aluminum and or Copper	For domestic appliances	-	Optimize Engineering Core (Pvt.) Ltd., Plot No. W2/1/12 North Western Industrial Zone, Port Qasim Authority,	Name of Optimize core Eng. Included. Comments of PEMA required.
800		84191190	Instant Gas Water Heater	From 10 L to 100 Liter, Burner, safety device, various options of heat exhanger and burners	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala	No Change
801		84193400	Dehydration Plant	Ranging capacities to client's requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
802		84193900	Dryer/Spray Dryer Machine with all standard accessories	All Types and Sizes (except for vaccum dryers used in Tanneries)	--	--	1) The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala 2) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila 4) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
803		84194000	i) Falling Film Evaporator	Heating Surface 55m2 Surface	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
			ii) Crude Oil Distillation Towers/Columns / Distilling or rectifying plant	- For Refineries of upto 100,000 bpd and - for Chemical, Petrochemical & Fertilizer Plants (DiaxHeightxWall Thickness of Towers/ Columns (1500-3500 mm x 10000mm - 35000mm x 10-50mm), ASME Sec. VIII Div. 1 & 2 - Refinery/ Oil & Gas Distillation Towers Type = Atmospheric Pressure, Pressure and Vacuum Type Distillation Towers Pressure = Full Vacuum to 1500 PSI Temperature = -100 F to 600 F Material = Carbon Steel, Normalized Carbon Steel, Stainless Steel and Alloy Steel Maximum Length = 40000mm & Max. dia = 3400mm, Wall thickness = 5mm thk to 50.8mm thk, - As per Client's requirement. In accordance to ASME Sec VIII, Div 1& 2 / B.S.S.	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 3) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 4) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 5) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 6) FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi	No Change
			iii) Ethnol Plant/ equipment	Upto 100,000 L / day	--	--	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iv) Absorption Tower, Columns, Process Reactors, Heat Exchange, Condensers, Air Coolers, LPG/Oil/LNG Storage Tanks, Heat Recovery Boilers, Steel Structure, Process and Utility Piping, Gas Sweetning Unit, Amine Absorption, Flare Stack System, LPG Recovery Unit, Sulphur Recovery Unit, Process and Power Piping Installation and Modification	as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
			v) LPG AirMix Plants (Accord Syngas)	Capacity: 7 MMBtu/hr to 500 MMBtu/hr, Pressure: upto 10 Bar, Temperature: N/A, Fuels: LPG			Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
804		84195000	Heat exchange units, Industrial	i) Used to vapourize water, nitrogen (Material: SS 316L Cryogenic, Heat transfer : -300 to +300 °c) ii) Multi Blow Double Heat Exchangers. iii) Air Cooled Cross Flow Heat Exchangers. iv) Shell & Tube Type of Carbon, Alloy & SS, Range upto 2500 psi v) Shell & Tube Type (as per TEMA standard for oil /gas processing, chemical & fertilizer plants) v) Fixed & Floating Tube sheets with straight & U-Tubes. vi) Air Cooled with Finned Tubes of Carbon, Alloy & Non-Ferrous Materials ASME Sec. VIII Div. 1 & 2, TEMA, HEI, API-660, API-661, ANSI, B-78.1, ANSI B-78.2 vii) Type: U-Tube, Fixed, Floating, Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. viii) Plate Type (Gasketed) Heat	a. Type = Shell/ Tube, as per TEMA Standard Pressure Range = 15 PSI to 1500 PSI Temperature Range = -150 to 500F Material used = Carbon Steel, Stainless Steel, Brass and Alloy Minimum Dia = 300mm, Max Dia = 1500mm Minimum Length = 1000mm; Max Length = 10000mm b. Type = Fin Fan/ Air Cooled Cooler Pressure Range = 15 PSI to 1500 PSI Temperature Range = ambient to 600F Material used = Carbon Steel, Stainless Steel, Brass and Alloy Minimum Size = 5000mm; Max Size = 12000mm as per customers requirements	1) Air Cooled Cross Flow Heat Exchangers upto 45 Bars and Tube specifications as 9377 mm length, 2668 mm width & 972 mm height. 2) Shell & Tube Type Pre Condensers upto 1700 mm dia & 6000 mm length. 3) Vertical Condensers upto 2012 mm dia & 6800 mm length. 4) Horizontal Condensers upto 2012 mm dia & 6800 mm length. 5) Shell & Tube type Heat Exchangers upto 1700 mm dia & 5000 mm length. 6) Shell & Tube type evaporators upto 5500 mm dia & 14000 mm length.	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 3) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi. 7) Heavy Mechanical Complex (Pvt) Ltd., Taxila 8) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 9) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial	No Change
805	Add	84198100	Kettles, steam, Industrial	Pressure Vessels with steam heating helical coils inside and fitted with or without agitator. Diameter upto 5000mm, height 6000mm and wall thickness upto 30mm fabricated of carbon, alloy or stainless steel. ASME Sec. VIII Div. 1 & 2 & as per customers requirements Capacity Up to 350 TPH, 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator)	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore **6) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
806		84198910	i) Cooling Towers	Cooling Tower Designs: Counter flow and Cross flow Air Flow: Induced and Forced Fills: Film Fill and Splash Fill Type: Industrial and Package Size per Cell: 50 GPM to 12000 GPM Other Accessories: Drift Eliminators (PVC/FRP), FRP Louvers, FRP/GRP Water Distribution Header, Fan Blades, FRP/GRP Fan Stack etc.	Structure: Stainless Steel, Galvanized Mild Steel, FRP Pultruded Profiles, Stainless Steel, Concrete	--	1) Jalal Engineering, B-425, Block 13, F.B. Area, Karachi – 75900 2) ARCO International, 305-307, Poonch House Plaza, Adamjee Road, P.O. Box 1056, Rawalpindi 3) Imtiaz Engineering Services, 12, 3rd Floor, Hyder Plaza, Main Rashid Minhas Road, Gulshan-e-Iqbal, Block-5, Karachi 4) Liang Chi Industry Pakistan (Pvt) Ltd., 304 Anum Classic, 48 Darul Aman Society, Opposite Duty Free Shop, Shara-e-Faisal, Karachi - 75350 5) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
	Add		ii) Tanks, fitted with heating or cooling elements,	Atmospheric Tanks from 500 barrels to 380,000 barrels capacity. Large tanks can be of fixed roof, floating roof or dome roof. ASME Sec. VIII, Div. 1 & 2, API-650, API-620, API-12B, API-12D, API-12F	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 5) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi. **6) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
807	Add	84198990	i) Tanks, Receivers, Vessels, Drums and Other Containers	De-Ethanizer OH Drum, Blow Case Vessel, Water Degassing Boot, Expandor Suction Drum, Low Temperature Separator, De-Ethanizer Column, LPG/NGL Splitter OH Drum, Chilled Water Expansion Tank, Thermosyphon Receiver, Slops Tanks, Flare Knok out drum, NGL Flash Vessel, Condensate Flash Vessel, Digester & Reactor for Pulp & Paper Plant, Seal System Nitrogen Receiver, Instrument Air Receiver, Plant Air Receiver, Nitrogen Receiver, Knock Out Drums, Coalescer Vessels, Columns and Strippers, Spherical Tank (LPG), Absorption Tower, Columns, Process Reactors, Heat Exchange, Condensers, Air Coolers, Process And Utility Piping, Gas Sweetening Unit, Amine Absorption, Flare Stack System, LPG Recovery Unit, Sulphur Recovery Unit, Slug Catcher (Finger type, Vessel type), Shell & Tube Type of Carbon/Alloy/SS.	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore, 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi 7) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 8) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.	Elite Engineering added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Kettles for Pharmaceuticals Industry	Pressure Vessels with Limet Coil, Jackets for steam heating & cooling in stainless steel or higher alloys design as per ASME Sec. VIII Divt. 1 & 2 complete with agitator & variable / fixed speed drives & as per customers requirement.			DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
			iii) Thermal Oil Boiler System (Hot Oil Boiler)	All types/sizes	--	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) The Sitara Engineers, Nishatabad, Sheikhupura Road, 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
			iv) Complete Ethanol Plants / Equipment	Low carbon stainless steel, consisting of Distillation Columns, Shell and Tube Type Heat Exchangers, Fermentation tanks, Plant piping, Molasses Storage tanks, Bio Gas reactors and other large and small tanks. We also do complete erecting and installation of these plants.In accordance to ASME/ANSI 31.3, API 650, API 620, CODAP, TEMA type B&C / B.S.S. & as per customers requirements	Each Ethanol plant comprises of the following: 1) 10 nos of Distillation columns with diameter ranges from 300 mm to 2300 mm and length of upto 47000mm. 2) 13 nos of shell and tube type heat exchangers with dia 400 mm to 2450 mm. 3) 22 nos of tanks with dia 2200 mm to 6000 mm. All equipments are made from SS316L and SS304L	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.	No Change
			v) Pasteurizers, electro-thermic, Industrial	Juice and milk pasteurizers	--	--	NKR Engineering (pvt) Ltd., 304, Anum Classic, 48 Darul Amman Society, Opposite Duty Free Shop, Shahra-e-Faisal, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			vi) Crystallizers, Evaporators, sugar refining, Industrial	Sugar Mill eqpt.of upto 10,000tpd: Cane Carrier, Cane leveler, Cane cutting knives, Cane shredder, Prepared cane elevator, Cane crushing mills, cooling water piping, Inter conveyors, Service platform & gangways MS & SS receiving tanks, imbinition & juice piping, service hand box only, belt conveyor, Juice Heaters, Bucket elevator, Lime slaker, Flashing vessel, Door type & SRI type clarifier, Vacuum filters, Cascade condenser Mud overflow tank, Mud mixer Cyclone, bagacillo separator and ducting, Bagacillo screen with hopper Evaporators, Condensate receiver, Vacuum pans(batch type), Crystallizers (air cooled & water cooled) Vertical crystallizer, Open seed crystallizer, Vacuum crystallizers, Multi jet condensers, Continuous centrifugals, Feed mixer, Screw conveyor, Sugar remeltor, Magma minglers single/double paddle, Raw sugar remelter, First/ Second	1) Vertical Crystallizer upto 300 tons weight, 4000 mm diameter and 13000 mm length. 2) Air Cooled Crystallizer upto 3000 mm diameter and 5500 mm length. 3)Vacum Crystallizer upto 2800 mm diameter and 5000 mm length. 4) Agitators upto 8000 mm diameter and 6500 mm length. 5) Condensors upto 1400 mm diameter and 5600 mm length. 6) Seperators upto 1500 mm diameter and 9500 mm length. 7) Filters and screens upto 5000 mm dia and 6000 mm length. 8) Mixers upto 2400 mm dia and 8000 mm length. 9) Pressure Filters and Reactors upto 3000 mm dia and 4000 mm length. 10) Vacuum Filters upto 3000 mm dia and 6000 mm length	--	i) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 ii) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi iii) The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
808		84199090	Cooling & Heating Coils used in Refrigerators	Custom Made	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore	No Change
809		84211900	i) Cartridge Filtration Unit (filtering or purifying machinery)	Used to filter the brine, produced water, sediments transported by the fluid through cartridges. Capacity: 30 Cartridge upto 100 Cartridge (Dual POD) Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 100 psig Working Pressure: 75 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
			ii) Brine Filtration Unit / Bag Filteration Unit (filtering or purifying machinery)	Used to filter the sediments transported by the fluid through bag. Capacity: Duplex, Fourplex Or as per our client requirement.	Design Code: ASME Material: SS 316L Test Pressure: 100 psig Working Pressure: 75 psig	--		No Change
810		84212100	i) Sand Water Filter, Automatic Water Softner, Activated Carbon Filter Water Pressure Booster	As per client's requirment	--	--	Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi	No Change
			ii) Pressure Sand Filter, Multi Media Filter, (Automatic/Manual Operation) Cartridge Filters	Filteration Media Sand, Gravel, Anthracite (all capacities for all industrial sectors)	--	--	1) Water Engineering & Management Services, 19-N, Model Town Extension, Lahore 2) Fluid Technology International, Plot No. F45, SITE-II, Super Highway, Scheme 33, Karachi 3) B. H Industries (Pvt) Ltd., 05-Chenab Market Madina Town Faisalabad 4) FD & C (Pvt) Ltd., F -116, S.I.T.E.	No Change
			iii) Activated Carbon Filter (Automatic/Manual Operation)	Filtration Media Granular or Powderd Activated Carbon (all capacities for all industrial sectors)	--	--		No Change
			iv) Iron Removal Filters (Automatic / Manaul Operation)	Filtration Media Birm, Filter Ag and Manganese Green (all capacities for all industrial sectors)	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			v) Water Softener Plants (Automatic & Manual Operation)	Filling Media Cation Exchange Resin (all capacities for all industrial sectors)	--	--	Karachi 5) Aqua Regia, House No. 33, G-4 Johar Town Lahore 6) Faiz Enterprises, 3/II, Shadman Plaza Shadman Market Lahore 7) Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi	No Change
			vi) Demineralized/ De-ionization Plant [Continous Electro de Ionization (CEDI) and Electro De Ionization (EDI)] comprising of cation exchange column, Anion Exchange column, De-alkalizer, Degassifier, De carbonation column & Mix Bed Polisher column. (Automatic & Manual Operation)	Strong, Weak Cation & anion Exchange Resin including Mixed Bed Grade (all capacities for all industrial sectors)	--	--		No Change
			vii) Automatic WFI / Distilled Water Plant	(all capacities for all industrial sectors)	--	--		No Change
			viii) Rerverse Osmosis (RO) / Desalination Plants	Removal of ions / salts through Reverso Osmosis Membranes. (all capacities for all industrial sectors)	--	--		No Change
			ix) Ultra Filtration (UF) Plants	Removal of Suspended Solids through Ultra Filtration Membranes (all capacities for all industrial sectors)	--	--		No Change
			x) Nano Filteration (NF) Plants	Removal of Selective ion through Nano Filtration Membranes (all capacities for all industrial sectors)	--	--		No Change
			xi) Industrial Wastewater / Effluent Treatment Plant	Biological System (Aerobic/Anaerobic), Membrane Bio Reactor (MBR), Dissolved Air Floatation (DAF) Unit, (all capacities for all industrial sectors)	--	--		No Change
			xii) Sewage Treatment Plant	Biological System (Aerobic/Anaerobic) (all capacities for all industrial sectors)	--	--		No Change
811		84212900	i) Dearator Feed Tank Vessel	as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
			ii) Filters for oil refineries	As per fabrication drawings and Client's requirement.	Sand Filters for Oil Refineries. Inner dia 1980mm x 2930mm length. All water collection and Air distribution system is made of SS-304 material	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Fluid Technology International, Plot No. F45, SITE-II, Super Highway, Scheme 33, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Air Filters / Oil Filters	Air Filters for Power Generation and Customized Industrial application other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd., 80-Badami Bagh, P.O. Box 465, Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi 4) Essa Engineering Industries (Pvt) Ltd., S-19/A, g. Allana Road, S.I.T.E, Karachi	No Change
			iv) Clarifiers	36' x 18' (upto 141000 Gallons) Dorr Olive, SRI, FCB Type	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
812		84213940	Air Filters	Other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi	No Change
813		84213950	Bag Filters	Other than automotive Used for air filtration as substitute of cartage air filter and also used for removal of dry and wet smokes for cleaning the air or controlling the pollution as part of national environmental quality standards. (All Types and Sizes)	Usages: Gas turbines, generators, (air intake for circulation) cement, Coal power stations for controlling the emissions for environmental controls, dust collectors, vacuum cleaners and for all the machines which are producing fumes, unwanted vapors which act as air cleaner for operation as creating suction or for purpose of environment standard compliance. Bag filters are also used for liquid filtration in which case the filter media is for filtration of liquid and with the change of filter media the character of bag filtration can be changed.	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi 4) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
814	Add	84213990	i) Incinerators for Oil and Gas/Refinery and Industrial units ii) Gas Filter Separators iii) Two Phase / Three Phase Separators v) Instrument Gas Scrubbers vi) Deodorizer Vessel vii) Guel Gas Scrubber viii) Vertical Scrubber (Capacity. Flow 450 mmcfd) ix) Incenerators			-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 4) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore, 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. **8) Elite Engineering (Pvt.) Ltd., 23 KM Off Raiwind Road Near ZAMCO Factory, Lahore**	Elite Engineering added as per request
			x) Hepa Filter	Used for clean & purified air by pharmaceutical industry and other allied industries, health sector and labs	--	--	Malik Auto and Agricultural Ind. (Pvt) Ltd., 8th K.M. Raiwind Road, Lahore	No Change
			xi) Filters, vacuum	For Sugar mills and other allied Industries .In accordance to ASME sec VIII Div 1 & 2.	Having diameters of 3500mm and length of 6000mm ASME Sec. VIII, Div. 1 & 2	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700	No Change
			xii) Plate and frame type filter	36' x 36' (upto 650' filtering) For Ceramic & Sugar Industry	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
			xiii) Vacuum Filter	13' x 32' - 1310 filtering area, Rotary Filter type	--	--		No Change
			xiv) Pressure Filter	As per Sugar Industry Specifications and other as per client design	--	--		No Change
			xv) Filters, Air	Other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xvi) Gas Filter Separator System	Dia 8", 12", 18", 24" and 30" with optional instruments like level gauges, pressure gauges, level controller, control valve pressure regulator etc. Equipment tobe complete with quick opening end enclosure, filter elements and mist eliminator	Design Pressure 1400 psig; Temp. 130ºF, Flow ASME "U", Stamp coded to Section VIII Div. I. Flow Range from 1 mmscfd to 150 mmscfd.	Standard	1) DDFC (Pvt.) Ltd. , 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
Add	Add		xvii) Dry Gas Filter/ Strainer, Filter Seperator and Element Filter	Dia 2" to 8"	--	--	A.U Engineering & Construction (Pvt.) Ltd., Flat No.1, 1st Floor Khursheed Plaza, Plot No. SB-33, Block-13/C Gulashan-e-Iqbal, Opp. Urdu Science University, Karachi.	A.U added as per the request.
815		84223000	i) Machines, filling, for bottles, cans,	Variable specifications as per requirements for Juice, Water Treatment, Cosmatics and liquid Food processing.	--	--	Al-Qarni Flow Tech International, 9/34 Civic Centre New Garden Town, Lahore	No Change
			ii) Liquid / Solid & Bulk Packaging Machines	Liquid Packaging Machines Output:1000 to 2700 pouches/hr, Capacity : 5ml to 5000ml, Weight: 200-550 kg Dimensions:L:600~872mm x W:355-830 mm x H: 1795~3000 mm Solid Packaging Machines Output:18-45 pouches/min, Capacity:5-2000 grams, Weight: 575 to 600 Kgs Dimensions: L:1110-1160 mm x W:830-1700 mm x H: 2080~2750 mm Bulk Packaging Machines Metering Mode:Weighing (Net weight form) Output: 6~9 bag per min, Capacity: 05~50 Kg (20~100 kg for oversized ones), Weight: 800 kgs, Weight accuracy: 0.2%, Dimensions: 3700 (variable depending on the conveyor) x 1600 x 3100 mm	Pouch Type: pillow/standing shape, center/side/sachet 3 side, 4 side seal with or without photocell or continuous /centralized design Options: Strip applicator, date coding system, English folding system, feeding conveyor, conveyor, thermic sealing system. Packaging Materials: PE, BOPP, PP, nylon, laminate, cotton, jute, paper aluminum foil etc. Water:100 Ltr/hr, 2° C > 10°, P 2 bar Air : 800 Ltr / min, P 6 bar Power : 220/380 V, 1 phase & 3 phase, 50 Hz, 2~7 KW	--	Prepac Engineering Industries (Pvt) Ltd., Plot No. 20 Rasheed Industrial Estate, 18 KM Feroze Pur Road, Lahore	No Change
			iii) Automatic vertical form-fill-seal machine for liquid, viscous & semi viscous products	PRODUCTS: edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, sauces, gel, recota cheese, water, shampoo, Liquid choclate. Capacity:2-15ml; 20-100 ml; 100-1000 ml; 1000-5000 ml, Output Speed:600-1200 packs/ hour; 1200-2400 packs/hour; 2400~5000 packs/ hour; 5000~10000 packs/ hour	Pouch Shape: 3 side seal, 4 side seal center seal stand pouch	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iv) Automatic vertical form-fill-seal machine for solid, granule, powder, ununiform shaped products	PRODUCTS: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder, cereals, frozen vegetables, frozen fruits Capacity: 2g to 15g; 20g to 100g; 100g to 1000g; 1000g to 10000g, Output Speed: 600~1200 packs/hour; 1200~2400 packs/hour; 2400~5000 packs/ hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch	--		No Change
			v) Automatic HFS pre-made bag filling machine for packaging of all type of liquid & solid products	PRODUCTS: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity: 20-100g; 100-1000g; 1000-10000g, Output Speed: 600-1200 packs/hour; 1200-2400 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch flat bottom Doy pouch zipper pouch	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			vi) Semi automatic bag filling machine for packaging of solid products granule, powder, ununiform shaped products	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder, cereals, frozen vegetables, frozen fruits Capacity: 2g to 15g; 20g to 100g; 100g to 1000g; 01 kg to 05 kg; 05 kg to 10 kg; 10 kg to 50 kg; 50 kg to 100 kg Output Speed: 600~1200 packs/hour; 1200~2400 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch Flat bottom Doy pouch zipper pouch cotton bags jute bags PP woven bags	--		No Change
			vii) Automatic VFFS multilane machine for liquid & solid products	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity: 02g to 05g; 05g to 20g; 20g to 100g, Output Speed: 4000~9000 packs/hour; 9000~20000 packs/hour; 20000~36000 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			viii) Bottle & Jar filling machine for	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity : 20-100g, 100-1000g, 01-10 kg, 10-20 kg. Output Speed: 600-1200 packs/hour 1200~2400 packs/hour, 2400~4800 packs/hour 4800~7200 packs/hour	--	--		No Change
816		84224000	Pharmaceutical Machines	Cream Ointment & Paste Processing and packaging machines Capacity upto 1500 Kg/Hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi	No Change
817		84241000	Fire Extinguishers	Fire Extinguishers of AFFF Type Size: 10 litres (portable); 45 and 150 litres (Trolly mounted); 1000 litres (trailer mounted) Dry Powder Type Size: 1 to 12 Kg (portable); 20 to 100 Kgs (trolley mounted; 250, 500, 1000kgs (trailer mounted) Halotron-1 Type Size: 1 to 12 Kg (portable); 20 to 100 Kgs (trolley mounted); 250, 500kgs (trailer mounted) Water type Size: 10 litres (portable); 45 & 150 litres (trolley mounted)	--	--	Haseen Habib Corporation [Pvt] Limited, 123/3 Quaid e Azam Industrial Estate, Lahore	No Change
818		84261110	Cranes	Overhead travelling cranes 0.5 tons to 300 tons Desing Code/ Standards: FEM, CMAA.	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
				•Electric Overhead Cranes •Hand Operated Cranes •Gantry Cranes •Double boom level luffing cranes. •Magnetic Crane. Ranging Capacities to Client's Requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
819		84261990	Grantry Cranes	0.5 tons to 250 tons.	--	--	1) Heavy Mechanical Complex (Pvt) Ltd. Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila	No Change
820		84263000	Jib Cranes	Jib cranes upto 5 tons and monorail cranes upto 10 tons	--	--	1) Heavy Mechanical Complex (Pvt) Ltd. Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila	No Change
821		84264100	Catering High Loader	Catering High Loader Upto 22Ft Working Height from ground Suitable for aircraft upto Boeing 777	--	--	1) Bilal Engineering Company G.T Road Opp. Rescue 1122 Office, Pindi Bypass, Gujranwala 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
822		84269100	Cranes, designed for mounting on road vehicles	Lift Capacity: 800, 1000, 1500, 2000, 2500 and 3000 kgs. Can be Mounted on any available local truck chassis.	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
823		84269900	Cableways / Cable trays	Ladder Type & Perforated Type (size 100mm ~ 700mm wide)	--	--	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change
				Ladder Type & Perforated Type with & without covers (size 50mm ~ 300mm wide)	Fiber Glass Reinforced Plastic	Corrosion Resistant	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850	No Change
824		84272010	Forklift Truck	Upto 3 tons lifting capacity	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore	No Change
825		84272090	Other works trucks fitted with lifting or handling equipment	--	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore	No Change
826		84283100	Conveyors, continuous-action, for goods or materials (Specially designed for underground use)	Width = 1,000 mm Length = 100 Meters BS-6318 & as per customers requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
827		84283200	Bucket Elevators	Bucket capacity = 0.3 cubic meters Height = 30 Meters BS-6318	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
828		84283300	Belt Conveyors	Width = 1,000 mm Length = 100 Meters BS-6318	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
829		84283910	Conveyors (for Cement plants)	Width = 1,000 mm Length = 100 Meters BS-2890 & as per customer requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
830		84283990	Conveyors	Width = 1,000 mm Length = 100 Meters BS-2890 & as per customer requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore	No Change
New	New	84289090	Multi-Level Automotive Parking System	Vehicles Parking System of the following types/design: i. Lift Type Parking, ii. Rotary Parking, iii. 2-Post Parking, iv. Ramp Type Parking	--	--	Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	New entry added as per Izhar Eng. Request.
831		84292000	Graders	50 Tons per hours	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
832		84294000	Static Road Rollers	Static Road Rollers 10 to 12 tons Upto 55 HP	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change
833		84295100	i) Loaders, shovel, front-end, mechanical, self-propelled	1 - 3 cub meter bucket handler tractor front end loader for Industrial and Agricultural work.	[Bucket Attachment of the Tractor used on the front Side of Tractor for the Uplifting of Garbage or Construction Disposables.]	--	Agripak International, A - 263 Block - C, North Nazimabad, Karachi	No Change
			ii) Front End Loaders for Tractor	loading and lifting of material	Tractor Attachment	--	Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
			iii) Front-end shovel loader	--	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore	No Change
834		84304100	Mud Tank/ Mud Suction Tank With Valves And Gates	Used for mud mixing Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	i) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. Ii) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
835		84304900	Mud Tank/ Mud Suction Tank With Valves And Gates	Used for mud mixing Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	i) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. Ii) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
836		84314900	i) Blades for Tractors	Dozing Blades for different hp of Tractors; Width: 6ft, 7ft, 8ft	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
			ii) Cutting Bottle	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
			iii) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--		No Change
			iv) Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--		No Change
837		84321010	Chisel ploughs, for agricultural Machines	Ploughs for 2,3,4,5 Discs. Reversible and Standard with tubular frame. With 2 Discs: 42” With 3 Discs: 63” With 4 Discs: 84” With 5 Discs: 105”	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
838		84321090	Ploughs, for agricultural Machines	Ploughs for 2,3,4,5 Discs. Reversible and Standard with tubular frame. With 2 Discs: 42” With 3 Discs: 63” With 4 Discs: 84” With 5 Discs: 105”	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
839		84322100	Harrows, disc, for agricultural Machines	14, 16, 18, 22 and more discs with hydraulic attachments With 14 Discs: Front 70” & Rear 65” With 16 Discs: Front 78” & Rear 70” With 18 Discs: Front 86” & Rear 78” With 22 Discs: Front 102” & Rear 94”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
840		84322910	Cultivators, for agricultural Machines	5, 9, 11, 14, 19 tines with ront and fixed frame. Have an options with Tyres assembly and Hydraulic Functions With 5 Tines: 66” With 9 Tines: 86” With 11 Tines: 96” With 13 Tines: 106” With 19 Tines: 146”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
841		84324100	Spreaders, manure	200lit fertilizer spreaders tractor mounted, and pto operated.	--	--	Agripak International, A - 263 Block - C, North Nazimabad, Karachi	No Change
842		84328090	Machines, stone-removing, agricultural	Laser Land Leveling system consisting of: 1. Rotary laser transmitter 2. 360 degree laser receiver 3. Control Box 4. Bottomless bucket hydraulic scraper	Minimum 300 meter radius operating range Within one millimeter per 20 meter level accuracy 0 to 50 degree Celsius operating temperature Moisture and dust proof Mil.Spec. C-5015 electrical connectors	--	Pakistan Atomic Energy Commission, Applied Physics Division, PINSTECH, Nilore, Islamabad	No Change
843		84329000	Mouldboards for plough	2,3,4 furrows with Hydraulically Revisible and One-way Simple fabrication. For 2 Furrow: 32” For 3 Furrow: 60” For 4 Furrow: 88”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala	No Change
844		84331100	i) lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
			ii) Tree Transplanter	Digging and Trenching	--	--	Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road,	No Change
			iii) Backhoe / Excavator	Digging and Trenching	Tractor Attachment	--		No Change
845		84331900	lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
846		84332000	lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
847		84371000	i) Rice Husking Machine (Huller)	Output : 1200 ~ 2000kg/h of rice Power : 12 ~18.5kw 4D Huller: Output:1800-2500kg/h of rice Power : 9 ~15kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
			ii) Horizontal Type SM-18 Emery Roller rice Polisher	Jet-Air Emery Doll Rice Husker & Whitener: Output : 2000 ~ 2500kg/h of rice Power : 18.5 ~ 22kw	--	--		No Change
			iii) Rice Polisher NF-14	Jet-Air Emery Roll Rice Whitener & Polisher: Output : 1500 ~ 2100kg/h of rice Power : 18.5kw	--	--		No Change
848		84378000	i) Danish Type Vertical Flour grinder.	Vertical Type Flour & Spices Grinding Machine. (Chukki):, Output wheat:160-240kg/h of Flour, Power : 7.5kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
			ii) Disk Mill 45	Output wheat:200-300kg/h of Flour, Power:12kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
			iii) Paddy Cleaner (Pre-Cleaner)	Power: 0.75 x 2KW	Removing light & heavy impurity from Paddy	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke	No Change
			iv) Combi Cleaner	Power: 0.75 x 2 Kw	Removing light & heavy impurity from Rice	--		No Change
			v) (Rotary/Vibrating Cleaner)	Power: 5.5 - 7.5 Kw Aspiration Capacity: 3000 - 4500 m2/h)	Paddy Hulling Removing the Rice from its peels	--		No Change
			vi) Paddy Husskar	Output: 0.9 - 1.8 TPH, Air Volume: 3600 - 10800 m3/h	To separate husk from brown rice	--		No Change
			vii) (Pneumatic/Double Pneumatic Husker	Sieves: 20 -40 Units, Power: 2.2 - 4 Kw	To separate paddy from brown rice	--		No Change
			viii) Husk Separator/ Paddy Separator (All Type)	Cylinder: V-Wire S.S. Cyliner, No. of Cyliner: 4 - 8 Units	To separate immature grains from rice	--		No Change
			ix) Thickness Grader	Power: 37 - 55 Kw, Air Volume: 40 - 80 m3/min, Static Pressure: 1.0 - 1.5 Kpa	To remove brown layer from Rice and give bright whiteness from raw rice	--		No Change
			x) Width Grader	Complete Automatic Operation No of Roll: Single, Shaft Material: S.S., Control: PLC, Power: 45 - 75 Kw	To give silky shine with less brokage to rice	--		No Change
			xi) Vertical Emery Roller Whitener (All Type of Rice Whitener)	Power: 4Kw, Rotating Speed: 180 - 220 RPM	To separate broken rice from head rice very efficiently	--		No Change
			xii) Water Polisher/Silky Polisher (All Type of Rice Polisher)	Power: 1.5 - 2.2 Kw, Output: 2.5 - 5 TPH	To separate rice & broken rice by the advatage of length difference	--		No Change
			xiii) Rotary Air Lock Valve Feeder	Output: 5 - 10 TPH, Power: 250 - 400 Kw	To produce high quality export rice	--		No Change
			xiv) Grain Dryer (All Types)	Output: 3 - 8 TPH, Power: 150 - 250 Kw	To produce good quality raw rice for further re-processing	--		No Change
			xv) Rice Processing Plant (Complete Rice Milling Unit)	Output: 400 - 1000 Bags/Batch	To make parboiled (Sela) Rice	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xvi) Rotary Sifter/Rice Grading Machine	Power: 1.5 TO 7.5 Kw, Low speed, Compact design, Noiseless, Vibration less	To drive the raw material (Paddy/Rice) from one machine to another	--		No Change
849		84379000	i) Emery Stones	Different sizes which are 10",12",14",16",20",24",30".	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.	No Change
			ii) Bucket Elevator (Belt Conveyor)	Diameter: 36 - 72 inch Material: M.S/S.S.	To collect dust from every machine by means of suction blower	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke	No Change
			iii) Suction Blower (Centrifugal Fan)	Power: 0.75 - 1.5 Kw Rotary Speed: 45 R/min	To seal, discharge and dust catch of pneumatic transportation or ventilation dust catch network at processing plant	--		No Change
850		84383010	Sugar Plant / Equipment	Complete Sugar plants upto 12000 TCD	Mill Roller (various types) – for Sugar Mills (Local & Export Customers)	Different As Per Client Requirements	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
851		84383090	i) Diffusing apparatusfor sugar extraction,	For upto 6,000 TCD Sugar Plant API 650, API 620, ASME Sec. VIII Div. 1	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
			ii) Extracting Equipment	Equipment for extraction in sugar industry: Cane Carrier. Cane leveler. Cane cutting knives. Cane shredder Prepared cane elevator Cane crushing mills Mill cooling water piping. Inter conveyors Service platform & gangways Receiving tanks made of mild steel & stainless	1) High extraction can crushing rollers with hydraullic arrangement and feed rollers. 2) De- Pithers. 3) Cane Shredders upto 8000 TCD. 4) Cane Cutters upto 5060 mm wide. 5) Centrifugal machines. 6) Chip Board forming machines. 7) Brequetting Presses. 8) Rotary Bagasse Feeders for Boilers. 9) Cane Levellers. 10) Lime Slackers.	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700	No Change
			iii) Diffusing apparatusfor sugar extraction,	As per fabrication drawings and Client's requirement. In accordance to API 650, API 620, ASME Sec VIII Div 1				No Change
852		84388090	i) Machines, cutting and rolling, for tea	As per fabrication drawings and Client's requirement.	--	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700	No Change
			ii) Agitator for sugar plants	Up to 40 Feet dia, As per Client Specification	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala	No Change
853		84389010	of machines of heading 8438.3000 and 8438.4000	as per customer requirements	--	--	Qadbros Engineering (Pvt) Ltd. 9-A Link Ravi Road, Badami Bagh, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
854		84454010	Weft Pirn Winder	- Horizontal Type used for filling of bobbins for weaving process. Machine stops automatically after completion of Bobbins. The capacity is from 12 spindles to 48 Spindles. - Vertical Type used for filling of bobbins for weaving process. Machine stops automatically after completion of Bobbins. The capacity is from 12 spindles to 48 Spindles.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
855		84454020	Cone Winders.	For the rewinding of cones in weaving mills. Machine stops automatically after completion of Process. The capacity is from 06 spindles to 48 Spindles.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
856		84454090	Sectional Warping Machines	from 72" to 210" widths. For the filling of warp beams for all kind of looms. Mechanical machines equipped with Auto electric warp stop motion, variable motor system. Creel capacity as per requirement.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
857		84462100	i) Terry Towel Drop Box Shuttle loom.	Shuttle power loom for the Weaving of Export Quality Terry Towel products. Loom width ranging from 64" to 105".	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
			ii) Automatic Cop Change Shuttle Loom	For weaving of Towel and Fabric. For fabric: width of loom from 44" to 126". For Towel: width of loom, from 64" to 105". The ejection of empty bobbin from shuttle and insertion of filled bobbin from magazine to shuttle is automatic.	--	--		No Change
			iii) Grey Cloth Plain Shuttle Loom.	From 44" to 120" width Grey Cloth Plain Shuttle Looms used for the weaving of fabric.	--	--		No Change
858		84463000	i) Terry Towel Rapier Loom.	With Provision of Manual and electronic Jacquard, Paper and Electronic dobby. Width of looms from 76" to 110". Shuttle less technology used for the weaving of terry towel products. Paper and Electronic dobby can be used on the loom. Up to 18 Nos frames can be operated. 4 Clours, clour selector is installed. The manual and electronic Jacquard can also be fitted on these looms.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
			ii) Grey Cloth Rapier Looms.	With Provision of Manual and electronic Jacquard, Paper and Electronic dobby. Grey Cloth Rapier loom. Width of looms from 56" to 134". Shuttless technology used for the weaving of fabric. Electronic and manual Jacquards are used on these looms. The Paper and Electronic dobby can also be installed.	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
859		84481100	Dobbies for looms	Mechanical, used for the designing of different kind of Towel and fabric, and also used for the brand name writing on the edge of fabric. Range, from 8 lever to 22 levers, 1 cylinder to 4 cylinders in heavy and light duty.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
860		84483330	Spinning Ring	Any Size, Alloy bearing steal	Alloy bearing steal	Chrome plated	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.	No Change
861		84483900	i) Textile Spinning Ring Rubber Cots ii) Textile Spinning simplex Rubber Cots iii) Textile Spinning Dawing Rubber Cots	Any Size with any Hardness with aluminium bush inside.	press fit type with aluminium bush	antistatic properties, Ozone resistance, vegetable oil resistance, abrasion resistance moisture resistance, tear resistance	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.	No Change
			iv) Mesh Apron/Lattice Apron For Compact, Spinning	Any Size with, any mesh	nylon, monofilament, resistant yarn	antistatic resistance, tear resistance, abrasion resistance, moisture resistance		No Change
862		84484210	Reeds for looms	i) Profile / Terry Reeds Density: 3.0 d/cm to 40 d/cm, M/c width: 150 cm to 390 cm ii) Flat Reeds. Density: 3.0 d/cm to 40 d/cm, M/c width: 150 cm to 390 cm Tunnel Reeds for Air Jet looms, Flat reeds for Water Jet, Rapier, Projectile, Shuttless and Shuttle looms, Double / towel looms Circular reeds, Sizing reeds, Knotting reeds (All sizes and counts)	i) Highest quality Stainless Steel ii) Highest quality Carbon/ Stainless Steel	i) Stainless Steel: 90% aluminum: 5% Misc: 5% ii) Carbon Stainless Steel: 90% aluminum: 5% Misc: 5%	1) Textile Technics (Pvt.) Ltd., 6th Floor EFU House, Gulberg Road, Lahore 2) Abid Industries, E-43, SITE, Karachi – 75700	No Change
863		84484290	Heald-frames for textile weaving Machines	Heald Frames for shuttless looms in all sizes	--	--	Abid Industries, E-43, SITE, Karachi – 75700	No Change
864		84484990	Beams and Emry Rolls	Forall types of looms and weaving machines	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.	No Change
865		84501290	Washing machines	Voltage: 220V AC, Net Weight Kgs: 19.60, Gross Weight Kgs: 24.00, General Operation Duration: 1-15 minutes, Frequency: 50/60 HZ, Input: 220 Volts/ 175 watts, Capacity of wash tub: 85 litres With built-in centrifugal dryer	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi.	No Change
866		84501919	Washing machines	Voltage: 220V AC, Net Weight Kgs: 19.60, Gross Weight Kgs: 24.00, General Operation Duration: 1-15 minutes, Frequency: 50/60 HZ, Input: 220 Volts/ 175 watts, Capacity of wash tub: 85 litres	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Wahid Industries Ltd., G. T. Road, Gujrat	No Change
867		84501999	Washing machines	Single Tub Washer	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Wahid Industries Ltd., G. T. Road, Gujrat	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
868		84542000	Ingot Moulds and Ladles	As per customer requirements	--	--	Qadbros Engineering (Pvt) Ltd. 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
869		84581100	i) CNC Lathes, horizontal, numerically controlled	Desktop CNC Lathe with X=145, Z=225, with CNC Control, Center distance 270mm, for Educational & Training Institutes	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
			ii) CNC Milling Machine numerically controlled	Desktop CNC Milling Machine with X=240, Y=170, Z=220, CNC Control, Table 500x160. for Educational & Training Institutes				No Change
			iii) CNC Turning Centre numerically controlled	CNC Control, and Tool Turret. with X=190, Z=400, Swing 380mm, Center distance 450mm, for mass production				No Change
			iv) CNC Lathe numerically controlled	CNC Control, and Tool Turret. with X=150, Z=600, Swing 365mm, Center distance 700mm, for Production and Educational purpose				No Change
870		84581900	Lathes, horizontal, Precision type with and without DRO	Precision Centre Lathe Centre distance upto 1500 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
871		84592910	Machine-tools, Drilling by removing metal, not numerically Controlled	i) Universal Drilling Machine with Drilling capacity upto 32mm & boring capacity upto 65 mm in Cast Iron ii) Pillar Drilling Machine with Drill Capacity upto 20 mm in Steel	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
872		84593100	Machine-tools, boring Milling by removing metal, (Numerically Controlled)	Modular boring Heads, 02 ways & 4 ways configuration. Drilling Capacity 32 mm in Cast Iron & 25mm In steel.	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
873		84593910	Machine-tools, boring by removing metal	Vertical Copy Milling, Drilling boring Machine Drill Dia 25 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
874		84595100	Machine-tools, Milling by removing metal, numerically controled	Desktop PC Based for Educational & Training Institutes Milling Machine, Knee Type Numerically Controlled	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
875		84595910	Machine-tools, Milling by removing metal, knee-type,	Knee Type Milling Machine Horizontal, Vertical & Universal Version with long Traverse upto 810 mm and table size upto 1300x300 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
876		84596910	Machine-tools, Milling by removing metal, not numerically controled	Turret Milling Machine (Bridge Port Type) Travels long. 750, Cross 300, Vert. 400 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
877		84596920	Machine-tools, Milling by removing metal, not numerically controled	Universal Engraving Machine Clamp Area 500x200 mm Pantograph ratio 1:1 to 1:50	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
878		84615010	i) Hack Sawing Machine	Diemension of Saw Blade 450x32x1.6x10mm, Round Bar Dia 180mm, Squar Bar 160x160mm, Flat 180mm, Stoke 160mm	Stoke 160 mm	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Band Sawing Machine	Band Speed 16-30-52-98 m/min, Blade Size16"x1 1/4" x0.042" 4876,8 x 31.75x1mm, Size 2430x700x1180 mm, weight 700 kg	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
879		84642090	i) Polishing Machines		--	--	Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi.	No Change
			ii) Diamond Wire Saw Stone Cutting Machine	Diamond Wire Linear Speed 30-50 m/Sec, Feed 300-1000 mm/min, length of Rail 2-3 meter, size 880x800x730, weight 650kg to 2000 kg, Flywheel die meter 405mm to 1000 mm	- D75 HP, D50 HP, D25 HP	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
			iii) Down the Hole Drilling	Hight/Width max 2870 x 680mm, Rotation speed max 70rpm, Hammer up/down 5m/min, Drilling Depth max, 15m, Hammer and Road Diameter Max 90mm, Air Consumption 5100 L/m, Supply Pressure 6-7 bar, Machine Weight 160 kg	- Drilling Depth 15 m	--		No Change
			iv) Air Pillow Plant	Machine Tools for working stone, ceramics concrete asbestos-cement	--	--		No Change
880		84659110	Machine-tools, sawing, for working wood/ cork/ hard rubber	Blade Length not exceeding 45.7 cm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
881		84713010	i) Desktop Computer	With all Intel AMD Processor	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
Add	Add		ii) Laptop	i5, i7 Ultra-core (Brand name Edge)	--	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur	Added as per request of the firm
882		84713020	i) Mini PC Barebone	Mini Pc barebone without processor, Ram, HDD with 7^{th} & 8^{th} Generation motherboard	--	--	OneApple International Corporation, Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
			ii) All in One Computer	All in one computer with Intel & AMD all type of processor including DDR3 & DDR4 ram screen size 18.5", 19.5", 21.5", 27", 32"	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
883		84715000	SNMP to MODBUS Protocol Converter	Intelligent SNMP Master to MODBUS Slave converter specially tailored to suit telecom requirement where remort monitoring of Ethernet/SNMP enabled devices is required over standard MODBUS interface. Used for monitoring of large rectifires, UPS & environment equipment in data centers. Operating Voltage Range: 12-35Vdc. Power Consumption: < 3 watts. SNMP Manager Port: Standard Ethernet Interface. MODBUS Slave Port: RS485. Baud Rate: upto 115200 bps (default: 9600bps). Connector (for configuration): USB	Enclosure: ABS Plastic. Mounting Style: Din Rail / Panel Mount Dimensions: 90x115x40 mm. Weight: 150g	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
884		84716010	Wired Keyboard	Wired keyboard in PS/2, USB port	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
885		84716020	Mouse	Mouse in PS/2, USB port	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
886		84732100	Biometric Time Attendance Control Solution	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.	No Change
887		84741010	Cement Plant/ equipment /Machines, screening, for earth, stone,	Chain Cleats, End Carriage, Steel Mandrills, Kiln Supporting Structures, Clinker Dryer Shell, Apron Feeder, Screw Conveyors, Air Slide Conveyors, Pan Conveyor, Bucket Elevators, Chain Conveyors, Dust Collectors, Dust Chamber, Cyclones, Hoppers / Silos, Clinker Cooler's Supporting Structure, Kiln shell, M.S Pans, Fabrication of vertical grinding Mill (VR-7), Grate Coolers, Electrostatic Precipitators for Kiln & Cooler de-dusting up gradation	For Cement Plants of upto 3500 TONS/DAY AISI	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
888		84741020	Machines, screening, for earth, stone,	For Cement Plants of upto 3500 TONS/DAY AISI	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi	No Change
889		84742010	Machines, grinding / crushing, for earth, stones,	For Cement Plants of upto 3500 TONS/DAY AISI	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
890		84742090	Machines, crushing, for earth, stone,	As per fabrication drawings and Client's requirement.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-75700 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
891		84748090	i) Machines, agglomerating, for mineral products	Two three phase separators, absorption tower columns wall thickness upto 120 mm, process reactors wall thickness up to 120 mm , pressure vessels based on ASME codes, tubular heat exchangers tema standards, tubular condensers TEMA standards, plain / fin tube air collar , LPG storage tanks base on ASME codes , Oil storage tanks base on API codes , Heat recovery boilers, steel structures, process & utilities piping off ,site utilities, Gas sweetening unit ,Amine absorption unit ,Gas dehydration unit, Glycol dehydration plant, Flare Stack system, LPG recovery unit, Sulphur recovery unit.	--	--	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change
			ii) Storage Tanks/Pressure Vessels	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
892		84749020	Parts of Cement plant	Cement plant upto 4000 TPD	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
893		84796000	Room Air Coolers	Power source: 220 CV/230V, 50 Hz, Fan Speed: High 1350 RPM, Low 1150 RPM, Water Tank Capacity: 60 litres, Net weight: 45.50 Kg, Gross wieght: 49.50 Kg	--	--	Wahid Industries Ltd., G. T. Road, Gujrat	No Change
894		84798290	i) Pharmaceutical Machines	Mixer/ Blenders Capacity upto 5.0 tons/ hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi	No Change
			ii) Gas / Fuel Conditioning Skids . Instrument Gas Scrubber Skid . Sour Gas Conditioning Skid . Scrubbers . Filters	Stainless Steel, Carbon Steel, Alloy Steel & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.	No Change
895		84798990	i) Pig Launcher/ Reciever	As per requirement	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Dehumidifiers/ Desiccant Dehumidifier	De-humidifying capacity: (50L/day to 120 L/day) CFM (Process Air) : 100 to 200	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle Kahuta Road Islamabad	No Change
			iii) 2 and 3 Phase Separators (Test & Production)	60 MMSCFD & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
			iv) Pharmaceutical Machines	i) Cream Ointment & Paste Processing and packaging machines, Capacity upto 1500 Kg/Hr ii) Tablet Processing Machines (i) Wet Granulator & Kneader Capacity upto 1 ton/ batch (ii) Dryer Capacity upto 1 ton/ batch (iii) Milling and wet/ dry sizer Capacity upto 800 Kg/hr (iv) Sifter and Sever Capacity upto 500 Kg/Hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi	No Change
			v) Gas / Fuel Conditioning Skids . Instrument Gas Scrubber Skid . Sour Gas Conditioning Skid . Scrubbers . Filters	Stainless Steel, Carbon Steel, Alloy Steel & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.	No Change
896		84798990	i) Refrigerated Dehumidifiers	Up to 250 Liters/24 Hrs. & as per customers requirements RH(relative humidity) Control	continuous physical absorption of moisture through the air		1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad	No Change
			ii) Desiccant Dehumidifier	Up to 12000 CFM of process Air & as per customers requirements RH (relative humidity) Control Special purpose Dehumidigfication	Optimum RH control			No Change
897		84799010	Evaporative Cooling Pad	H(mm)=2000 & 1000 W(mm)=600 D(mm)=150,100	Brown Clour, Water Absorbing, Paper Product Bear High Pressure i-e air	Does not affected by Acids Bases, impregnated by phenolic thermosetting resin, protected from fungi bacteria	Superkool (Pvt) Limited, Opposit Haji Park Sialkot Bypass near Beacon House School, Gujranwala.	No Change
898		84799090	Vacuum Pans for sugar mills	120 Tons Strike Cap. For Sugar Mills	--	--	1) The Star Mughal Industries (Pvt) Ltd., Sharifpuraa, G.T. Road Gujranwala 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore	No Change
899		84807900	Graphite Mould & Handle for Exothermic Welding	NTDC-WAPDA P-114:82	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore	No Change
900		84813000	i) Check Valves	i) Cast Steel Check Valves Flanged 2" to 18" (excluding valves complying with valid API 6D ans NACE compliance)	As per API - 600	ASTM-A 216 WCB	Popular Pipe Fitting Manufacturers 24-Shalamar Town Lahore	No Change
				ii) B.S. 5153; upto 24" dia (excluding valves complying with valid API 6D ans NACE compliance)	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
				iii) ANSI B 16.5; upto 24" dia (excluding valves complying with valid API 6D ans NACE compliance)	Cast Steel/ Carbon Steel	A216 GrWCB		No Change
			ii) Non Return Valves also known as Check Valves.	(a) Swing Type: Sizes: 1-1/2" to 24", Standard: BS 5153 & BS 4090 & BS 12334. JIS 10K, JIS 16K, Class 125 & Class 150 (b) Wafer Type: Sizes: 1-1/2" to 24", Standards: BS 5155 & BS 593, JIS 10K, JIS 16K (c) Lift Check Valve (Spring Loaded): Sizes: 1-1/2" to 24", Standards: DIN 3230 & EN 558, JIS 10K, JIS 16K (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16, PN-25 & Class 125 & Class 150 Temp. rating: Upto 200°C, upto 350°C, Pressure rating: PN-10 & PN-16, Temp. rating: Upto 200°C, Upto 350°C, Pressure rating: PN-10, PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	SAFCO (Scon Valves), 32 BI Main Gulberg, Lahore.	No Change
			iii) Tube Valves for Bicycle Tubes (TR1 28/32 VAR 28/32), Motorcycle tubes (TR4), Light Truck tubes (TR13, TR15), Motorcycle/Rickshaw/Sccoter tubes (TR87, DIN7777, JS87C), Passenger Cars (TR413)				Topnotch Rubber and Metal Industrial Co. Ltd., Plot No. 35A, FIEDMC, sahianwala, Faisalabad	No Change
901		84814000	i) Air Relief Valves	Kinetic: upto 24" dia (Excluding valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000)	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore	No Change
			ii) Safety shut off valve Model # LA/BP250 iii) Safety shut off valve Model # LA/TR-507	LFC-968 / LFC-969	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
902		84818090	i) Gate Valves/ Sluice Valves	i) B.S.S. 5163, 5150, 3464, 1218, AWWA C-500; upto 24" dia [Excluding Critical Downhole valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000]	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore	No Change
				ii) ANSI B 16.5; upto 24 " dia [Excluding valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000]	Cast Steel/ Carbon Steel	A216 GrWCB		No Change
				iii) Cast Steel Gate Valves Flanged OS & Y Type Solid Wedge. 2" to 18" (excluding valves with NACE compliance)	As per API - 600	ASTM-A 216 WCB	Popular Pipe Fitting Manufacturers, 24-Shalamar Town Lahore	No Change
				iv) PN1.6, DN 50, 65, 80, 100, 125, 150, 250, PN10, DN 50, 100, 150, 250, 300, PN2.5,DN 20, 25, 50, 65, 80, 100, 200, 250, PN4.0,DN 50, 80, 100, 125, 150	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) C.I. Gate Valves	i) Cast Iron Gate Valves Flanged 2" to 20" ii) Cast Iron Globe Valves Flanged 2" to 14" iii) Cast Iron Check Valves Flanged 2" to 16"	--	Grey Cast Iron		No Change
			iii) C.I. Rubber Diaphragm Valves	Cast Iron Rubber Diaphragm Valves 2" to 10"	--	Grey Cast Iron		No Change
			iv) Globe Valves	Cast Steel Globe Valves Flanged 2" to 14" (excluding valves complying with NACE)	--	ASTM-A 216 WCB		No Change
			v) Stop Valves	PN 10, DN 25, PN 1.6,DN 20, DN10 PN10,	--	--		No Change
			vi) Gate Valve, Rising Stem (OS&Y) & Non Rising Stem also known as SLUCE Valve.	Sizes: 2" to 24"- Standards: BS 5150 & EN 1171, Class 125, JIS 10K, JIS 16K, Class 150 & DIN 3352-1 (PN10) (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16 , PN-25 & Class 125 & Class 150 Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	SAFCO (Scon Valves), 32 BI Main Gulberg, Lahore.	No Change
			vii) Globe Valve, also known as Steam Valve.	Sizes: 1/2" to 24"- Standards: DIN 3230 & EN 558 & JIS 10K, JIS 16K, Class 150 & Class 125 (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN25 & Class 125 & Class 150, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3		No Change
			viii) Strainer Valve also known as (Filter).	Sizes: 2" to 24" (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3		No Change
			ix) Double Regulating Valve also known as Balancing Valve & Combination Flow Regulating Valve & Circuit Setter Valve	Sizes: 2-1/2" to 12"- Standards: BS 5152 & EN 13789 (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3		No Change
			x) Butterfly Valve (Wafer Type)	Sizes: 2" to 24"- Standards: BS 5155 & EN 558 & DIN 3202 & EN 593 & Class 125 & Class 150, & JIS 10K, JIS 16K (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3		No Change
	Add		xi) Service Valve Lock Wing Type	3/4"x1/2" with insulated Union **and without insulated Union**	Elongation 30%, Breaking load 21132.8 kg	ASTM A-126, C-3.45%, Si-1.88%, Mn-0.50	1) Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi **2) Hussaini Trading Co., Plot No. 53, Sector 6, New Karachi Industrial Area, Karachi.**	Hussaini added as per request
Add	Add		xii) 1/2" Meter Lock Cock	dimension: 1/2"	Elongation 30%, Breaking load 21132.8 kg	ASTM A-126, C-3.45%, Si-1.88%, Mn-0.50	Hussaini Trading Co., Plot No. 53, Sector 6, New Karachi Industrial Area, Karachi.	Hussaini added as per request
903		84821000	i) UC Bearing (UC204 upto UC216) ii) Ball Bearing (6200ZZ/2RS upto 6218ZZ/2RS, 6300ZZ/2RS upto 6318ZZ/ 2RS, 6403ZZ/2RS upto 6418		--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala	No Change
904		84822000	Tapered Roller Bearing	30202 upto 30222, 30302 upto 30322 32203 upto 32222, 32303 upto 32322 11590/11520 upto 738249/ 7380248, 48548, 67048, 25590, 11949 etc	--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
905		84823000	Spherical Roller Bearing	22205 upto 22222 22308 upto 22322	--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala	No Change
906		84832000	i) Cylindirical Self Lubricating bushes	Used in Home Appliances (Fans, Washing Machines etc.), Door Closers, Weaving Machines and other misc. equipments. As per company / customers requirements	ID = 6 - 50 mm, OD = 9 - 60 mm, Length = 6 - 50 mm, Hardness in 0-90 HRB	(a) Iron = Balance, Copper = 12 - 18% (b) Iron = Balance, Copper = 0 - 2%, Carbon = 0 - 0.6% (c) Copper = Bal., Tin = 8.5-9.5% (d) Copper = Bal., Iron <= 25%, Tin = 6.5-7.5%, Carbon <= 0.8%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
			ii) Flange Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 14 - 60 mm. Flange Height = 2 - 5 mm, Hardness in 0-90 HRB			No Change
			iii) Spherical Self Lubricating bushes					No Change
			iv) Spherical Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 40 mm max, Flange Height = 35 mm max, Hardness in 0-90 HRB			No Change
907		84833020	Bearings, Plain Shafts, excluding carbon or graphite.	Self Lubricating, Sintered bearings. ID : 40mm, OD : 50mm, Lengths : 65mm	Cylindrical, Flanged and Spherical.	97% Iron & 3% Copper, 80% Iron & 20% Copper, 80% Copper and 20% Iron and 100% Bronze.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
908		84833090	i) Cylindirical Self Lubricating bushes	Used in Home Appliances (Fans, Washing Machines etc.), Door Closers, Weaving Machines and other misc. equipments. As per company / customers requirements	ID = 6 - 50 mm, OD = 9 - 60 mm, Length = 6 - 50 mm, Hardness in 0-90 HRB	(a) Iron = Balance, Copper = 12 - 18% (b) Iron = Balance, Copper = 0 - 2%, Carbon = 0 - 0.6% (c) Copper = Bal., Tin = 8.5-9.5% (d) Copper = Bal., Iron <= 25%, Tin = 6.5-7.5%, Carbon <= 0.8%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
			ii) Flange Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 14 - 60 mm, Flange Height = 2 - 5 mm, Hardness in 0-90 HRB			No Change
			iii) Spherical Self Lubricating bushes					No Change
			iv) Spherical Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 40 mm max, Flange Height = 35 mm max, Hardness in 0-90 HRB			No Change
909		84834019	Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
910		84834090	i) Gears, power transmission	Ring, spiral bevel, spur, shafts & couplers	Hardened and carburized	Various grades of mild steel	1) Millat Equipment Ltd., 10 KM, Raiwind Road Lahore 2) Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
			ii) Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi	No Change
911		85011000	AC Synchronous Moving Motor	Upto 7 Watt	Metal body	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore	No Change
912		85013100	DC Connector with O/P power of not exceed 12 kw	4.5-12 kw	DC O/P Generator	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore	No Change
913		85014010	Single Phase Squirrel cage electric induction motors	200V-240V, 50HZ, Range : 0.5 HP (0.37KW) to 2HP (1.5KW)	--	--	MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore	No Change
914		85014090	Single Phase Squirrel cage electric induction motors	200V-240V, 50HZ, Range : 0.5 HP (0.37KW) to 2HP (1.5KW)	--	--	MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore	No Change
915		85015190	i) 3-Phase Vertical hollow shaft electric motors.	380V-480V, 50/60 Hz Range : 10HP (7.5Kw) to 220Hp (164Kw)			MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore	No Change
			ii) Electric Motors (Low Voltage Induction Motors)	Horizontal, Vertical, Solid Shaft & Hollow Shaft Motors. 3 phase squirrel cage Induction motor excluding flame proof motors, Range 0.55KW to 355KW Efficiency Class IE1 & IE2	-	-	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore	No Change
916		85015210	Submersible Electric Motors of Stainless Steel	Range (4 KW to 75 KW), 3-Phase, 380-415V 50/60Hz and 6 - Inch, 8 - Inch, NEMA Standard	Water/ Oil Cooled, Rewindable Stator	Stainless Steel AISI-304	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore	No Change
917		85015310	Electric Motors (Low Voltage Induction Motors)	Horizontal, Vertical, Solid Shaft & Hollow Shaft Motors. 3 phase squirrel cage Induction motor excluding flame proof motors, Range 0.55KW to 355KW Efficiency Class IE1 & IE2	-	-	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore	No Change
918		85015320	Submersible Electric Motors of stainless steel	Range From 30 kW (40 HP) to 130 kW (175HP),220/380/460 Volts, 50Hz/60 Hz, 2-Pole/4-Pole, 8-inch NEMA Standard.	Water/ Oil Cooled, Rewindable Stator	Stainless Steel AISI 304	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore	No Change
919	Add	85016100	Diesel Power Generting Set	750 KVA	Sound Proof	--	1) Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi. **2) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.
New	New	85021110	Diesel Power Generating Sets	5KVA (IP-5) Generator Set, Single Phase, 50Hz, 3000 RPM	--	--	Aryan Technologics (Pvt.) Ltd., Plot No. 1578/715, Sarai Kharbooza, Islamabad.	Added as per request of the firm

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
920	Add	85021120	Diesel Power Generating Sets	i) Of an output of above 5KVA but not exceeding 20 KVA ~~ii) Of an output of above 20 KVA but not exceeding 50 KVA~~	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore. **10) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off**	Name of Innoviv Pak and Aryan Tech added.
921	Add	85021130	Diesel Power Generating Sets	Of an output of above 20KVA but not exceeding 50 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 **9) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.** **10) Aryan Technologics (Pvt.) Ltd.,**	Name of Innoviv Pak and Aryan Tech added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
922	Add	85021190	Diesel Power Generating Sets	Of an output of above 50KVA but not exceeding 75 KVA ~~20 KW - 75 KW Diesel Daewoo, Perkins, Peugeot~~	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore. **10) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off**	Name of Innoviv Pak and Aryan Tech added.
923	Add	85021200	Diesel Power Generating Sets	Of an output of above 75KVA but not exceeding 375 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore. **10) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off**	Name of Innoviv Pak & Aryan Tech added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
924	Add	85021310	Diesel Power Generating Sets	Of an output of above 375KVA but not exceeding 1100 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, A-16, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi. 10) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado	Name of Innoviv Pak & Aryan Tech added.
925	Add	85021390	Diesel Power Generating Sets	i) Of an output of above 1100KVA but not exceeding 1250 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 5) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 6) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 7) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore. **8) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.
Add				ii). Of an output of above 1250KVA but not exceeding 1500 KVA	--	--	1) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore. 2) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi.	Requested by Power Zone Eng and Synergy

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
926	Add	85022020	Generating Sets with spark-ignition internal combustion piston engines	Above 5KVA to 1250 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 3) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi **4) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.
927		85022090	Genertors Fabrication ATS Panal	375 KVA but not exceeding 1100 KVA	--	--	Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi.	No Change
928		85030090	i) Carbon Seal (Mechanical) ii) Carbon Ring (Electrical) iii) Carbon Vane Plate (Mechanical)	Carbon Graphite	Mechanical	Various	Flecbon Corporation, OT 204, 2nd Floor, Techno City Office Tower, Hasrat Mohani Road, Off. I.I. Chundgrigar Road, Opp. Uni Plaza, P.O. Box 6123, Karachi	No Change
929		85042100	Transformers	i) Liquid dielectric distribution transformers with power handling capacity 5 kVA to 650 kVA and voltages 230V to 132000V. Rating use at nominal system voltage upto 145000V and current rating upto 6000A.	--	--	Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700	No Change
				ii) Distribution Transformers (Pole Mounted) - Capacity: 10 KVA to 630 KVA - 11 KV/ 415 Volt Step Down - 33 KV/ 415 Volt Step Down - 11 KV / 420 Volt Step Down iii) Pad Mounted Transfomer (Kiosk) - Capacity: 63 KVA (Single Phase), 100 KVA, 200 KVA, 400 KVA & 630 KVA (3-Phase) with H.V. & L.V. Panels (Step Down) iv) Shell Type or Toridal Type Transformer - Single or three phase - Air cooled or oil cooled	--	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change
930		85042200	i) Transformers	Liquid dielectric distribution transformers with power handling capacity exceeding 650 KVA but not exceeding 10,000 KVA and voltages 230V to 132000V. Rating use at nominal system voltage upto 145000 volts and current upto 6000 Amps	--	--	1) Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Power Transformers / Furnance Transformers/ Special Transformers	Power Transformers - Capacity: 750 KVA to 5000KVA - 11 KVA/ 415 Volt Step Down - 33 KV / 415 Volt Step Down - 11 KVA/ 420 Volt Step Down Furnance Transformers - Upto 5000KVA - Specific requirement of the Customers Special Transformers - Upto 5000KVA - Specific requirement of the Customers	--	--	Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore	No Change
931		85042300	Transformers	Liquid dielectric distribution transformers with power handling capacity over 10,000 KVA voltages 230V to 132000V. Rating use at nominal system voltage upto 145000V and current rating upto 6000A.	--	--	Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700	No Change
932		85043100	i) Instrument Transformers	Power Handling capacity not exceeding 1 KVA (Dry Type) As per IEC / WAPDA / KESC Specifications	Oil Immersed	--	1) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change
			ii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
933		85043200	i) Distribution Transformers	Distribution Transformers (Pole Mounted) - Capacity: 5 KVA to 15 KVA - 11 KVA/ 415 Volt Step Down - 33 KV/ 415 Volt Step Down - 11 KVA / 420 Volt Step Down	Pole Mounted As per IEC/ WAPDA/ KESC Specifications	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change
			ii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
934		85043300	i) Transformers	Power Handling capacity exceeding 16 KVA but not exceeding 500 KVA As per IEC / WAPDA / KESC Specifications	Oil Immersed	--	1) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change
			ii) Oil-Immersed Transformers	300KVA to 1700KVA			1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore 4) Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
			iv) Current/Potential Transformer		--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
935		85043400	i) Transformers	Ratings upto 160MVA,Voltage rating upto 220KV,Oil filled type,standard IEC76,	--	--	Heavy Electrical Complex, Industrial Estate Distt. Haripur	No Change
			ii) Power Transformers / Furnance Transformers/ Special Transformers	Power Transformers - Capacity: 750 KVA to 5000KVA - 11 KVA/ 415 Volt Step Down - 33 KV / 415 Volt Step Down - 11 KVA/ 420 Volt Step Down Furnance Transformers - Upto 5000KVA - Specific requirement of the Customers Special Transformers - Upto 5000KVA - Specific requirement of the Customers	As per IEC/ WAPDA/ KESC Specifications	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore	No Change
936		85044010	i) Uninterrupted power supply (UPS)	500VA to 6600VA	Standard & Long Backup	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
			ii) Solar Inverter /Solar Hybird System 600 VA To 5000 VA	Sun Sabre	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
			iii) UPS /Inverter, (Except High Frequency MPPT, as per IEC Standard.) 600 VA TO 8 KVA	Excelsior Classic / Excelsior Premier / Excellence /EQP/Empower/Empower NEO/HOMY/HOMY NEO	--	--		No Change
937		85044020	Grid Battery charger	110V/25A, 110V/40A, 48V/60A, 48V/150A, 48V/200A, 220V/40A, 220V/60A, 48V/100A	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.	No Change
~~938~~	~~Delete~~	~~85044030~~	~~EVX Charger~~	~~Voltage 308~ 415 VAC 15% 3 Phase 3ph +N+PE 60/50 Hz >0.99@full load Out put Power DC 50kw max. Power on, Charging and fault 7" TFT-LCD touch screen, Ethernet (Standard), 3G/4G/LTE Operating Temperature (-25 C to 50 C) Storage Temperature (-40 C to 70 C) Humidity <95% relative humidity, non-condensing Altitude Upto 6000ft~~	~~IP 54 IK 10 According to IEC 62262 Forced air 615 x 1660 x 750, excluding plug and cable 315 4.2mm OTA (over the air)~~	~~--~~	~~Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad~~	Contested by Go Green Avenue
938	Amend	85044030	EVX Charger of the following ranges: i. For 3-wheeler EVs: 48V to 192V	Type: Both AC & DC, Charging Type: Mode 3 Charging/Level 2, Operating Voltage Range: 308V~ 415V AC ±15%,	Protection Rating: IP54 & IP65 (dust-protection & splash-resistant) According to IEC 62262 (resistant to strong physical impacts), Cooling: Natural & Forced air cooling,	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	The above entry has been replaced with this updated entry, after due consultation

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii. For 4-Wheeler EVs: a) AC Chargers from 1KW to 22KW with type 1 & type 2 charging guns, b) DC Chargers from 20KW to 240KW complete range with all types of charging guns i.e. CCS, CHAdeMO, J2	Electrical System: 3 Phase 3ph +N+PE 60/50 Hz, Efficiency: More than 0.99% at full load, Output Power: DC 50kw max., User Interface: 7-inch TFT-LCD touch screen, Connectivity: Ethernet as standard with optional 3G/4G/LTE for remote connectivity,	Charging cables / Guns upto 350 Amp Remote Updates: Supports OTA (over-the-air) software updates.			
939		85044090	i) Uninterrupted power supply (UPS)	500VA to 6600VA	Standard & Long Backup	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
			ii) Rectifiers, electric	200Vac to 48VDC, 10 to 40 Amps with or without battery backup (0.5 to 8 hours) SMPS technology	--	--		No Change
			iii) DC To DC SMPS 600 VA TO 8 KVA	DC input Range : 20-60 Vdc i.e 20-60 Vdc ---- 1.8A, 35-60 Vdc ---- 2.0A, 44-60 Vdc ---- 0.8A DC Output Range:12-24 Volts i.e 12 V ---- 1.8A, 12 V ---- 4.2A, 24V ---- 1.5A No Load current: 22mA, Operating Temperature: 0 to 45°C	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 85x62x93 mm Weight : 500g, designed for Integrated Power System (IPS) being installed at Telecom Sites operating at either Positive or Negative Voltage. It is suitable for wide range of DC Voltages (38 to 55.2 Volts)	--		No Change
			iv) AC to DC SMPS	Operating Range/AC input: 100 - 265 Vac, 60-300 Vac, can sustain upto 450 Vac. Operating Frequency: 50/60Hz. Normal DC Output: 12Vdc / 24Vdc. Output Current (Max): 5A at 12Vdc, 2-32A at 24Vdc. Line / Load Regulation: 1%. Operating Temperature / RH Range : 0 to 50°C, 50% to 95% RH Non Condensina.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 100x62x93mm Weight : 540g an efficient switched mode power supply which converts a wide range of AC voltages into required dc voltages	--		No Change
			v) Power Supply Units	Input 19-36 VDC, Output 24VDC at 6-Amps and 24 Amps for 15 mSec & 50 VDC at 1.5 Amps, Voltage Regulation- 20% Max	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad	No Change
			vi) Solar Inverter /Solar Hybird System 600 VA To 5000 VA (Except High Frequency MPPT, as per IEC Standard.)	Sun Sabre	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
			vii) UPS /Inverter	Excelsior Classic / Excelsior Premier / Excellence /EQP/Empower/Empower NEO/HOMY/HOMY NEO	--	--		No Change
	Add		viii) Constant Current Power Supply for LED Lights (1-~~300~~ 18W)	For All types of LED Lights, Bulbs and Lamps.	--	--	1) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi **2) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added. As per our meeting with LED Sector, it may be limited to 18W.
			ix) Infinity 5 KW, 9 KW & 15 KW Solar Inverter (Except High Frequency MPPT, as per IEC Standard.)	Hybrid (On Grid + Off Grid) Inverter with/without Energy Storage.	-	-	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		x) Driver on Board (DOB) for LED Bulbs and Lights	1W-18W			1) Elite Screener, Plot No. C-21 & C-22 Block No. 9 AEECHS, Gulistan-e-Johar, Karachi 2) Sunflower Technology (Pvt.) Ltd., Plot No. 385, Sundar Industrial Estate, Lahore. **3) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
	Add		xi) Constant Current Power Supply for AC/DC Fans	Input: AC 90V - 265V DC 8V - 20V	--	--	Rapidev (Pvt.) Ltd., Office No. G201-G204, NSTP, NUST, Sector H-12, Islamabad.	Entry of Rapidev added.
	Add		xii) MPPT type 1KW to 1.8KW Solar Inverter	MPPT based Hybrid (On Grid+Off Grid) Solar Inverter with or without Energy Storage (High Frequency as per IEC Standards i.e. 61683, 621091, 621092	--	--	Wasiq Industries, Near Sico Industries, Amrat, Maraka Mohlanwal, Raiwind, Lahore.	included per request of Wasif Industries. IEC Certification may be confirmed.
	Add		xiii) MPPT type 2KW to 4.2KW Solar Inverter	MPPT based Hybrid (On Grid+Off Grid) Solar Inverter with or without Energy Storage (High Frequency as per IEC Standards i.e. 61683, 621091, 621092	--	--		included per request of Wasif Industries. IEC Certification may be confirmed.
	Add		xiv) MPPT type 6.2KW to 12KW Solar Inverter	MPPT based Hybrid (On Grid+Off Grid) Solar Inverter with or without Energy Storage (High Frequency as per IEC Standards i.e. 61683, 621091, 621092	--	--		included per request of Wasif Industries. IEC Certification may be confirmed.
	Add		xv) Uninterrupted Power Controller	Power: 500-3000 W, Solar Panel: 500-3000 W, Battery: LiFePO4, Output: DC 12V-5V, Output: AC 220V	Metal Housing	--	Get Technologies (Pvt.) Ltd., Get Group, 24KmMain Ferozepur Road, Kahna Nau, Lahore.	Included per request of Industry.
940		85049090	Speed Checking System for Vehicular Traffic	Speed Sensors capable of reading at up to 1.5 KM High resolution digital still camera / video recorder Number plate / Drivers face recognition Named / Unnamed operation modes Wireless communication enabled for remote	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad	No Change
941		85061000	Dry Battery Cell	R-20 (UM-1) & R-6 (UM-3) manganese Dioxide, non-rechargeable Size: R-20, R-6 & R-3	--	--	1) Kohinoor Battery Mfrs. (Pvt) Ltd., Tibet Centre,M.A. Jinnah Road, Karachi-74400 2) Indus Battery Industries (Pvt) Ltd., F-244, Manghopir Road S.I.T.E Karachi	No Change
New	New	85065000	Lithium Battery	Capacity: As per requirement Cell Life Cycle: >6000 Voltage: 96V, 72V, 48V, 24V, 12V Packing Material: PVC/Metal	--	--	Get Technologies (Pvt.) Ltd., Get Group, 24KmMain Ferozepur Road, Kahna Nau, Lahore.	included per industry request. Standards may asked.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
942		85072000	i) Sealed Lead Acid Batteries (Maintenance Free Batteries)	i) 12 Valve Regulated Lead Acid (VRLA) Batteries 24 AH to 200AH, 2V cell 200AH to 3000AH (for use in telephone exchanges) ii) VRLA with AGM Technology in 2V 150AH to 3500AH, VRLA with AGM Technology in 12V 2.AH to 200AH to 200AH, VRLA with GEL Technology in 2V 150AH to 3500AH, VRLA with GEL Technology in 12V 2.5AH to200AH	--	--	Pakistan Accumulators (Pvt) Ltd., Head Office House No. 2, Street 63, F-8/4, Islamabad	No Change
			ii) 12 V 3.5 A / 12 V 7 A (VRLA MCB)	3/4 Ah / 7 Ah	VRLA Motorcycle and other Batteries	AGM Type		No Change
			iii) Other Lead Acid Batteries/ Industrial Cells	12 Batteries, 24AH to 200AH, 2V Cell 200AH to 3000AH Sealed & VRLA Batteries	--	--		No Change
			iv) Other Lead Acid Batteries/Industrial	OPzS Tubular Plate Deep Cycle batteries in 2V 100AH to 3500AH, OPzS Tubular Plate Deep Cycle batteries in 12V 35AH to 260AH, OPzV 2V VRLA range from 150 to 3500AH for extended backups.,Traction range 2V100AH to 1000AH, Golf Cart 6V 225AH to &8V 160AH, 24V 110AH Tank batteries in maintence free & GEL Version.	--	--		No Change
			v) Lead Acid Battery	2-6 Volts (For standby Storage, switch gears, Solar Panels etc.)	--	--	Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400	No Change
943		85111000	Spark Plug sleeve	For Janbacher Gas Engine JMS-620 - GS-N.L	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
944		85123090	Anti-theft Device	Temperature, Humidity, Vibration Sensor with GSM/GPRS	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.	No Change
945		85131030	Light-emitting diode (LED) Energy saving Rechargeable lamps:	All types of Rechargeable emergency light (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi	No Change
946		85131040	LED Solar Torches				Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
947		85131090	Light-emitting diode (LED) Energy saving lamps:	All types of Chargeable LED lamps, (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi	No Change
948		85142000	Furnaces, Induction or dielectric, electric,	From 50kg upto 50MT	--	--	Electro Heat (Pvt) Ltd, 10-km Ottawa More, G.T. Road, Gujranwala	No Change
New	New	85153900	i) Spark ARC200- Inverter based Welding Machine	Input Voltage: 220V Single Phase, Input Current: 5-35 A, Max. Output Current: 170A, Duty Cycle: 60% @140A	Dimensions (cm): W15xH30xL37.4, Weight: 6.5 Kg, Enclosure Class: IP21S	-	Pakistan Oxygen Limited P.O. Box 4845 Dockyard Road, West Wharf, Karachi.	New entry requested by Pak Oxygen Ltd.
			ii) Spark ARC400- Inverter based Welding Machine	Input Voltage: 415 V Three Phase, Input Current: 7-25 A, Max. Output Current: 280 A, Duty Cycle: 60% @400 A	Dimensions (cm): W30.5xH53xL55, Weight: 19.3 Kg, Enclosure Class: IP21S	-		
949		85161090	Electric Water Treatment	From 10 L to 100 Liter storage type, 2000 Watt element with safety device	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala	No Change
950		85165090	Microwave Ovens	Up to 75 liters	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala	No Change
951		85168090	Electric Elements for heating	220/240 V A.C. , Wattage 2000-3000 Flange 2.5" BSW	Material Copper, incoloy, SS, Titanium, Dia 8mm, Length 11", 14", 18", 23", 27", 30", 36"	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
952		85171390	Smarthphone with accessories	Smartphone screen size 4", 4.5", 5.1" & 6" with standard specification OCTA processor & quad processors	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
953		85171419	Smarthphone with accessories	Smartphone screen size 4", 4.5", 5.1" & 6" with standard specification OCTA processor & quad processors	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
954		85176290	i) PABX	- Megaswitch-500 Upto 500 Lines - Megaswitch-100 Upto 150 Lines - Megaswitch Series 50 Upto 48 Lines - Megaswitch Serires 30 Upto 32 Lines - Telemate-XII (2+10 Lines)	--	--	Megatech Communications (Pvt.) Ltd., 47, Banglore Town Off: Tipu Sultan Road. Karachi	No Change
			ii) Telephone exchanges	Standard / Modern electronic digital switching system (EWSD)	--	--	Telephone Industries of Pakistan, Khanpur Road, Haripur	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Electronic Field Telephones Inter Trench Communication (ITC-2000)	EFT-101: Operating Voltage : 4.5VDC, Free Range: 300 to 3400 Hz, Impedance: 600 Ohms ITC-2000: Operating Voltage: 4.5VDC, Environmental Temperature: -15 to +55C, Impedance: -20 to +60C	Military standards	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur	No Change
			iv) Digital Electronic Field Telephone Exchanges	PFX-6416 and PFX-3208: Power Requirement : 220VAC/24VDC, Ring Voltage: 90 VAC. 25 Hz, Operating Temperature:-30 to +55C PFX-1204: Power Requirement: 180 to 260VAC/24VDC, Ring Voltage: 90 VAC. 25 Hz, Operating Temperature -30 to +55C PFX-5200C: Power Requirement: 90 to 260VAC/48VDC, Ring Voltage: 2000 Ohms, Operating Temperature: -10 to +50C Automag 412: Power Requirement: 220VAC/12VDC, Ring Voltage: 90 V±20VAC, Operating Temperature -10 to +45C	--	--		No Change
955		85176243	Enhance Communication Module	20-60Vdc, reverse polarity & fuse protected. GSM Bands: FDD-LTE: B1/B3/B5/B7/B8/B20 WCDMA/HSDPA/HSPA+: B1/B5/B8 GSM/ GPRS/EDGE: 900/1800 MHz	Ethernet POE LAN via 4 port external switch (optional) with Central Management Server Built in LTE 4G/3G/2G Modem & Ethernet Uplink (Model 884ECM only) Local Monitoring and Configuration RS232 port/USB I/Os: Digital Inputs 14 x Digital Inputs Dry Contact Monitoring, Analog Inputs 3 x External Temperature Sensors (Digital & Analog)	--	SalTec Smart Power (Pvt.) Ltds., 1-A/2, Sector 15, Korangi Industrial Area, Karachi.	No Change
956		85176970	Optical Network Unit/ Optical Network Terminal (ONU/ONT)	For internet 1GE + 3FE + CATV + RF + POTS + Wifi Networking equipments like routers, LAN bridges, modem, hubs excluding switches and repeaters.	GPON FTTH Multi-service WIF ONU Two Fibers Three Wavelength	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad	No Change
957		85182100	Loudspeakers, Single, mounted in their enclosures	Speaker for Car Radio & Cassette player	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi	No Change
958		85198910	CD players, audio, without sound recording device	Radio CD/MP3 Players	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi	No Change
959		85232100	Cards incorporating a magnetic stripe	Magnetic Card			Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad.	No Change
960	discuss	85232910	Cassettes, magnetic, audio, blank, width not over 4mm	Blank/Recorded	--	--	B. S. Magnetic (Pvt) Ltd., LA-1/8, Block 22, Federal B. Industrial Area, Karachi	Firm may be asked for the deletion of entries
961	discuss	85232930	Cassettes, magnetic, audio, blank, width not over 4mm	Blank/Recorded	--	--	B. S. Magnetic (Pvt) Ltd., LA-1/8, Block 22, Federal B. Industrial Area, Karachi	Firm may be asked for the deletion of entries

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
962	discuss	85234110	CD-R, blank, for computer	CD-R (Blank)	--	--	Oyster Technologies (Pvt) Ltd, Plot No.08, Sector 24, Korangi Industrial Area, Karachi	Firm may be asked for the deletion of entries
963	discuss	85234120	DVD, for computer	DVD-R	--	--	Oyster Technologies (Pvt) Ltd Plot No.08, Sector 24, Korangi Industrial Area, Karachi	Firm may be asked for the deletion of entries
964	Add	85235210	SIM Cards	Certifications: GSMA SAS-UP, ISO/IEC 27001:2013	--	--	1) Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad. **2) Secure Tech Cards (Pvt.) Ltd., 391, Secure Tech Towers, Potohar Road Industrial Area I-9, Islamabad.**	Name of Secure Tech added.
965		85235220	Memory Cards	Nadra/Banking Cards			Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad.	No Change
966		85255090	i) Ground to Air UHF / VHF Communication Radio	Synthesized VHF/UHF Transceivers 32 Programmable channels, Channel scanning , Dual Channel ( ) Watch 108 ~ 137 MHz & 225-400 MHz frequency ranges, Built in Test equipment	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad	No Change
967			ii) Upgraded VHF/FM Radio Set VHF/ FM Frequency Hopping Manpack & Vehicular Radio Sets	PRC-77/PK - Operating Voltage 4.5 VDC - Storage Temperature -20 To +60C - Environmnetal Temperature -15 TO +55C 9600 Series - Operating Temp Range -40 to +60C - Storage Temperature -55 To +70C - Environmnetal Temperature 3120	--	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur	No Change
968			ii) GSM/GPS Tracker Online/Offline	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.	No Change
969		85285200	LED Monitor	LED monitor screen size 18.5", 19.5" , 21.5", 27", 32"	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi	No Change
970		85287110	Free to Air (FTA)	Reception apparatus for receiving satellite signals of a kind used with TV (Satellite dish receivers)	--	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad	No Change
971		85287190	Set Top Box	DVB-C/ DVB-T/IPTV (For cable TV, IPTV, Terestrial) Other Set Top Boxes	Interface to the Internet and also enables a television set to receive and deode digital television (DTV) broadcasts	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad	No Change
972		85287211	Television sets, colour	Liquid crystal display (LCD)	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
973		85287219	Television sets, colour	Colour Television Sets of screen sizes 14" to 62" including Conventional type TV sets, Flat TV sets, Projection TV sets, Plasma TV sets. Compatible NTSC/PAL	Image displays	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi, 4) Sysco Industrial Company, 4th Floor Al-Hayat Centre, 14/A Hall Road Lahore 5) S.N.H Industries (Pvt.) Ltd. L-9 Block 21 F. B Industrial Area Karachi 75950	No Change
974		85287290	Receiver sets	Reception apparatus for receiving satellite signals of a kind used with TV (Satellite dish receivers)	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,	No Change
975		85287300	Television receiver sets, colour, black & white or other monochrome.	Colour Television Sets of screen sizes 14" to 62" including Conventional type TV sets, Flat TV sets, Projection TV sets, Plasma TV sets.	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,	No Change
976		85291090	Antennas for radios and television sets	Antenna Ass'y for Car Radio	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi	No Change
977		85299090	Television body	Plastic Covers front and back for televisions	--	--	Synthetic Products Enterprises (Pvt) Ltd., 127-S S.I.E Kotlakhpat Township Lahore	No Change
978		85311000	GSM Based Security Alarm Systems	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.	No Change
979		85318000	i) DC Tower Light Controller (DC TLC)	Operating Voltage Range: -60Vdc to -40Vdc. Load Range: upto 30 watts LED Tower Light. Temperature Raange: -20 to 60°C. Load Lower Threshold: 100mA (4.8 watts). System Indication : 3x LED (Input Power, Lamp / Tower. Operating Modes: 3 X Modes (Calibrate: Auto & Manual)	Dimensions: 85x62x93 mm Weight : 500g A microcontroller based device which controls the 'blinking' of DC Tower Lights at any Telecom sites as per PTA requirements, monitors the tower light load and generates alarm in case of tower lights failure / solar switch failure. Work for both 12V to 48V	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
			ii) Exit and Emergency LED/SMD Lit sign boards with and without backup				Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad	No Change
980		85321000	i) Capacitors, fixed, power	Single Phase capacitors for voltage up to 2000 V, Three Phase Capacitors for voltage up to 1000 V, 50 and 60 Hz, dry type as well as oil impregnated, In rating up to 200 kVAr.	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) L.V. Power factor improvement capacitors single phase and three phase	0.50 KVAR upto 200 KVAR 220 VAC upto 660 VAC	Plastic and Aluminum Body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
981		85322200	i) Capacitors, fixed, Aluminum electrolytic	Capacitors in Voltages up to 440V 50/60 Hz, rating up to 400 MFD	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore	No Change
			ii) Capacitors for motor start application	20UF upto 400UF 100 VAC upto 660 VAC	Aluminum and backelite body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
982		85322500	i) Capacitors, fixed, dielectric, of paper of plastic	Capacitors of voltage up to 660 V, 50/60 Hz, in aluminum and plastic casings	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore	No Change
			ii) Capacitors for domestic appliances	0.50 uf upto 100 UF 100 V.A.C upto 660 V.A.C.	Plastic and Aluminum Body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
			iii) Special application capacitors	0.25 UF upto 3.0 UF 2 K.V upto 12K.V.	M.S & S.S. Container	--		No Change
983		85322900	Capacitors Up to 11 KV /12/3Kv High Voltage /Shunt Capacitors	Single Phase Capacitors for voltage up to 12000 volts oil impregnated, in rating 25 kVAr up to 600 kVAr	Mild Steel	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
984		85340000	i) Printed Circuit Boards	Single,Double Sided and multilayer, rigid, bare PCBs for all types of Electronic Products.	--	--	Smart PCBs, Service Road, Shaheen Town near Airport Chowk, Rawalpindi	No Change
	Add		ii) Bare Metal Clad Printed Circuit Boards (MCPCB) for LED Lights.	Metal Clad Printed Circuit Boards (MCPCB) and Single, Double Sided and Multilayers PCBs for all types of Electronic Products including LED Lights, Bulbs and Lamps	--	--	1) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi **2) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
985		85351000	i) Fuse Dropout/ Cutout	For 11KV Transmission Lines	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			ii) LT HRC Fuse Base	630A for Low Voltage Distribution System	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
986		85353010	Isolating Switches/Disconnect Switches	Isolating Switches (Air Insulated) and make-and-break switches for a voltage upto 145kV	--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
987		85354010	Lightening and Surge Arrestors	Voltage limiters and Surge suppressors over 1 KV	--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
988		85363000	Auto Phase Switcher (APS)	Power rating (kVA): 25kVA/30kVA Protection against high/low voltages (configurable):Under-voltage Range = 100-200Vac Over voltage range = 225-280Vac 3 Phase Voltage Range (Vac): 125 to 275 Vac (Default), can be adjustable 100-280 Vac via APS. Remote Monitoring - optional via RS485 interface	Enclosure: Extruded Aluminium,Powder coated Mounting Style: Din Rail. Dimensions: 120x62x93 mm; Weight : 620g APS monitors 3 phase AC Mains Supply and ensures that 3 phases are available to load, under scenarios of single or double grid phase failure. It`s an auto-looping device to maximize grid utilization to reduce genset usage. Used mostly in telecom tower sites.	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
989		85364190	DC Supervision Relay	110V- DC, 220V-DC	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.	No Change
990		85364990	Annunciators	Transformer temperature gauges, Trip circuit DC supervision relays, Under Voltage relays, Motor protection relays, Panel humidity controllers, Timers, Flasher relays, Automatic transfer switch.	--	--	E-Labs, 456/7, Lane12 A Iqbal Park Cantt. Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
991		85365099	Electric Switches	Plugs and Socket-Outlets, voltage not over 1 KV, for household and similar purposes electrical switches, power plugs/sockets assemblies for household/ industrial application - outlets without interlock for fixed - outlets for selv - for adaptors - outlets with in terlock for fixed installations-Appliance couplers for - Part 2-1: Sewing machine couplers - Part 2-2: Interconnection couplers for household and similar equipment -- Part 2-3: Appliance coupler with a degree of protection higher than IPX0 -IEC system of plugs and socket-outlets - Part 1: 16 A 250 V a.c. -IEC system of plugs and socket-outlets - Part 2:15 A 125 V a.c. - IEC system of plugs and socket-outlets - Part 3: SELV plugs and socket-outlets, 16 A 6V, 12 V, 24 V, 48 V, a.c. and d.c. -"Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to	--	Polycarbonate, Multigrade PVC,Cu 99.9%,ABS,PC,	The Crown Engineering Works (Pvt) Ltd., 17-KM, SHeikhupura Road, Lahore	No Change
992		85366910	DPs	- 10 Pairs - 20 Pairs - 50 Pairs - 100 Pairs	Pillar Type DPs, Pole Type, Cross Connectoin Cabinets, DP Thermo Plastic (Pole type)	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur	No Change
993		85366990	Electrical Plugs and Sockets	Plugs and Socket-Outlets, voltage not over 1 KV, for household and similar purposes electrical switches, power plugs/sockets assemblies for household/ industrial application - outlets without interlock for fixed - outlets for selv - for adaptors - outlets with in terlock for fixed installations-Appliance couplers for - Part 2-1: Sewing machine couplers - Part 2-2: Interconnection couplers for household and similar equipment -- Part 2-3: Appliance coupler with a degree of protection higher than IPX0 -IEC system of plugs and socket-outlets - Part 1: 16 A 250 V a.c. -IEC system of plugs and socket-outlets - Part 2:15 A 125 V a.c. - IEC system of plugs and socket-outlets - Part 3: SELV plugs and socket-outlets, 16 A 6V, 12 V, 24 V, 48 V, a.c. and d.c. -"Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to	--	Polycarbonate, Multigrade PVC,Cu 99.9%,ABS,PC,	The Crown Engineering Works (Pvt) Ltd., 17-KM, SHeikhupura Road, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
994		85367000	Optic Fiber Joint Enclosures	--	--	--	Premier Cables (Pvt.) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi.	No Change
995		85369030	Magnetic Contactor	--	--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore	No Change
996		85369090	i) Junction Boxes	Electrical Wiring Accessories, voltage not over 1KV (Excluding explosion & flame proof)	--	--	Clipsal Pakistan (Pvt) Ltd., 101-102, Sector 15, Korangi Industrial Area, Karachi	No Change
			ii) Insulating Piercing connector	IPC 16-95 / 4-35mm² for Connecting XLPE Insulator LT ABC Sub Main to Service Cable Specification K-R&D-PD-19	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
			iii) Line Tap	120mm² for 230/400/110000 Volts Overhead Distribution System	--	--		No Change
			iv) PMT Bus Bar arrangement	Pole mounted Distribution Transformer Specification K-TPRE-BBA-285.	--	--		No Change
997	Add	85371090	i) Control Panels	L.T. Switchgear panels upto 1,000 Volts and lighting / power distribution boards, control panels, control signaling and relay panel for grid stations, rectifier panel upto 200 Amps. Motor Control Centers including Programmable Logic Controllers and related instrumentation and control, sugar, steel rolling, low voltage switchgears PFI Plant. [Excluding panels of proprietary compressor engine Oil & Gas application valves pumps & actuators and in explosion & flame proof exclusion. Certified by ATX, explosion proof].	--	--	1) Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore **4) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.
			ii) Switchboards	Direct-on-line starter 10HP NSD starter 15 HP, Motor control unit 25 HP, automatic starter of delta type of 50 HP, 5-250 HP ASD Starter, 5-15 HP DOL Starter. [Excluding certified by ATX, Explosion Proof]	--	--	Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700	No Change
			iii) Meter Security Boxes (WAPDA Specification, DD-S-58:2001) iv) LT Service Box (WAPDA Specification P-72:85)		--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
	Add		v) Control Panel with other accessories (ATS Panels)		--	--	1) Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi. **2) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
998		85372000	Control Panels i) H.T. Circuit breakers (Switchgear) panels upto 4000A, 40KA & 17500 Volts ii) 3 Phase, upto 60KVA, protection panel for severe over voltage (slow & fast), phase-neutral reversal, etc	[Excluding panels of proprietary compressor engine Oil & Gas application valves pumps & actuators and in explosion & flame proof exclusion. Certified by ATX, Explosion Proof]	Microprocessor based, with remote alarm interface	--	1) Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore 4) SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
	Add		Switchboards, Switchgears & Panels	Up to 17.5 kv; 4000 AMP, 40 KA	--	--	1) IMS Electric (Pvt) Limited (Former: Schneider Electric Pakistan (Pvt) Ltd., D-163, S.I.T.E Karachi 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E. , P.O Box No. 3603, Karachi - 75700 **3) Innoviv Pakistan (Pvt.) Ltd., 91-L, 1.5 Km, Katarbund Road, Off Multan Road, Thokar Niaz Baig, Lahore.**	Name of Innoviv Pak added.
999		85392200	Electric Bulbs	Bulbs from 25W to 200W, Life upto 1000 Hrs, voltage over 100 V	--	--	Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar	No Change
1000		85393110	Energy saving lights:	Varing Voltages	--	--	Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad	No Change
1001		85393210	Energy saving lights:	Varing Voltages	--	--	Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad	No Change
1002		85393220	Light-emitting diode (LED) Energy saving lights	All types of Energy Saving Tube Lights (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad	No Change
1003		85393290	SMD/LED/LVD Lights with or without Ballast, PV Module, Fitting & Fixtures		--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1004	Add	85395210	LED Bulb	All types of LED Bulbs/lamps (All sizes); {AC/DC} (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 5) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar 8) Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad 9) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore **10) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate,**	Name of OPTO & LED Zone added.
1005	Add	85395220	Light-emitting diode (LED) Energy saving Tubes:	All types of LED Tube Light (All sizes); {AC/DC} (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad 7) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 8) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore **9) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore**.	Name of OPTO Electronics added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1006	Add	85399090	i) Stuffed Metal Clad Printed Circuit Board (MCPCB) for LED Lights, Bulbs and Lamps	--	--	--	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi 3) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 3) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 4) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi 5) Smart PCBs, Service Road, Shaheen Town near Airport Chowk, Rawalpindi **6) STAR L.E.D (Pvt.) Ltd., Plot No. G-4-A, Hashmi Colony, S.I.T.E Area, Huderabad** **7) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.** **8) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasssa Road Opp. EME (DHA), Multan**	STAR LED added. OPTO Electronics added. Orion Lighting added.
	Add		ii) Housing for LED bulb iii) LED Bulb PC cover iv) Lenses for LED Bulb Led bulb shell cover	1W to 18W	-	-	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 3) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi. 4) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 5) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore **6) STAR L.E.D (Pvt.) Ltd., Plot No. G-4-A, Hashmi Colony, S.I.T.E Area, Huderabad** **7) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.** **8) LED Zone (Pvt.) Ltd., 60B, Phase 1A, Industrial City, M3 Motorway, Faisalabad.**	STAR LED and OPTO Electronics added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		v) Housing shell cover for LED Bulb	1W to 18W	-	PC	1) Paklite Electrical Industries (Pvt) Limited., Sheikhupura Road, Gujranwala 2) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 3) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore. 4) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 5) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi **6) STAR L.E.D (Pvt.) Ltd., Plot No. G-4-A, Hashmi Colony, S.I.T.E Area, Huderabad** **7) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	STAR LED added. OPTO Electronics added. LED Zone added.
1007		85408900	Pre-chamber gas valve	For Janbacher Gas Engine JMS-620 - GS-N.L	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
1008		85414300	i) Photovoltaic Modules (Solar Panels)	Maximum Power: 5 Watts to 445 Watts Nominal Voltage: 6V/ 12V / 24V/48V 635X505X3.2mm ~ 1950X986X3.2mm	- Operating Temp. -40ºC to +90 ºC - Storage Temp. -40ºC to +90 ºC - Pressure bearing < 5400 Pa - Wind bearing < 2400 Pa - Hail Impact test 25mm diameter hail - Ball at 23.00 m/s, directed at 11 impact location - Temp. Coff of Isc +0.05% / C - Temp. Coff. of Voc – 0.34% / C - Temp. Coff. of Pm-0.5%/C - Power Output Tolerance + 3%	--	1) Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad 2) Sunlife Solar Co. (Pvt) Ltd., Al-Badar Industrial Zone, Madni Ali Stop, 19 KM Sheikhupura Road, Lahore	No Change
Add	Add		ii) Wrap Solar Panel	Pmax: 140-210 W, Vmp: 20.52 V, Voc: 24.62 V, Imp: 6.38 A, Isc: 6.82 A	Cylindrical Solar Panel		Get Technologies (Pvt.) Ltd., Get Group, 24KmMain Ferozepur Road, Kahna Nau, Lahore.	Add per request of industry.
1009		85423300	Pair Gain System	Optical 4, 8 & 12 clear 64 Kbps channels over one single copper pair.	--	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur	No Change
1010		85441110	i) PVC Cable	10mm to 300mm sq. (Excluding ultra violet treated cables)	Copper-Aluminium PVC, Polythyne	--	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			ii) Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
~~1011~~	~~Amend~~	~~85441190~~	~~i) PVC Cable~~	~~10mm to 300mm sq. (Excluding ultra violet treated cables)~~	~~Copper-Aluminium PVC, Polyethylene~~	~~--~~	~~1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore~~	PVC Cables are not covered in this code. This code is for winding wires. The same is transferred to S. No. 1016(x).
			ii) Enamelled Copper Wire	Type of Varnish: Plyurethane, Polyester Imide; Diameter Test: Bare Dia as per international standard, Coated dia: Grade-2, Elangation Test of thin guages: 25% to 27%, Elangation Test of thick guages: 28% to 36%, Break Down Voltage Test: 6 Kv to 12 Kv (Excluding ultra violet treated cables)	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore	No Change
1012		85441900	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd. 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
			ii) Electric Wire (Insulated)	1W to 18W	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
1013		85442000	i) Telephone Cables PVC Insulated	Range of Sizes: 1 Pair to 50 Pair Pakistan Cable's spec and as per others specification e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	Armoured / Un-Armoured	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi	No Change
			ii) Welding Cable	Range of Sizes: 16MM² to 300MM² BSS-638 (Excluding ultra violet treated cables)	Rubber Sheathed			No Change
			iii) LSF Cable / HFFR for all GWC/LV/MV/ Flexible cable	Range of Sizes: as per Customers requirement IEC-60502, BSS-7211, BSS-6724 Also as per others specification. e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	• Low Smoke & Fume • Halogen Free Fire Retarded			No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iv) Insulated Cable	Drop Wire and Spiral - 4 Range of Sizes: as per Customers requirement (Excluding ultra violet treated cables)	--			No Change
			v) Shooting Wire	Voltage Grade: upto 300/500 Volts (Excluding ultra violet treated cables)	--	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			vi) Cables, co-axial	Cable Bond etc (Excluding ultra violet treated cables)	--	--	1) Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
1014		85444910	Telephone Cables	All telephone cables i.e. telecommunication cables, indoor telephone cables, audio/radio frequency cables, junction cables, primary cables, secondary cables, jelly filled cables, drop wire, switch board & jumper cables. (Excluding ultra violet treated cables)	--	--	1) Atlas Cables (Pvt) Limited, Karachi, 9th Floor Textile Plaza, Mumtaz Hasan Road, P.O. 5195, Karachi-74000 2) A.G.E. Cables, 97-A Industrial Estate Jamrud Road, Peshawar, 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi 4) Pakistan Telephone Cables, Room No. 107, Elahi Center, Preedy Street Saddar Karachi-74400 5) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 6) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
1015		85444920	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd. 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			ii) Multicore core, flexible, flat type copper, insulated (all features together)	From 1 mm^2 to 400 mm^2 Voltage grade upto 1000 Volts BS 6004; BS 6346/BS 6500 (Excluding ultra violet treated cables)	--	--		No Change
			iii) Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
Add	Add		iv) Connecting Cable for AC	1.5 mm^2 to 06 mm^2	Density: 1.35–1.45 g/cm³, Tensile Strength: 15–25 MPa, Elongation at Break: 150–250%, Hardness (Shore D): 70–80, Thermal Stability: up to 70°C (continuous operation), Flammability: Self- extinguishing (but combustible), Impact Resistance: Moderate	Shielding by PVC Fire Proof	Qingdao Hound Pakistan (Pvt.) Ltd., 19.5 KM, Raiwind Road, Lahore.	Name of Qingdao Hound added

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1016	Add	85444990	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore **4) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700** **5) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi.**	Pak. Cables and Universal cables added.
			ii) Air field lighting cable and Submersible Cables	Range of Sizes: as per Customers requirement Voltage Grade: a) Upto 5KV b) upto 600/1000 Volts As per customer required Specs and as per others specification. e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi	No Change
			iii) Control Cables	With copper conductor 600/1000 volts WAPDA P100:2005 (Excluding ultra violet treated cables)	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700	No Change
			iv) Insulated wire, cables	Single Core & Multicore (Including Co-axial cable) PVC/XLPE Range of Sizes: 0.5MM² to 1000MM² Voltage Grade: Up to 15KV BSS-6004, IEC-227, IEC-60227, IEC-502, IEC 60502, BSS-6346. Also as per others specifications e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC • XLPE	No Change
			v) L.V cable	Copper or Aluminium conductor. XLPE or PVC insulated cable. Single Core & Multicore Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 1900/3300 volts BSS-6346, IEC-502, IEC -60502. Also as per others specification.e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Aluminium Electrical Grade • Electrical Grade PVC • XLPE	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			vi) M.V.Cables	Copper or Aluminium conductor, XLPE Insulated cable. SingleCore & Multicore Range of Sizes: 16MM² to 630MM² Voltage Grade: upto 15000 volts IEC-502 IEC - 60502. Also as per others specification.e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Aluminium Electrical Grade • Electrical Grade PVC • XLPE		No Change
			vii) Flexible Cables	Range of Sizes: 0.5MM² to 630MM² Voltage Grade: 300/500 Volts IEC-60227, BSS-6004, BSS-6500, IEC-227 Also as per others specification.e.g Europeans, American, Japanese etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC		No Change
			viii) Control Cables PVC /XLPE Insulated	Range of Sizes: 5 Core to 61 Core Voltage Grade: upto 600/1000 Volts BSS-6346, IEC-502, IEC-60502. Also as per others specification.e.g Europeans, American, Japanese, etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC • XLPE		No Change
			ix) Electric Cables	Upto 1000 Volts Sizes: 0.005mm to 630mm (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF,OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi. 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			x) PVC wiring cable	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 6004 (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			xi) PVC Insulated Armoured Power Cable	From 16 mm^2 to 1000 mm^2 600/1000 Volts BS 6346 (Excluding ultra violet treated cables)	--	--		No Change
			xii) Low smoke zero helogen Cable	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 7846 (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xiii) Flame retardant cables	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 6387 (Excluding ultra violet treated as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--		No Change
			xiv) Air Field Lighting cable	FAAL-824 IEC 502 (Excluding ultra violet treated cables)	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			xv) Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.	No Change
			xvi) ABC Cable LV	Low Voltage Aerial Bundled Cables (ABC) All sizes upto 630 mm sq	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
			xvii) L.V Shielded Instrumentation Cable	Low Voltage shielded/screened (copper braiding/copper tape/tinned copper braiding/aluminium foil) instrumentation cables	--	--		No Change
	Add		xviii) L.V Fire Resistance Cable	Low Voltage Fire resistant cables 1 mm sq up to 630 mm sq	--	--	1) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore **2) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi.** **3) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore** **4) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700**	Newage, Universal and Pak. Cables added.
	delete		~~xix) L.V Solar Cable~~	~~Low Voltage Solar Cables (photo-voltaic Cables) 1 mm sq up to 630 mm sq~~	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	May be deleted as new PCT created, as below
			xx) Cables with connector	Electric cables with connectors punched on either or both sides	--	--	Millennium Cable Industreies, 13 Km Multan Road, Lahore	No Change
			xxi) Power Cords	Electric cables with injection molded power show at one end and connectors at the other end.	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		xxii) PVC Cable	10mm to 300mm sq. (Excluding ultra violet treated cables)	Copper-Aluminium PVC, Polyethylene	--	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 5) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi.	Entry at S. No. 1011(i) transferred here.
	Add		xxiii) Power Cable for AC	0.75 mm^2 to 06 mm^2	Density: 1.35–1.45 g/cm^3, Tensile Strength: 15–25 MPa, Elongation at Break: 150-250%, Hardness (Shore D): 70–80, Thermal Stability: up to 70°C (continuous operation), Flammability: Self- extinguishing (but combustible), Impact Resistance: Moderate	Copper 3 Wire, PVC Shielding	Qingdao Hound Pakistan (Pvt.) Ltd., 19.5 KM, Raiwind Road, Lahore.	Name of Qingdao Hound added
1017	Amend	85446010	i) Underground XLPE Insulated Medium Voltage & High Voltage Cable	For Voltage exceeding 1,000 V but not exceeding ~~32,000~~ **72,000** V	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700	Amended per APCCMA request.
			ii) M.V Cable / ABC Cable MV	Medium Voltage Aerial Bundled Cables (ABC) All sizes up to 630 mm sq Medium voltage cables (MV) (3.6/6kV) (6.35/11kV) (8.7/15kV) (12/20kV) (18/30kV) (19/33kV)	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore	No Change
New	New	85446020	Photovoltaic power cable having single conductor of a kind used for solar	DC Solar Cable of 1x4 mm^2, 1x6 mm^2, 1x10 mm^2 ... up to 1x400 mm^2	-High tensile strength, -Thermal stability, -Resistant to harsh environments	- UV resistant, - Cross linked material, - Oxidation resistant tinned copper conductor, - Flame retardant	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables, 192-Y, Commercial Area, Phase III, DHA, Lahore 3) Pakistan Cables Limited, B-21 Estate Avenue, Sindh Industrial Trading Estate, Karachi 4) Universal Cables Industries Ltd., 61-C, Jami Commercial Street No. 7, Phase 7, DHA, Karachi	New entry of DC Solar Cables requested by APCCMA

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1018		85447000	ii) Optical fibre cables	1.Direct Buried/Armoured from 1 to 288 fiber count standard loose tube design (both dry block and jelly filled construction) 2.Duct Type/un-Armoured from 1 to 288 fiber count standard loose tube design (both dry block and jelly filled construction) 3.All Dielctic Self Supporting Aerial cable (ADSS) Un-armoured from 1 to 288 fibre count standard loose tube design (both dry block and jelly filled construction) 4. Single Mode and Multimode, Buried Cable, Duct Cable, Arial Cable, Central loose tube cable, Gc-652 complied and Gc-655 Complied. Patch Cord and pigtail (all connector type) Single mode and Multimode Patch Cord, Pigtail. (Excluding ultra violet treated cables)	Cable dia 12 to 18 mm.	The cable is manufactured with several co-polymer coated and several other materials like PBT,Thixotropic	1) Celmore Cable Industries (Pvt) Ltd., Plot No. 13, Phase 4, Hattar Industrial Estate, District Haripur, KPK 2) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi 3) LT Engineering & Trade Services (Pvt) Ltd., Lub Thatto, Hassanabdal-43730	No Change
1019		85452000	Carbon Brush	Carbon Graphite	Electrical	Various	Flecbon Corporation, OT 204, 2nd Floor, Techno City Office Tower, Hasrat Mohani Road, Off. I.I. Chundgrigar Road, Opp. Uni Plaza, P.O. Box 6123, Karachi	No Change
1020		85462000	Insulators (Suspension & Tention Insulators, Pin Type, Cutout, Spool, Post Insulators)	Power Insulators	Tensile Strength of Insulators, 70Kn to 120KN	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore	No Change
1021		85469000	i) Insulators, electric, excluding glass and ceramic	95 BIL at 210 PMA Size dia.75x130mm =17373 N as per Din 1451, CEI-ICE273 Size dia. 84x175mm =11938 N as per Din 1451, CEI-ICE273	--	--	IMS Electric (Pvt) Limited (Former: Schneider Electric Pakistan (Pvt) Ltd., D-163, S.I.T.E Karachi	No Change
			ii) Insulator; - (LT ABC) for D-Clamp 5-½" - (LT ABC) for D-Clamp 3-½"	LT ABC Insulator bundle holder	PA 66 with 30% GF	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi	No Change
			iii) 11 KV Silicon Rubber Insulator Type DO Cut-out	11 KV Dropout Cut -out (Silicon Rubber Type)	Copper 99.9%, Brass, Steel, Glass Fibber, Silicon Tube, MS Sheet, MS Hardware	--		No Change
1022		86071900	Wheels, locomotives or rolling-stock	Traction Pinion and Gears 17T, 18,T, 19T, 24T, 60T, 92 Teeth	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1023		87053000	Fire Fighting Vehicles	Fire fighting vehicles, built on locally-available Chasis	Truck Mounted Trailer Mounted	--	1) Haseen Habib Corporation [Pvt] Limited, 123/3 Quaid e Azam Industrial Estate, Lahore 2) Colibrative Heavy Industries (Pvt) Limited., Chowk Saeed, Sagian Bypass Road, Shahdhara, Kot Abdul Malik, Lahore 3) Meraj (Pvt) Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135 Karachi – 74900 4) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 5) Automobile Corp. of Pakistan (Pvt) Ltd., 14, Dockyard Road, West Wharf, Karachi 6) Pakistan Vehicle Engineering (Pvt) Ltd., D-134, S.I.T.E, Manghopir Road, Karachi 7) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 8) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
1024		87059000	i) Truck Mounted Drlling Rigs and accessories ii) Vehicle Mounted Logging, Geophysical Instruments	Drilling Depth Capacity upto 2000 meter Logging Depth Capacity upto 2000 meter	--	--	Better Engineered Solutions (Pvt) Ltd. 102, Pacific Centre, F-8 Markaz Islamabad	No Change
			iii) Special Purpose Vehicles	Suction and jetting vehicles, Crash Tender, Rescue vehicle, Beach sweeper, Tank transporter, Mobile workshop, Mobile kitchen, Mobile toilets, Recovery Vehicles/cranes, Wreckers, Tow Trucks, Skip Loaders, Street Sweeper, Cranes, Aerial Ladder, Insualted Aerial, Platform /utility truck, Snorkel, Flatbed Trailer, Low Bed Trailer, Scissor Lift /cross lift, Refuse Compactor, Collector truck, Rotavator (Tractor attachment), Hi Catering Truck	Truck Mounted Trailer Mounted, etc	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Colibrative Heavy Industries (Pvt) Limited., Chowk Saeed, Sagian Bypass Road, Shahdhara, Kot Abdul Malik, Lahore 3) Meraj (Pvt) Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135 Karachi – 74900 4) Automobile Corp. of Pakistan (Pvt) Ltd., 14, Dockyard Road, West Wharf, Karachi 5) Pakistan Vehicle Engineering (Pvt) Ltd., D-134, S.I.T.E, Manghopir Road, Karachi 6) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 7) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 8) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
			iv) Fuel / Water Bowzers	1 Cubic meter To 50 Cubic meter	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1025		87079090	Stationary Compactor	Special Purpose	--	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
1026		87162090	i) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Or as per our client requirement	Design Code: ASME Material: Carbon Steel Internal Lining: Fibercoating /Epoxy	Support stimulation fluids upto 16%	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
			ii) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME Material: S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining	Support acid upto 34%		No Change
			iii) Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--		No Change
			iv) Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--		No Change
1027		87163190	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
1028		87163990	i) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Or as per our client requirement	Design Code: ASME Material: Carbon Steel Internal Lining: Fibercoating /Epoxy	Support stimulation fluids upto 16%	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
			ii) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME Material: S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining	Support acid upto 34%		No Change
			iii) Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--		No Change
			iv) Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--		No Change
1029		87164010	Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
1030		87164090	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
1031		87168010	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
1032		87168090	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.	No Change
1033		88079000	Drop tanks and air dispensers	Drop tanks and air dispensers for aircraft	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1034		89011000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1035		89012000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1036		89013000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1037		89019000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1038		89020000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1039		89032100	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1040		89032200	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1041		89032300	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1042		89033100	Fiber Glass Boats	Ranging from 10 ft to 70 ft long (International Maritime Specs)	As per Standard	As per Standard	1) Business & Engineering Trends, 100-A Wazir Ali Road, Upper Mall, Opposite Lahore Gymkhana Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park Harbanspura Lahore - 54850	No Change
1043		89033200	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1044		89033300	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1045		89039900	Fiber Glass Boats	Ranging from 10 ft to 70 ft long (International Maritime Specs)	As per Standard	As per Standard	1) Business & Engineering Trends, 100-A Wazir Ali Road, Upper Mall, Opposite Lahore Gymkhana Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park Harbanspura Lahore - 54850	No Change
1046		89040000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1047		89051000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1048		89052000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1049		89059000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
			Light-vessels	Range up to 4mm ~ 20 mm plate thickness	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1050		89061000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1051		89069000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1052		89079000	i) Tanks, storage, floating	All type of floating storage tanks for oil feilds	Skid mounted storage tanks for fuels, eatable oils and water, round storage tankds with fixed proof for oil/ fuel, Round storage with floating roof for oil/ fuel.	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan	No Change
			ii) Storage Tanks/Pressure Vessels	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi	No Change
1053	Add	90019000	Lenses and Shell Cover for LED Bulb Led bulb shell cover	1W to 18W			1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 3) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 4) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore. 5) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi **6) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of Opto Electronics added. As per our meeting with LED Sector, this entry may be deleted.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
New	New	90051000	i) Tarsier Mini 35MF	- Thermal weapon sight for shorter range (FOV 17.6) - Detection range upto 2000m - HD display - Magnification 1.4x - Temp. difference < 35mK - Internal memory 8GB - Operating temp. -35 to +55 degree C - Compatibility with MIL-STD-1913 - Objective lens 35mm	- Light weight < 0.7Kg - Hand-held device - Aluminum body with black anoidinzing - Water proof	--	Shibli Electronics (Pvt.) Ltd., Near Qutbal Toll Plaza, Fateh Jang Road, Islamabad.	New entry added per industry request.
			ii) Tarsier Mini 50MF	- Thermal weapon sight for shorter range (FOV 12.4) - Detection range upto 2000m - HD display - Magnification 2x - Temp. difference < 35mK - Internal memory 8GB - Operating temp. -35 to +55 degree C - Compatibility with MIL-STD-1913 - Objective lens 50mm	- Light weight < 0.7Kg - Hand-held device - Aluminum body with black anoidinzing - Water proof	--		
			iii) Tarsier LR	- Thermal weapon sight for longer range (FOV 6.2) - Detection range upto 4000m - HD display - Magnification 4x - Temp. difference < 70mK - Internal memory 8GB - Operating temp. -35 to +55 degree C - Compatibility with MIL-STD-1913 - Operating time > 10 hrs with battery	- Light weight < 1.6Kg - Aluminum body with black anoidinzing - Water proof	--		
			iv) SKUA LR	- Binocular for longer range (FOV 6.2) - Detection range upto 4000m - HD display - Magnification 4x - Temp. difference < 70mK - Internal memory 8GB - Operating temp. -35 to +55 degree C - Compatibility with MIL-STD-1913 - Operating time > 10 hrs with battery	- Light weight < 1.6Kg - Aluminum body with black anoidinzing - Water proof	--		
New	New	90059000	Mechanical parts	Machining of all machanical parts used for cameras	Aluminum 7075	Aluminum alloy	Shibli Electronics (Pvt.) Ltd., Near Qutbal Toll Plaza, Fateh Jang Road, Islamabad.	New entry added per industry request. However, it is for inhouse consumption.
1054		90172000	i) Geometry Box ii) Compass iii) Scales iv) Rulers (6 inches,8 inches & 12 inches)	- All Type Mathematical Geometry Box & Metal Compass for Students.	-Polypropylene -SAN RESIN -ABS -Zinc Alloy	--	1) Brother Industries, 190/1, Sector 23, Korangi Industrial Area, Karachi 2)Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore 3) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1055		90183110	i) Regular Syringes with needles	1-CC, 3-CC, 5-CC, 10-CC, 20-CC, 50-CC, 60-CC	E.O. Sterilized, 3-part, luer or slip lock, gasket, plunger, barrel. Precise calibrate graduation barrel mark scale printing. Needle with color hub.	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi	No Change
			ii) Insulin Syringes with needles	1-ml, 1-CC	E.O Sterlized single use 1-ml/CC insulin Unibody syringe with self destructive plunger, precise calibrate graduation barrel mark scale printing.			No Change
1056		90183120	Regular Syringes without needles	1-CC, 3-CC, 5-CC, 10-CC, 20-CC, 50-CC, 60-CC	E.O. Sterilized, 3-part, luer or slip lock, gasket, plunger, barrel. Precise calibrate graduation barrel mark scale printing. Needle with color hub.	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi	No Change
1057		90183940	i) Intravenous Catheters / IV Cannula and parts	14-G, 16-G, 18-G, 20-G, 22-G, 24-G, 26-G	E.O. Gas sterilized Radio Opaque Catheter tube. Stainless Steel needle with sharp grinded tip for easy insertion and painless cannulization. Providing of a vent fitting preventing blood escape and medicine. (3-types, injection port and straigth).	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi	No Change
			ii) One way stopper/ 3-way stopper	Connector for I.V. Cannula/ catheter	E.O. Sterilized, Blister pack, connector.	Medical grade raw materials		No Change
1058		90184900	i) Scalers, dental	High grade	--	--	Acumen Surgical (Pvt) Ltd., Jinnah Town, Capital Road, Sialkot	No Change
			ii) Dental Operatory system complete	Dental Unit Dental Chair Dental Light Dental stools Dental Compressor Dental Suction Comprising of unit, dental chair, compressor, suction,	Metals:- Iron sheet, angle Iron, Brass, SS; Casting of aluminum, Bolts, Nuts & Screws, Welding Rods etc Electrical/Electronics: Electric, cables & connection, IC, transistor, resistor, PC board, Limit Switch, rubber material, glass, Cables, Membrane sheet, Panel switches, Foot Switches, Variable Switches Hydraulic/Mechanical: Motor, solenoid valves, Presser Pipes Connector Cylinder, ORings, Gears Pneumatics: Foot controller, Pneumatics, valves, Tubes, Switches, pull back & master valve. Plastic/UPVC/Rubber: Foam upholstery UPVC tubing, silicone sheet packing material Misc: Porcelen /Ceramic bowl, Glass reflector, LED's etc., Stoving paint, plastic Epoxy, Quoting paint, Wooden seats, head rest, packaging.	Fiber glass chrome Nickle Cadmium plating process Hydraulic oil Acid phosphate UPVC rubber	Westech Pvt Ltd., 69-C, Ghaus-ul-Azam Road, Lahore	No Change
1059		90268000	i) Online Pressure Monitoring Solution	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.	No Change
	Add		ii) Self Operated Regulator (043)	3/4" NPTF Capacity 500 to 600 3/4" NPTF Capacity 4000 to 5000	Denisty 2.65 g/cm3 Freezing 575-565 Elongation 30%	LM-6, Al-86%, Si-12%, Other 2%	1) Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi **2) Hussaini Trading Co., Plot No. 53, Sector 6, New Karachi Industrial**	Hussaini added as per request

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Temperproof Regulator (Small / Large Size)	1/2"x1/2" Low / High Capacity 8" W.C			**Area, Karachi.**	No Change
1060		90281000	i) Gas Metering Skid	Senior/ Junior Orifice	-	-	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000	No Change
			ii) Gas Meters, Parts thereof	Aluminum Body, Case & Covers of Gas Meter Gas Meter G 1.6 Gas Meter G 4, Gas Memter V3	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
			iii) Gas Meters	Gas Meter (G-1.6) with Non-Return Valve - Cyclic Volume 0.8 liter - Maximum Operating Pressure 0.5 bar - Qmax 2.5m^3/hr - Qmin 0.016m^3/hr - Temp. Range -20 ^oC to +50 ^oC Gas Meter (G-4) with Non-Return Valve - Cyclic Volume 1.2 liter - Maximum Operating Pressure 0.5 bar - Qmax 6m^3/hr - Qmin 0.04m^3/hr - Temp. Range -20 ^oC to +50 ^oC	--	--	Sui Southern Co. Ltd., (Meter Manufacturing Plant), ST-B/B-14, Sir Shah Muhammad Suleman Road, Gulshan-e-Iqbal, Karachi	No Change
1061		90283000	i) Meters, electricity	Solid State & Pre Paid Energy Meter	--	--	MicroTech Industries (Pvt.) Ltd., Attari Industrial Estate, Plot # 2, Street # 2, 18 KM. Ferozepur Road, Lahore	No Change
			ii) Meters, electricity	1) Single Phase AC Energy Meters, 10/40 Amps, 240V, 50 Hz Accuracy Class-2 housed in polycarbonate meter box with magnetic bearing. 2) Single Phase Meters 10 to 60 Amps 3-Phase Meters 10 to 100 Amps CT & PT Operated 3 Pahse Meters 5 Amps 3) 3-Phase, 4-wire, 3-Element, Electromechanical AC Energy Meters, 15(90) Amps, 230/400V, 50 Hz, Accuracy Class 2.0 Housed in polycarbonate Meter box with L.E.D.s with Magnetic Bearings. 4) Static 3-Phase, 4-wire, whole current energy meter with multi rate tariff (Class-1) in polycarbonate cover.	--	--	1) Escorts Pakistan Ltd, Escorts House, 26-Davis Road, Lahore 2) KBK Electronics (Pvt) Ltd., (formerly SB Electronics Engineering & Control (Pvt) Ltd.), 86, Tariq Block, New Garden Town, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			iii) Meters, electricity	- Single / Three Phase Electronic/ Electromechanical Meter, 220 volts, 400 volts and 50 c/s, MDI Meter (LT/HT), KVARH Meter (LT/HT), Three Phase CT Operated Electronic Meter, Prepaid Meter, Electronic Module for MDI, Meter components i.e., Current Coil Assy, Potential Coil Assy, Rotor Assy, Brake Magnet Assy, Meter Base Assy, Meter Fame, Meter Cover Assy, Meter Security Box, Terminal Block Assy & Brass/Copper Terminals,	--	--	1) Syed Bhais (Pvt) Ltd., 200 Ferozepur Road Lahore 54600 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road Lahore	No Change
			iv) Static Single Phase Energy Meters	For measurement of KWH and MDI (Maximum Demand Indicator) for domestic and commercial users with anti tampering features. (As per WAPDA's design)	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore	No Change
			v) Static Three Phase Whole Current Energy Meters	Three Phase 04 wire TOD (Time of Day) and MDI (Maximum Demand Indicator) multiple tariff meter, anti tampering, date and time recording features. (As per WAPDA's design)	--	--		No Change
			vi) 3 Phase 4 wire LT (TOU) CT Operated Static Energy Meters	Static 3 phase 4 wire multi-rate meters for measurement of active & reactive energy/ load, with memory features to record events and transfer data. (As per WAPDA's design).	--	--		No Change
			vii) 3 Phase 4 wire HT (TOU) CT & PT Operated Static Energy Meters	For measurement of active, reactive energy, Indicating Maximum Demand/ load profile with specific characteristics to store and transfer data. (As per WAPDA's design).	--	--		No Change
	Add		viii) Static 1-Phase Energy Meter	Static 1-Phase, 2-Wire, 240V, 10(40) Amp, 50Hz, Energy Meter with Accuracy Class 0.1	--	--	1) MicroTech Industries (Pvt.) Ltd., Attari Industrial Estate, Plot # 2, Street # 2, 18 KM. Ferozepur Road, Lahore **2) Pak Elektron Ltd., 14 Km Ferozpur Road, Lahore.**	PEL name added
			ix) Static 3-Phase Energy Meter	Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz Whole Current Energy Meter having Accuracy Class 1.0 Active Energy & Accuracy Class 2.0 Reactive	--	--		No Change
			x) LT type CT Operated Energy Meter	LT type TOU CT operated, 3-Phase, 4-Wire, 3-Element, 3x230/400V, 5/10Amp, 50Hz Energy Meter having Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh	--	--		No Change
			xi) RF enabled Static 1-Phase Energy Meter	RF enabled Static 1-Phase, 2-Wire, 240V, 10(40) Amp, 50Hz, Accuracy Class 0.1 Energy Meter with Built-in RF Module	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xii) RF enabled Static 3-Phase Energy Meter	RF enabled Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh Whole Current Energy Meter with Built-in RF Module	--	--		No Change
			xiii) AMR enabled Static 1-Phase Energy Meter	AMR enabled Static 1- Phase, 2-Wire, 240V, 50 Hz, 10/40 Amp, Accuracy Class 1.0, Energy Meter DLMS/COSEM complaint, with built-in GSM/GPRS communication module	--	--		No Change
			xiv) AMR enabled Static 3-Phase Energy Meter	AMR enabled 3-Phase Whole Current, 230/400V, 3- Phase, 4-Wire, 50 Hz, 10/100 Amp, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh, Static Energy Meter, DLMS/COSEM complaint with built-in GSM/GPRS communication module	--	--		No Change
			xv) AMR enabled LT type CT operated Energy Meter	AMR enabled LT type CT operated, 3-Phase, 4-Wire, 3-Elements, 3× 230/400 V, 5(10) Amp, 50 Hz, Accuracy Class 1.0 for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--		No Change
			xvi) AMR enabled HT type CT & PT operated Energy Meter	AMR enabled HT type CT & PT operated, 3-Phase, 4-Wire, 3-Elements, 3× 63.5/110V, 5(10) Amp, 50 Hz, Accuracy Class 1.0 for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--		No Change
			xvii) AMR enabled HT LT type Energy Meter Accuracy Class 0.5S	AMR enabled HT LT type CT & PT operated, 3-Phase, 4-Wire, 3-Elements, 3×63.5/110V, 230/400 V, 5(10) Amp, 50 Hz, Accuracy Class 0.5S for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--		No Change
			xviii) AMR enabled Static 1-Phase Prepaid Energy Meter	AMR enabled Static 1- Phase, 2-Wire, 240V, 50 Hz, 10/40 Amp, Accuracy Class 1.0, Energy Meter DLMS/COSEM complaint, with built-in GSM/GPRS communication module with connect / disconnect relay	--	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			xix) AMR enabled Static 3-Phase Prepaid Energy Meter	AMR enabled 3-Phase Whole Current, 230/400V, 3- Phase, 4-Wire, 50 Hz, 10/100 Amp, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh, Static Energy Meter, DLMS/COSEM complaint with built-in GSM/GPRS communication module with connect / disconnect relay	--	--		No Change
			xx) Static 3-Phase Bi-Directional Energy Meter	Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz Whole Current Bi-Directional for Net / Green Metering Energy Meter having Accuracy Class 1.0 Active Energy & Accuracy Class 2.0 Reactive	--	--		No Change
	Add		xxi) Wire Energy Meter	Model TPI-124 (WAPDA), Model TP-12k (KE), Model TP-34K (KE)	Single Phase-2, Three Phase-4	--	Transfopower Industries (Pvt.) Ltd., 2KM, Katar Bund Road, Off Multan Road, Lahore.	Tranfopower requested for addition of this entry.
	Add		xxii) Wire GSM/GPRS AMI Energy Meter	Model TPI-12G (WAPDA+KE), Model TPI-34G (Uni+Bidirectional)	Single Phase-2, Three Phase-4	--		Tranfopower requested for addition of this entry.
	Add		xxiii) Wire Bidirectional Energy Meter	Model TPI-343 (WAPDA), Model TPI-34N (WAPDA)	Three Phase-4	--		Tranfopower requested for addition of this entry.
	Add		xxiv) Wire TOU/TOD LT Type CT Operated Energy Meter	Model TPI-34LT (WAPDA)	Three Phase-4	--		Tranfopower requested for addition of this entry.
	Add		xxv) Wire TOU/TOD LT/HT Type CT/PT Operated GSM/GPRS AMI Energy Meter	Model TPI-34LTG (Uni+Bidirectional)	Three Phase-4	--		Tranfopower requested for addition of this entry.
	Add		xxvi) Smart Meter	i. AMI/AMR, ii. LT-HT AMI/AMR, iii. Whole Current AMI/AMR	Static Single Phase and Static Three Phase	--	1) MicroTech Industries (Pvt.) Ltd., Attari Industrial Estate, Plot # 2, Street # 2, 18 KM. Ferozepur Road, Lahore 2) Creative Electronics (Pvt.) Ltd., 475-476, Sunder Industrial Estate, Lahore. 3) Accurate (Pvt.) Ltd., 104-I, M.A Johar Town, Lahore. 4) KBK Electronics (Pvt.) Ltd., 1st Floor, Sunam Building 17-Ferozpur Road, Lahore.	Added after Bonafide Certificate issued to the firms for smart meters.
1062		90289090	1) Online Temperature/ Energy Monitoring Solution GSM Based	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
	Add		2) A. Body Parts of G-4 Gas Meters: i. Top Case and Bottom Case ii. Index Pivot iii. Index Shaft iv. Shuftting Box Shaft v. Flaf Shaft Aluminum vi. Crank Shaft vii. Top case without deflector viii. Front, Rear and Top Covers B. Body Parts of G-1.6 Gas Meters: i. Front Cover, Top Cover, Rear Cover and Body ii. Index Shaft iii. Index Pivot Small & Large iv. Flag Rod Shaft v. Flag Assembly vi. Valve Grid vii. Valves viii. Non Return Valve				1. Mumtaz Engineering, Plot No. 637/II & III, Block No. 22, F.B. Industrial Area, Karachi. 2. M. Umer & Sons, Plot No. 977, Street No. 20, Mirza Adam Khan Road, Bihar Colony, Karachi. **3. Ali Machine Tool Company (Pvt.) Ltd., Plot No. B-20, Sindh Industrial and Trading Estate, (SITE) Super Highway, Karachi.**	Name of Ali Machine tool added
	New		3) A. Rubber Parts of G-4 Gas Meters: i. Stuffing Box Seal / Index Stuffing Box Gasket ii. Stuffing Box 'O' Ring iii. Casing Gasket iv. Outlet Pipe Gasket v. Measuring Unit Support vi. Gasket Dia vii. Central Body Stuffing Box Gasket B. Rubber Parts of G-1.6 Gas Meters: i. Gasket Index Stuffing Box ii. Rubber Index Cover Gasket iii. Gasket Outlet Pipe iv. Gasket Nitrile Top Cover v. Gasket Port vi. Packing Flagrod vii. Washer Rubber	for G-4 and G-1.6 Gas Meters	Gasket of Nitrile NBR	Rubber NBR, Rubber Accelrators etc.	1. Tabeer Enterprises, Fazal Muhammad Khan Colony, Main Saddar Dewan Road, Kasur. 2. U.S Rubber & Plastic Parts, Zulfiqar Town, Saddar Dewan Road, Kasur.	New entry added per industry request.
1063		90304000	Smart GPRS Terminal (SmartGT)	Power input: 12 to 28Vdc @ 200mA, Digital Input : 6 x Dry Control Alarms, Analog Inputs: Temperature Sensor up to 2.5 Vdc, Fuel Sensor (4-2.5 mA) . 3rd Party Communication Port : RS232, Communication with slave devices (RTUs) : RS485 port / MODBUS. Smart GT is a RS485 gateway terminal for data collection of remote equipment. It is capable of communicating site hardware and transferring processed data in user-defined customized protocol to central RMS server.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 85x62x93 mm; Weight : 410 g	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1064		90308900	DC Power Controller (DPC)	Operating Voltage: 12-60 Vdc, Power Consumption : < 5watts, No. of Dry Contacts / Alarms : x6,DC Current Measurement : Up to 4 Tenants with 1 default CT (± 200A). Remote Monitoring : via RS485 interface DPC is an all-in-one DC management solution for BTS Battery Health Monitoring System, DC Tenant power to energy monitoring, Site Alarms Monitoring, Genset / Battery Cycling Control for hybrid action, Temperature Sensor for Batteries.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 125x165x70 mm Weight : 610 g	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
			Power Measurement Module (PMM)	Input Voltage: 12-30Vdc Input Current: ~150mA 3 Phase AC Current (CT Dependent 100/40A) - upto 100A, 3 Phase AC Voltage (VAC) - upto 300V 3 Phase Apparent Power: upto 24kVA 3 Phase Real Power: upto 24KW Frequency: 50 Hz ± 10% PMM is a low cost AC power meter, advance then conventional power measurement devices, which not only measures mains power, but also the quality of power.	Enclosure: ABS Plastic. Mounting Style: Panel Mount Dimensions:125x165x70 mm. Weight: 500g	--		No Change
			Generator Manager (GEM)	Wide Operating Voltage : 20 - 60V. Adaptibility : +24V or 48V Telecom DC Systems or a Combination. Battery Voltage Monitoring : Upto 3 Batteries (0-100Vdc). Remote Monitoring : Optional via RS 485 interface GEM is a smart generator manager for single/dual Genset controller with multi -functions i.e. A) Genset/ battery hybrid control fuel saving device based on battery voltage and/or shelter temperature. B) Dual Genset Duty Cycle Controller. C) Data Management with smart alert capability via Remort Monitoring.	Enclosure: Extruded Aluminium,Powder coated Mounting Style: Din Rail. Dimensions: 120x62x93 mm; Weight : 640g	--		No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
			Auto Mains Fail (AMF)	Operating Voltage: 8-16Vdc, Operating Current (Max): 390mA at 12Vdc. Single and Three Phase Sensing Voltage (Vac): 30 to 100Hz. Generator Battery Sensing Voltage (Vdc): 9-15 Vdc. Remort Monitoring with alarm: RS485 Port. AMF is a highly efficient module designed for Generator (Genset) power management automatically. It monitors the mains voltages and controls the automatic start, stop and load transfer.	Enclosure: ABS Plastic. Mounting Style: Panel Mount Dimensions: 125x165x70 mm. Weight: 500g	--		No Change
			Grid Export Controller (GEC)	Operating Voltage Range: 9-60Vdc Power Consumption: <5 watts Connectivity : WIFI Communication Port: RS232 & RS485 Protocol: MODBUS RTU / ASCII GEC is a smart solar export limiter to control / limit the solar energy export towards grid. It also works as an Smart Meter which provides export and import energy metering to/from grid.	Enclosure: ABS Plastic. Mounting Style: Din Rail / Panel Mount Dimensions: 90x115x40 mm. Weight: 150g	--		No Change
1065		90321090	i. Gas Controller Thermostat	Temperature Range 30 degree C - 70 Degree C, Differential < 5 degree C, Current 16 Amps Max, Material Brass. Sensor Length 7", 11", 18". Temperature Selection 40 degree C to 80 degree C, Inlet and Pilot Filters, Thermoelectric flame failure safety device. Brass body, inlet 1/2" NPT, Outlet 3/4" 18 TPi, Max inlet Gas Pressure 5" of water column.	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad	No Change
			ii. X-GEN Smart Geyser	Gas, Electric, Solar , Wifi Solar ready Auto Ignition Hybird with remote, Gas saving 60%	--	--		No Change
1066		90328990	i) Stabilizers, voltage	Smart Line Conditioners 1 phase: 2 to 10KVA (with or without Isolation Transformer) 3 phase: upto 30KVA (non-isolated transformer)	Specially designed for Pakistani power conditions, and most suitable for IT & Telecom industry.	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi	No Change
			ii) Solar Charger Controller /Current Controller	Sun Smart 12 Volt 10 Amp to 72 Volt 50 Amp	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi	No Change
1067		91070000	i) Wash Timer (15 minutes to 18 minutes) ii) Spin Timer (3 minutes to 8 minutes)		--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore	No Change
1068		93011000	Mortars, military	Heavy Mortar 120 mm, Light Mortar 81 mm, Mortar 60 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1069		93012000	i) Launchers, rocket	Under Barrel Grenade Launcher GL-40 Rocket Propelled Grenade Launcher RPG-7	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
			ii) Tear Gas Gun	37/38mm Tear Gas Gun (Shell Grenade Launcher)	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
			iii) Grenade Launcher	40mm Shot Range Grenade Launcher (SRGL) / 40mm Hand Held Grenade Launcher (HHGL)	--	--		No Change
1070		93019029	Rifles, military	Recoilless Rifle 106 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
1071		93032011	Gauge Pump Action Shotgun	12 Gauge Pump Action Shotgun "Shooter"	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1072		93032019	i) Shotgun (12 Gauge Single Barrel Shotgun) ii) Rifle' 22 Single Pistol (Pistol Pyrotechnic (Single Pistol)		--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1073		93032020	Double Barrel Shotgun	12 Gauge Double Barrel Shotgun	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1074		93039000	Pistol 9mm Model Trushot	--	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1075		93059111	Padistal Mount for Gun MG1A3	Firing Mechanism	--	--	Pakistan Machine Tool Factory (Pvt) Limited PMTF Road, Off National Highway, Landhi, Karachi-75030	No Change
1076		93062900	Mortar Training Bomb	60mm, 81mm, 120mm Mortar Training Bomb	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1077		93069000	i) Bombs (munition) ii) MK-81 Bomb Casing iii) Penetrating Guidance Bomb Casings Small dia Air Launched Bomb Casing	MK82,MK83,MK84 Low Drag General Purpose.	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar	No Change
1078		94029020	Hospital beds with mechanical fittings	Patient Motorized / Electrical Beds for ICU and CCU etc.	--	--	1) G. Med Equipment, 11A Hurbance Pura Road, Near Railway Crossing P. O. Tajpura Lahore Cantt., 2) Strongman Medifur Systems (Pvt) Ltd., Plot No. 166 Street No. 9, I-10/3 Industrial Area, Islamabad.	No Change
1079		94031000	Metal Shelvings	Mobile Shelving and General Office Shelving etc.etc.	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi	No Change
1080		94037000	Plastic Furniture	Children's outdoor play areas, different varieties to chose from and made to order	--	--	Green Earth Recycling Pakistan, 208/A Street # 5, Cavalry Grounds, Cantt. Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1081	Add	94051190	Light-emitting diode (LED) Energy saving lights:	All types of Light fittings with fixed/fitted LED or SMD or COB (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore. **8) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
1082	Add	94051990	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore. 5) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore **6) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
1083		94052100	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.	No Change
1084		94053100	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1085		94054100	Light-emitting diode (LED) Energy saving lamps:	All types of Light fittings with fixed/fitted LED or SMD or COB (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.	No Change
1086	Add	94054200	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED TRI Proof Light (all sizes); LED High Bay Light (all sizes); LED Projection Ligth (all sizes); LED High Mast Light (all sizes); LED Outdoor Light (all sizes); All in one LED/SMD solar street Lights (all sizes); back up LED lights (sizes); LED Canopy Light (sizes); LED Flood Light (All sizes); LED Street Light (All sizes); LED Sports Stadium Light (all sizes); LED X-RAY Illuminators Light (all sizes) (As per IEC standards)	--	--	1) National Institute of Electronics, Ministry of Science & Technology, H. No. 17, H-9, P.O. Box 1406, Islamabad 2) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 3) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 4) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 5) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 6) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area., Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore. **8) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.** **9) Get Technologies (Pvt.) Ltd., Get Group, 24Km Main Ferozepur Road, Kahna Nau, Lahore** **10) LED Zone (Pvt.) Ltd., 60B, Phase 1A, Industrial City, M3 Motorway, Faisalabad.**	Name of OPTO and GET Tech and LED Zone. added
New	New	94054990	Solar Street Lights	Power: 30W-120W, Battery: LiFePO4, LuminousFlux: 150Lm/W, Material: Die Cast Aluminum, Life: >100,000 Hrs	--	--	Get Technologies (Pvt.) Ltd., Get Group, 24KmMain Ferozepur Road, Kahna Nau, Lahore.	Added per industry request.
1087		94055010	Tubular Day Lighting Device	All types (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1088		94056100	Light-emitting diode (LED) Energy saving illuminated signs	All types of LED Exit and Emergency LED/SMD Lit - Illuminated signs, illuminated name-plates and the like (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 6) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.	No Change
1089	Add	94059900	i) Housing, shell cover for LED Downlights	LED & SMD DownLights (1-18W)	-	PC + PBT	1) Paklite Electrical Industries (Pvt) Limited, Sheikhupura Road, Gujranwala 2) Sunflower Technology (Pvt.) Ltd., Plot No. 385, Sundar Industrial Estate, Lahore. 3) **Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	No Change
			ii) Housing, shell cover for LED Batten Lights	LED Tube Lights (1-18W)	-	PC		Name of OPTO Electronics added.
			iii) Driver on Board (DOB) for LED Lights and Bulb	1W to 18W			1) Elite Screener, Plot No. C-21 & C-22 Block No. 9 AEECHS, Gulistan-e-Johar, Karachi **2) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
			iv) Stuff Metal Clad Printed Circuit Board (MCPCB) for LED Lights, Bulbs and Lamps	--	--	--	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi 3) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi **4) Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.**	Name of OPTO Electronics added.
	Add		v) Metal Heatsink for LED Bulb housing	Metal heat sinks for LED Bulb of sizes: A45, A60, A65, A72	Of Metal	--	Opto Electronics (Pvt.) Ltd., Plot No. 38-AB, Sundar Industrial Estate, Sundar, Lahore.	Name of OPTO Electronics added.

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1090		94061010	Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan	No Change
1091		94061020	Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan	No Change
1092		94061030	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan	No Change
			ii) Silos	--	As per Customer Specification	As per Customer Specification	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1093		94061040	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan	No Change
			ii) Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
1094		94061090	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan	No Change
			ii) Insulated Panels	Polyurethane Panels (PU), Polyisocyanurate Panels (PIR), Rock Wool Panels	25mm to 300mm, upto 16mtr length	--	1) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 2) Foster Refrigerators (Pvt) Ltd., 7-Main Industrial Area, Kot Lakhpat, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore	No Change
1095		94069040	i) Clean room panels & prefabricated buildings for cold storage	Both side PPGI/ SS sheet with different kind of insulated material in middle.	Fire Class =A2 Heat transfer Coefficient = 0.82 W/m2K Adhesive property bond strength = 0.07MPa Flexibility = 1.3 KN/M2	PE (Poly Ethylene Coating)	PAK GUSU Technology (Pvt) Ltd. 8-km Sundar Raiwind Road Lahore	No Change
			ii) Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1096		94069050	i) Clean room panels & prefabricated buildings for cold storage ii) Clean Room Doors iii) Single / Double Glass Clean Window	- Both side PPGI/ SS sheet with different kind of insulated material in middle. - Powder Coated / Epoxy or SS type flushed door with looking glass and Auto Door shutter at bottom. 5 mm tempered glass suitable for Flush fixing with Panels	Fire Class =A2 Heat transfer Coefficient = 0.82 W/m2K Adhesive property bond strength = 0.07MPa Flexibility = 1.3 KN/M2 Flushed door with no edge for dust stay.	PE (Poly Ethylene Coating) PE/ Epoxy coated or SS	PAK GUSU Technology (Pvt) Ltd. 8-km Sundar Raiwind Road Lahore	No Change
1097		94069090	Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.	No Change
1098		95070000	Fish landing nets, butterfly nets and similar nets	Made of pure HDPE virgin, UV stabilized	Net rolls	polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
1099		95079000	Fish landing nets, butterfly nets and similar nets	Made of pure HDPE virgin, UV stabilized	Net rolls	polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK	No Change
1100		9607.1100	Zipper fitted with chain scope with stoppers	--	--	--	Monika Enterprises, 2110/93, Nawaz Chowk, Mian Bagerian Road, Green Town Lahore	No Change
1101		96081000	i) Ball Point Pens	All Types	--	--	1) Shahsons (Pvt) Ltd., D-88, S.I.T.E., Manghopir Road, Karachi. 2) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700 3) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi	No Change
			ii) Fine Liner	--	--	--	Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore	No Change
			iii) Gel Pens	--	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700	No Change
			iv) Roller Ball Pens	--	--	--		No Change
1102		96082000	i) Pens, felt-tipped	Writing, colouring and marking pens, all types (felt tipped with and without metal / plastic jackets).	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700	No Change
			ii) Markers, felt-tipped	Markers all types (Permanent, Highlighters, White Boards, Refillable / Sealed)	--	--		No Change
			iii) Markers	With porous tipped pens	--	--	Indus Pencil Industries, B-54,	No Change
			iv) Fine Liner Pens	Tip with metal jacket	--	--		No Change
			v) White Board/ Permanent Markers & Highlighters	--	--	--	Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore	No Change
			vi) Fiber Tip Pen with both side Tips (Ink Remover)	Writing & Erasing pen with both side tips	- Polypropylene/ HDPE/ Syntehtic Fibre Reservoir /Fibre Tips	- Water Base Ink - Dyes	1) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi 2) Dollar Industries (Pvt.) Ltd., D-85, SITE, Karachi-75700	No Change
			vii) Fine Liner Pen / Sign Pen	Writing & Marking Pen with fibre tip with metal adaptor	- Polypropylene/ HDPE / ABS/PC / Syntehtic Reservoir Fibre / Fibre Tips	- Water Base Ink - Dyes		No Change
			viii) Marker	Permanent & White Board Marker with Acrylic & Polyster Nibs	- Polypropylene / HDPE/ Syntehtic Fibre Reservoir / Acrylic Nibs / Polyester Nibs	- Alcohol Base Ink - Water Base Ink		No Change
1103		96083000	Pen, fountain	Fountain pens, all types	--	--	1) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700 2) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 3) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore	No Change

Existing S. No.	New S. No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company	Remarks
1104		96091000	Pencils	All Types	--	--	1) Shahsons (Pvt) Ltd., D-88, S.I.T.E., Manghopir Road, Karachi. 2) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 3) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700	No Change
1105		96099000	Wax Crayons	For childern	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi	No Change
1106		99310000	Ambulance Lifter	Ambulance Lifter Upto 22ft working height from ground suitable for aircraft upto Boeing 777	Truck Mounted Trailer Mounted	--	1) Bilal Engineering Company, G.T Road Opp. Rescue 1122 Office, Pindi Bypass, Gujranwala 2) Javaid Iqbal Industrial (JIC), Jinnah Interchange G.T. Road, Gujranwala 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.	No Change
		Note:						
		1).	The Annexures (I & II) mentioned againt respective entries of M/s Peoples Steel Mills Ltd. form the integral Part of the CGO.					
		2).	The above listed machinery/ equipment/ materials, etc. include their substitutes, the concessionary import of which would also not be allowed.					
		3).	Import of Proprietary spares whose parent equipment is not manufactured locally shall be cleared as per terms of SRO 678(I)/2004 subject to the following:					
			i) Proof of concessionary import (Bill of entry or any other appropriate commercial document) of the parent equipment not manufactured locally.					
			ii) Undertaking by the importer that the imported items are proprietary spares of the equipment mentioned at (i) above and are certified as					
			such either by the manufacturer (OEM) of integral sub-equipment of the parent equipment, as the case may be.					
		4).	The HS/ PCT Code used in column 2 above are purely for reference purpose.					

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Revised / Updated List of Locally Manufactured Goods (CGO-04/2022)

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
1	1	15200000	Glycerol (glycerin), crude	Glycerol % 99 Min. Boiling point 250 Min, Iron content (ppm) 0.5 max. Chloride (PPM) 2.0 max.	Appearance Clear white liquid, Sugar +ve (0.25) Specific Gravity 1.256 ~ 1.260	Acidity as Na_2O 0.00052%, Fatty Acids & Easter as Na_2O Eqv. 0.0077%	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
2	2	17023000	Liquid Glucose (less than 1% Fructose)	$C_6H_{12}O_6$	Clear Viscouse Syrup, sweet in taste	Baume at (100°F)-43, Dextrose equivalent-38-46, Total Solids-79-80.5, Brix-81.5-83.0, Moisture Contant-21-19.5%, PH-4.5-5.5, So2-03ppm Max, Solubility - Soluble in water	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi
3	3	17025000	High Fructose	$C_6H_{12}O_6$, Fructose 42%, Glucose 54%, Maltose 4%	Light Yellow Viscous Syrup having sweet taste	Brix - 69.5, PH - 3.5-4.5, Ash - 0.1%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi
4	4	17029030	Malto dextrin	$C_6H_{12}O_6$ (10DE to 19DE)	A free flowing white powder odourless having Blend taste	Dextrose equivalent-12-19 DE, PH-5.0-6.0 3 - Ash - 0.2%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi
5	5	25010010	Sodium Chloride (Table Salt)	Pyrogen free grade	Salt and Pure Sodium Chloride	NaCl	Hub-Pak Salt Refinery, C-206 Hub Industrial Trading Estate Hub, Balochistan
6	6	25010090	Sodium Chloride	Pyrogen free grade	Salt including table salt and Pure Sodium Chloride	NaCl	Hub-Pak Salt Refinery, C-206 Hub Industrial Trading Estate Hub, Balochistan
7	7	25081000	Bentonite	Viscosity (Fann viscometer 600 RPM): 15 cps. min. Filtrate Loss (at 100 psi, 30 min.): 15 cc max. pH: 9-10 F36 (Excluding untreated Bentonite meeting API specifications)	Dry Particle Size: 80% < 200 mesh Wet Particle Size: 80-90% < 0.5 micron Residue 75 microns: 4% max. Moisture: 10% max.	SiO_2: 50-60 %, Al_2O_3: 15-20 %, $Fe2O_3$: 2-4 % MgO: 4-6 % CaO: 3-6 %, K_2O: 0.2-0.5 % TiO_2: 0.2 – 0.5 % Others: 0.5 – 1 % Moisture: 5-10 % Loss on Ignition: 10-15%	Ahmad Saeed and Company, 2nd Floor, Sindhu Trade Centre, 473, G-III, Johar Town, Lahore
8	8	25201010	Gypsum Powder	100 mesh Gypsum Board Grade	Fine Powder	$CaSO_4$ 1/2 H_2O	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi
9	9	25202000	Plaster of Paris/ Gypsum Plaster / Gypsum Crack Filler	100 mesh Gypsum Board Grade	Fine P+K14:K22owder Dehydrated by Calcination	$CaSO_4$ 1/2 H_2O	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi
10	10	25232100	White Portland Cement	PS (1630:1984): Blane: 4887- Min 2250, CM2/gm Soundness: a) Le-Chatelier Method: 0.5 mm Max 10 mm Setting Time: Initial: 120- Min 45 minutes Final: 150 - Max 600 minutes	3 Days: 36.5 Min 12 Mpa 7 Days: 55.5 Min 19 Mpa 28 Days: 77.5 Mpa	Lime Saturation Factor: 0.94 - Min 0.66, Max 1.02 Insoluble Residual: 0.22% - Max 1.50% Iron Oxide: 0.22% - Max 1.0% Megnesia: 1.27% - Max 4% Sulphuric Anhydride: 2.77% - Max 3%	Maple Leaf Cement Factory Ltd., 42-Lawrence Road, Lahore
11	11	25232900	i) Ordinary Portland Cement	(PS 232-2008) R: Blane: 332-Min 225 M2/Kg Soundness: a) Le-Chatelier Method: 0.5 mm Max 10 mm b) Autoclave Method: 0.02 Max 0.80% Setting Time: Initial: 150 - Min 30 Minutes Final: 180-Max 600 Minutes	3 Days: 37.4-Min 33 Mpa PSI 7 Days: 45-Min 37 Mpa PSI 28 Days: 57.7-Min 53 Mpa PSI	Lime Saturation Factor: 0.94-Min 0.80, Max 1.02 Alumina Iron Ratio: 1.73- Min 0.66 Insoluble Residual: 0.47% - Max 1.50% Megnesia: 2.21% - Max 6% Sulphuric Anhydride: 2.76% - Max 3% Loss on Ignition: 2.71 - Max 3%	Maple Leaf Cement Factory Ltd., 42-Lawrence Road, Lahore
			ii) Sulphate Resisting Portland Cement	(PS 612:1989) Blane: 2882-Min 2500 CM2/g a) Le-Chatelier Method: 0.5 mm Max 10 mm Setting Time: Initial: 215- Min 45 Minutes Final: 270-Max 600 Minutes	3 Days: 4322- Min 2176 Mpa 7 Days: 5497 - Min 3409 Mpa 28 Days: 7252- Min 4932 Mpa	Lime Saturation Factor: 0.91-Min 0.66, Max 1.02 Alumina Iron Ratio: 0.80 Insoluble Residual: 0.38% - Max 2.0% Megnesia: 1.99% - Max 4% Sulphuric Anhydride: 2.11% - Max 2.50% Loss on Ignition: 1.12- Max 3% Tri- Calcium Aluminates: 2.11 - Max 3.50%	
			iii) Low Alkali Cement	PS (232:1983): Blane: 2985- Min 2250 CM2/g Soundness:a) Le-Chatelier Method: 0.5 mm Max 10 mm b) Autoclave Method: 0.002 % Setting Time: Initial: 210 - Min 45 minutes Final: 260- Max 600 minutes	3 Days: 4409- Min 2200 Mpa 7 Days: 5555- Min 3400 Mpa 28 Days: 7310- Min 5000 Mpa	Lime Saturation Factor: 0.91- Min 0.66, Max 1.02 Alumnia Iron Ratio: 0.80 Insoluble Residual: 0.41% - Max 1.50% Megnesia: 1.97% - Max 4% Sulphuric Anhydride: 2.10% - Max 3% Loss on Ignition: 1.12- Max 3%	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
12	12	27021000	Blanket repairing solution	Temporary repair for spots and indentations on lithographic offset printing blankets.	Clear liquid at room temperature. Density @ 15 °C 1.05 – 1.32 g/cm3	Synergistic mixture of hydrocarbons and emulsifiers. Swell the offset printing blanket rubber in a short period of time to enable it for reprinting.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
13	13	27081000	i) Coatar Enamel ii) Primer Synthetic Type II	BS-4164	Black Soild Smooth finsh	Hotmelt Application Coheasion Resistance	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
14	14	27101240	i. Narrow Boiling Range Hydrocarbon Solvent	Hydrocarbon Fluids with Aromatic content. Used as solvents or diluents in paints & coatings, waxes, varnishes/ polishes, adhesives, inks and cleaners & degreasers.	Clear colorless liquid at room temperature. Density @ 15 °C 0.77-0.80 g/cm3 Flash Point ≥ 40°C	Chemically stable and non-corrosive hydrocarbon solvent. Possess a mild odor. Fast evaporation rate.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
New			ii. Low Aromatic White Spirit (LAWS)	Density at 15 C: 790 Flash Point= 36 C Pour Point = -51 C Boiling Range = 154-193 C Aromatic content around 20ppm	Low Odor, colorless, transparent, liquid form	Low aromatic white spirit are complex hydrocarbon substances. There are many low aromatics white spirit range including D40, D60, D80. they all have aromatic content below 20 ppm. Carbon Chain Length: C9-C11 CAS Number: 64742-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi
New	15	27101250	Mineral Spirit	Density@15C = 794 Flash Point = 40 C Pour Point = -21 C Boiling Range = 149 - 215 C	Colorless Bright, Crystal Clear Transparent Liquid	Mineral Spirit is made from the blended petroleum distillates with an initial boiling point 149C and 160C and a final boiling point between 205C and 215C. it is Sulfur free dearomatized solvent. Carbon chain length: C9 – C11 CAS Number: 64742-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi
15	16	27101919	Narrow Boiling Range Hydrocarbon Solvent	Hydrocarbon Fluids with Aromatic content. Used for machine and parts cleaning and diluents in waxes, cleaners & degreasers.	Clear colorless to yellow liquid at room temperature. Density @ 15 °C 0.78-0.810 g/cm3 Flash Point ≥ 60 °C	Chemically stable and non-corrosive hydrocarbon solvent. Possess a mild odor. Extended evaporation rate.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
16	17	27101991	Mineral oil (Coning oil) (Spin Finish oil)	Density@ 20C = 0.85 – 0.88g/cm3 Flash Point = 200F and above Pour Point = -21 Water Content = 0.5% Max Viscosity at 40C = 8.5 – 10.5 CST	Colorless to slightly yellowish oily Liquid	A mineral oil is light mixtures of alkanes in the C15 to C40	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi
17	18	27101996	White oil	Density@20C = 0.82 - 0.85g/cm3 Flash Point = 320F Pour Point = -18 Color = +30 Doctor Test=Negative Odour = Odorless Viscosity @ 40C = 15 – 22 CST (can be adjusted according to demand) Ultraviolet Absorbance, CFR 178.3620 (b) 280 to 289 nm 4.5 290 to 299 nm 3.5 300 to 329 nm 2.5 330 to 350 nm 1.1	Transparent, colorless, bright and crystal clear oily liquid.	mixtures of paraffinic and naphthenic hydrocarbons components; consists of alkanes (isoparaffins), saturated cyclic alkanes (naphthenic), alkylated aromatics processed of sulphuric acid treatment, dewaxing and hydro treating. pure, stable, colorless, odorless, non-toxic and chemically inert. for application as industrial lubricant & process oils, cosmetics and chemical processing. 21 CFR 172.878, 21 CFR 178.3620, 21 CFR 573.680,	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi
New	19	27101999	Knitted Oil	Density @ 20C : 0.8501 Kinematic Viscosity @ 40C : 22 Cst Flash Point C : 180C	Slightly Yellowish Oily Liquid	High Viscosity Index Paraffinic base stocks treated with oxidation corrosion and foam inhibitor an antiwear addative package with highly stable emulsifier system	Gani Star Industries, D-67, Q-1, S.I.T.E Super High Way, Phase I Karachi.
New	20	27149000	White Flux	Density @ 15 C : 780 Flash Point C : 40C Por Point= -20C Boiling Range: 155-205 C	Colorless, Bright, Crystal clear, transparent, liquid form	White Flux is based on Petroleum Distillates. These complex hydrocarbons reduced the viscosity of bitumen and mix into asphalt and or pored onto the surface. Carbon chain length: C9-C12 CAS Number: 647442-48-9	Reliance Petrochem Industries (Pvt) Ltd., 1301, 13th Floor, Chappal Plaza Hasrat Mohani Road, Karachi
18	21	28011000	Chlorine	99.9% pure chlorine	Yellow liquid with very irritating odor	Cl_2	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi
19	22	28030010	Carbon Black (Rubber Grade)	N-220, N-330, N-339, N-375, N-326, N-550, N-660 and N-77	N-220, N-330, N-339, N-375, N-550, N-660, N-7	C % 97-98	National Petrocarbon (Pvt) Ltd., 301-304 3rd Floor Beamount Plaza behind PIDC House Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
20	23	28042100	Liquid Argon	<5 ppm Oxygen	A colourless, odorless, tasteless, noncorrosive, nonflammable and extremely cold noble gas.	Chemical formula: Ar, Mol. Weight: 39.95g/mol, Specific gravity: 1.4, B.P: -185.8 C and Freezing point: -189.3 C	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.
21	24	28042900	i) Compressed Oxygen in cylinders	99.70%	Colourless, odorless and tasteless gas. 21% in air by volume.	Symbol: O2, Atomic Number: 8, Atomic mass: 15.9994	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.
			ii) Compressed Nitrogen in cylinders	<10 ppm Oxygen	Colourless, odorless inert gas. 78% of air by volume.	Chemical formula: N2, atomic Number: 7, atomic weight: 14.0067, specific gravity: 0.97, density: 1.2506 Kg/m3	
			iii) Compressed Argon in cylinders	<5 ppm Oxygen	A colourless, odorless, tasteless noble gas. Boiling point: -185.8 C and Freezing point: -189.3 C.	Chemical formula: Ar, Mol. Weight: 39.95g/mol, Specific gravity: 1.4, density: 1.7837 Kg/m3	
22	25	28043000	Liquid Nitrogen	<10 ppm Oxygen	A colourless, odorless clear liquid, evaporates rapidly producing cold gaseous Nitrogen. It is denser than air.	Chemical formula: N2, Mol. Weight: 28.01 g/mol, Specific gravity: 0.808, Specific heat: 2.042 Kj/Kg and Boiling point: -195.8 C	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.
23	26	28044000	Liquid Oxygen	99.70%	An odorless, pale blue colour and is strongly paramagnetic. Boiling Boint: -182.6 C and Freezing point: -218.8 C	Symbol: O2, density: 1141 g/l (slightly denser than water).	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.
24	27	28061000	Acid, Hydrochloric	35% (+/-1)	Colorless to yellow liquid	HCl	1) Sitara Chemical Industries Ltd. 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
25	28	28070000	Acid, Sulphuric	96% and above	Specific gravity 1.84 Sour Taste Colorless Odorless Iron contents < 100 ppm Hardness < 60 ppm	Formula H_2SO_4, strong exothermic reaction when diluted, excelent dehydrating agent, reacts with metals to form metalic sulphates, (Copper sulphate, Zinc sulphate, Nickel Sulphate), strong oxidizing agent. Reacts with non metal substances to make nonmetalic sulphides. Reacts with carbon to make CO_2 and SO_2. Reacts with NaCl to mak $NaHSO_4$ and HCl.	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd.,77 D New Muslim Town Main Wahdat Road Lahore 3) Prime Chemical (Pvt) Ltd., 18-A, Civic Centre, Faisla Town (Women Welfare Complex), Lahore 4) Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400 5) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi
26	29	28112100	Carbon Di Oxide	99.99% Purity	Liquified Colorless, Odorless gas	CO_2	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
27	30	28151100	Caustic Soda, solid	97%	Flakes and Solid	NaOH	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
28	31	28151200	Caustic Soda, liquid	50%	Colorless solution, liquid	NaOH	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
29	32	28259000	Calcium Hydroxide, excluding natural	96% (by weight)	White fine powder	$Ca(OH)_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
30	33	28271000	Ammonium Chloride	99.70%	White crystals	NH_4Cl	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
31	34	28272000	Calcium Chloride	77% min. & 94% minimum	Granular Powder Form and Prills	$CaCl_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
32	35	28273100	Magnesium Chloride	Min 46% & Max. 98%	Off White Granular Solid	$MgCl_2.6H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
33	36	28273500	Nickel Chloride	24% as Nickel	Yellowish green crystalline powder	$NiCl_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
34	37	28273900	Iron / Ferric Chloride	40% (+/-2) solution	Dark red / brown liquid	$Fe Cl_3$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
35	38	28281010	Calcium Hypochlorite	30% and 35% (+/-1)	White, Crystalline solid	$Ca(OCl)_2$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
36	39	28289000	Sodium Hypochlorite	19 - 20%	Pale Greenish / yellow, Commercial grade	NaOCl	1) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad 2) Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi 3) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
37	40	28331900	Sodium Sulphates, other	98% and above	Industrial grade for Glass, Detergent Tile	Na_2SO_4 (98%)	Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi
38	41	28332100	Magnesium Sulphate	48% Min	Colorless prismatic crystals	$MgSO_4.7H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
39	42	28332200	Sulphates; aluminum	Of Aluminium 14-15%	In Lumps Form.	14-15%	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd.,77 D New Muslim Town Main Wahdat Road Lahore 3) Prime Chemical (Pvt) Ltd., 18-A, Civic Centre, Faisla Town (Women Welfare Complex), Lahore 4) Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400 5) Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
40	43	28332400	Nickel Sulphate	Nickel 22 $\pm$ 1%	Greenish Crystals	$NiSO_4.6H_2O$	Sitara Chemical Industries Ltd., 32-KM Sheikupura Road, Faisalabad
41	44	28333000	Alum (Double Salt)	Contain 98% as AL 2 (SO4) (3) (NH4)2 SO4. 24H2	Purifies Water	Soluble in water. In alum crystals, 6 waster molecules are held by monovalent ion. 6 water molecules are held by trivalent ion. 12 water molecules are held in the crystal structure. Aqueous solution of alum are acidic due to carionic hydrolysis of trivalent cation. On heating an alum at high temperature the alum swells up in to a porous mass which is called burn alum. Alum acts as coagulants as they are effective in precipitating colloids. Alum have germicide properties. Alum is stable in air.	Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400
42	45	28362000	i) Sodium Carbonate (di-sodium)	Total Alkalinity as (Na_2CO_3)= >=98% Chloride as NaCl= <=0.85% Iron as Fe_2O_3 = <=0.007% Matter Insoluble In Water = <=0.15% Sulphates a Na_2SO_4 = <=0.08%	White Crystalline powder packed in 50Kg or 1000Kg polypropylene bags Pouring Density = 450 to 600 gms / Liter for Light Ash grade and Pouring Density = 950 to 1200 gms / liter for Dense Ash grade	Purity or Total Alkalinity as Na_2CO_3 >=98%	Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000
			ii) Sodium Carbonate (Light)	Name: Soda Ash – Light Grade Specifications: As per Pakistan Standard (PSS 10-1979)	CAS No:497-19-8, EC No: 207-838-8 DETAILS: Chemical Formula: Na2CO3 Appearance: A white granular hygroscopic powder. Bulk Density (g/L): 450 – 600 Boiling Point (°C): Decomposes Melting Point (°C): 854 Flash Point (°C): None pH of a freshly prepared 1% Solution: 11.3	Chemical Properties Soda Ash (Light) DETAILS: Chemical Formula: Na2CO3 Purity as Na2CO3 (%): 98.0 minimum Chloride as NaCl (%): 0.85 maximum Iron as Fe2O3 (%): 0.007 maximum Sulphate as Na2SO4 (%): 0.08 maximum	Olympia Chemicals Ltd., 25-A, Davis Road, Lahore
			iii) Sodium Carbonate (Dense)	Name: Soda Ash – Dense Grade Specifications: As per Pakistan Standard (PSS 10-1979)	CAS No:497-19-8, EC No:207-838-8 DETAILS: Formula: Na2CO3 Appearance: A white granular hygroscopic powder. Bulk Density (g/L): 950 – 1200 Boiling Point (°C): Decomposes Melting Point (°C): 854 Flash Point (°C): None pH of a freshly prepared 1% Solution: 11.3	Chemical Properties Soda Ash (Light) DETAILS: Formula: Na2CO3 Purity as Na2CO3 (%): 98.0 minimum Chloride as NaCl (%): 0.85 maximum Iron as Fe2O3 (%): 0.007 maximum Sulphate as Na2SO4 (%): 0.08 maximum	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
43	46	28363000	Sodium bicarbonate	Purity as $NaHCO_3$ = >=99% Insoluble substance = 1gm in 20ml water gives clear solution pH of 1% solution at 25°C = 8.5	CAS No:144-55-8, EC No: 205-633-8 Description: Refined Sodium Bicarbonate (free flowing white powder) DETAILS: Formula: NaHCO3 Appearance: A white fine crystalline hygroscopic powder. pH of a freshly prepared 5% Solution: 8.6 maximum White granular powder packed in 25Kg Laminated Polypropylene Bags	DETAILS: Assay (%): 99.0 – 100.5 CO3 (%): 0.23% maximum Ammonium NH4: 20.0 mg/kg maximum Arsenic As: 2 mg/kg maximum Calcium Ca: 100 mg/kg maximum Chloride Cl: 150 mg/kg maximum Heavy Metals (as Lead Pb): 5 mg/kg maximum Iron Fe: 20 mg/kg maximum Sulphate SO4: 150 mg/kg maximum	1) Lucky Core Industries Limited (LCI), Soda Ash Business, 63, Mozang Road, Lahore 54000 2) Olympia Chemicals Ltd., 25-A, Davis Road, Lahore
44	47	28365000	Calcium Carbonate/ Precipated Calcium Carbonate (natural, un coated)	(2.5 - 100) microns Top Cut 3 µm-50 µm Natural Calcium Carbonate, grinded & converted into fine powder state	White Powder / Solid Powder form Reactive under acidic condition	$CaCO_3$	1) Shaheen Grinding Mills, 9-KM, Raiwind Road, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Omya Pack (Pvt) Ltd., Kot Radha Kishan Road, Kasur
45	48	28470000	Hydrogen Per Oxide	35%, 50%, 60% w/w Concentration and all other Concentrations	Clear Color Less, odour less liquid. Density 1.13-1.24kg/m3 Mol weight34.01 Kmol/Kg	Viscosity @25oC1-1.11cp, Boiling Point @101.3KPA is 108-120 oC, Melting Point -33 to-62 oC, Heat of Decomposition is 233.1 to 334.7 Kcal/Kg	1) Descon Oxychem Limited., 18-Km, Ferozpure Road, Lahore 2) Sitara Peroxide Limited., 26-Km, Sheikhupura Road, Faisalabad.
46	49	28491000	Calcium Carbide	--	--	--	Sino Pak Electrochemical Industries Ltd., Plot No. DSU-20, Zulfiqarabad, Bin Qasim, Karachi (Pipri)
47	50	29012990	Dissolved Acetylene in cylinders	99.70%	--	--	Ghani Chamical Industries Limited, 10-N, Model Town, Extension, Lahore.
48	51	29049900	i) Reserver Salt ii) Oxydizing Agent (Textile grade)	Drying Agent	White Powder Yellow Powder	Drying Agent	1) S & F Enterprises, Plot No. F-22, Qabail Colony, Block 11, Gulberg Town, F.B. Area, Karachi 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
49	52	29054400	Sorbitol Powder	$C_6H_{14}O_6$	White crystalline powder	1 - PH - 50 - 70 - 4	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi
50	53	29054500	Glycerol (Glycerine), refined	Concentration: 98.5 % min, Specific Gravity: 1.258-1.266 @20°C	Clear water white Liquid	$C_3H_8O_3$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Faisalabad.
51	54	29151100	Acid, formic	85% and above	Transparent Liquid Form	HCOOH 85%	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Faras Combine Marketing Co (Pvt) Ltd., 77 D New Muslim Town Main Wahdat Road Lahore
52	55	29153100	Ethyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
53	56	29153300	N-Butyl Acetate / Sabutol Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
54	57	29153930	Sec-Butyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
55	58	29153940	Mehtyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
56	59	29153990	N-Propyl Acetate / Iso-Butyl Acetate	colourless all 98.5 - 99.5% & Pu grade	Used for packages, Printing inks, Paint dilutants, Thiner & as a Solvent in different industries	All are acetates based on Acetic Acid & relevant alcohols	1) PureChem (Pvt) Ltd., 550-551E, Sundar Industrail State, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
57	60	29157010	Acid, stearic, chemically pure	IV 1.0 ~ 3.0, Acid Value 198 ~ 206, Sponification Value 199 ~ 206, Specific Gravity 0.86, Molecular wt 284.47	Color White, Appearance Small Flakes, Melting point61 ~ 65	$C_{17}H_{35}COOH$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
58	61	29163910	Ibuprofen	- Current pharamacopoial BP/EP, USP Specifications - White or almost white crystalline powder or colorless crystals.	Solid (Powder) (1)Melting Point: 75.0°C — 78.0°C (2) LOD NMT 0.5% (3) Density 1.03 gm/cc	- Propionic Acid Derivative - nonsteroidal anti-inflammatory drug used for relief of symptoms of arthritis, fever, as an analgesic for pain,	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
59	62	29171400	Maleic anhydride	Solidification point: 52.4č Maleic Acid (%): <0.1 Purity By G.C (%Wt): Min. 99.0 Colour (APHA): Max. 15 - 20 Citraconic Acid %: <0.1 Benzoic Acid %: <0.1 Ortho Toulaldhyde %:<0.1	A colorless crystalline needles, flakes, pellets, rods, briquettes, lumps or a fused mass with pungent odour. Chemical Name: 2 – 5 Furandione Molecular formula: $C_4H_2O_3$ Molecular Weight: 98.06 Melting Point: 52.4 °C Boiling Point: 202 °C Thermal Decomposition Temp: > = 200 °C Solubility in water: Soluble in water.	- Moderately toxic white solid chemical. - Reacts vigorously on contact with oxidizing materials and exothermically with water or steam. - Undergoes violent exothermic decomposition reactions, producing carbon dioxide, in the presence of strong bases (sodium hydroxide, potassium hydroxide, calcium hydroxide), alkali metals (lithium, sodium, potassium), aliphatic amines (dimethylamine, trimethylamine), aromatic amines (pyridine, quinoline) at temperatures above 150° C. - The presence of a residue of weak sodium hydroxide solution in a pressure vessel caused maleic anhydride to decompose in a runaway explosive reaction.	Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura
60	63	29173200	Dioctyl Orthophthalates (DOP)	Acid value 0.02%, MC 0.05% Colour 15 APHA	A colorless, odorless, oily liquid mild odour. Slightly less dense than water and insoluble in water. Hence floats on water. Molecular Formula : $C_{24}H_{38}O_4$ Molecular Weight : 390 Melting Point : - 50.0 °C Boiling Point : 384.0 °C Specific Gravity : 0.978 ~ 0.985 at 20 ºC Vapour Pressure : 1.0X10-7 mm Hg at 25 ºC.	It emits acid smoke and irritating fumes on heating. It reacts with acids to liberate heat along with alcohols and acids. Strong oxidizing acids may cause a vigorous reaction that is sufficiently exothermic to ignite the reaction products. Heat is also generated by the interaction with caustic solutions. Flammable hydrogen may be generated by mixing with alkali metals and hydrides. It can generate electrostatic charges by swirling or pouring. It is incompatible with Strong oxidizing agents. DOP is an indirect food additive for use only as a component of adhesives.	1) Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura 2) AHN Colloids Chemicals (Pvt) Ltd., 10-Abbott Road, Lahore 3) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
61	64	29173410	Di-Butyl Phthalate	99.5% Purity	Appearance: clear, color APHA: 30-40, MC%: 0.1, Acid Value (mgKOH/gm): 0.1		Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura
62	65	29173500	Phthalic anhydride (PA)	Solidification point: 130.9 Colour (APHA): 20 Heat Hazen at 250 C (APHA): 40 Purity By G.C (%Wt): Min. 99.85 Benzoic Acid %: 0.05	A colorless to white lustrous solid in the form of needles with a mild distinctive odor. Forms a corrosive solution when mixed with water. Chemical Name :1, 2 Benzene Di Carboxylic Acid Anhydride ($C_8H_4O_3$) Molecular Weight : 148 Melting Point: 131.9 °C Boiling point: 284.5 °C Vapor pressure : 5.17X10-4 mm Hg at 25 ºC Vapor density: 6.6 (Air = 1) Water solubility : 6,000 mg/L at 25 ºC Slightly soluble: in ethyl ether Soluble in Ethanol, acetone, benzene	Hydrolyzes rapidly in the presence of water forming Phthalic Acid. Incompatible with acids, strong oxidizing agents, alcohols, amines, and bases. Reacts with strong oxidants, strong acids, strong bases and reducing agents. Reacts violently with copper oxide and sodium nitrite on heating. This generates explosion hazard. Attacks many metals in the presence of water. Naphthoquinones (byproduct of Naphthalene) reacts with iron salts of phthalic acid & iron sulfides to form fire & explosion. The material is stable at normal conditions even under fire exposure conditions and do not react with water.	Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura
63	66	29173610	Purified Terephthalic Acid	--	White, free flowing crystalline powder	--	Lotte Chemical Pakistan Ltd., Eastern Industrial Zone, EZ/1-P-4, Port Qasim Road, Karachi
New	67	29173990	DOTP (Dioctyl Terephthalate)	DOTP is a plasticizer that can be prepared by esterification of terephthalic acid (PTA) eith 2-Ethyl Hexanol	color: clear or colorless, water solubility: insoluble	SG at 25C: 0.980-0.986 Flash Point: > 225 C Refractive Index: 1.4867 Ester Content: > 99.5% Max. Moisture: 0.1	Quality Flavors (Pvt.) Ltd., 43-A, Madni Chowk, 1-Km, Kattar Bund Road, Thokar Niaz Baig, Lahore.
64	68	29242910	Paracetamol	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Para Aminophenol Derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
65	69	29315999	Booster Agent	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
66	70	29319090	Sequester agent	Textile grade			1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
67	71	29321900	Empagliflozin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Sugur derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
68	72	29333990	Omeprazole (Powder/ Pellets) - Esomeprazole (Powder/ Pellets)	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Benzimidazole Derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
69	73	29334990	i) Moxifloxacin	- current pharamacopoial BP/EP, USP Specifications - Light yellow or yellow, slightly hygroscopic powder or crystals	- Solid (Powder) - Solutbility: Sparingly soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in acetone - Water MAX 4.5% - pH 3.9 – 4.6	- Quinolones derivatives - hydrochloride salt of a fluoroquinolone antibacterial antibiotic. It binds to and inhibits the bacterial enzymes DNA gyrase (topoisomerase II) and topoisomerase IV, resulting in inhibition of DNA replication and repair and cell death in sensitive bacterial species	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			ii) Moxifloxacin HCL	BP & USP Specifications	Light Yellow or Yellow Powder or crystals, slightly hygroscopic.	Active Pharmaceutical Ingredient (API) Solubility sparingly soluble in water, slightly soluble in Ethanol (96%), Practically insoluble in Acetone PH: (3.9-4.6), Water: K/F 4.5 Chemical Formula: C21H25CIFN3O4 Molecular Weight: 437.9	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			iii) Montelukast Sodium	White or almost white, hygroscopic powder	(1)Solutbility Freely soluble in water and in methylene chloride, freely soluble to very soluble in ethanol (2) Water Max 2.0%	Orally bioavailable monosodium salt of montelukast, a selective cysteinyl leukotriene receptor antagonist with anti-inflammatory and bronchodilating activities. Blocks the cysteinyl leukotriene 1 (CysLT1) receptor, preventing binding of the inflammatory mediator leukotriene D4 (LTD4). Inhibition of LTD4 activity results in inhibition of leukotriene-mediated inflammatory events including: migration of eosinophils and neutrophils; adhesion of leukocytes to vascular endothelium, monocyte and neutrophil aggregation; increased airway edema; increased capillary permeability; and bronchoconstriction	
70	74	29335930	Ciprofloxacin Hydrochloride	- Current pharamacopoial BP/EP, USP Specifications - A pale yellow, Crystalline, Hygroscopic powder	'- Solid (Powder) - Soluble in water, slightly soluble in methanol, very slightly soluble in anhydrous ethanol, practically insoluble in acetone, in ethyl acetate and in methylene Chloride - LOD MAX 6.7%, - pH 3.5 – 4.5	Fluoroquinolone derivative, used to treat a wide variety of infections, including infections of bones and joints, endocarditis, gastroenteritis, malignant otitis externa, respiratory tract infections, cellulitis, urinary tract infections, prostatitis, anthrax, and chancroid.	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore 3) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.
71	75	29335990	Cetirizine dihydrochloride	White or almost white powder	(1)Solutbility: Freely soluble in water, practically insoluble in acetone and in methylene chloride (2) LOD MAX 0.5% (3) pH 1.2 – 1.8	A synthetic phenylmethyl-piperazinyl derivative, antihistaminic Cetirizine is a metabolite of hydroxyzine and a selective peripheral histamine H1-receptor antagonist. It is used for symptomatic treatment of seasonal and perennial allergic rhinitis and for chronic urticaria. (NCI04)	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
72	76	29339990	i) Sitagliptin Phosphate	White or almost white powder	(1) Solubility: Soluble in water, very slightly soluble in anhydrous ethanol, practically insoluble in heptane (2) Water: (Limit .3.3 – 3.7%)	Chemical Name: 4-oxo-4-(3-(trifluoromethyl)-5,6-dihydro(1,2,4)triazolo(4,3-a)pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)butan-2-amine Sitagliptin is an oral dipeptidyl peptidase-4 (DPP-4) inhibitor used in conjunction with diet and exercise to improve glycemic control in patients with type 2 diabetes mellitus. The effect of this medication leads to glucose dependent increases in insulin and decreases in glucagon to improve control of blood sugar	Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			ii) Vildagliptin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Sugur derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
73	77	29349910	Furazolidine	Active Pharmaceutical Ingredient (API) & Feed grade	Yellow Powder	--	Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore
74	78	29349990	i) Levofloxacin hemihydrate	- Light yellowish-white or light yellow, crystalline powder - Current pharamacopoial BP/EP, USP Specifications	(1)Solutbility: Sparingly soluble in water, freely soluble 111 acetic acid, sparingly soluble in methanol, slightly soluble 111 anhydrous ethanol. (2) Water 2.0 – 3.0 % (3) Solid (Powder)	- Fluoroquinolone derivative - Levofloxacin is a broad-spectrum, third-generation fluoroquinolone antibiotic and optically active L-isomer of ofloxacin with antibacterial activity. Levofloxacin diffuses through the bacterial cell wall and acts by inhibiting DNA gyrase (bacterial topoisomerase II), an enzyme required for DNA replication, RNA transcription, and repair of bacterial DNA. Inhibition of DNA gyrase activity leads to blockage of bacterial cell growth	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			ii) Sofosbuvir	Manufacturer Specifications	Solid (Powder)	Antiviral	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			iii) Ofloxacin	Pale yellow or bright yellow, crystalline powder.	(1)Solutbility: Slightly soluble in water, soluble in glacial acetic acid, slightly soluble or soluble in methylene chloride, slightly soluble in methanol. (2) LOD MAX 0.2% (3) Optical Rotation: -0.10 to + 0.10	Used to treat a wide variety of infections, including infections of bones and joints, endocarditis, gastroenteritis, malignant otitis externa, respiratory tract infections, cellulitis, urinary tract infections, prostatitis, anthrax, and chancroid.	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
75	79	29359030	Sulfamethoxazole	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder), Almost White Crystalline	Sulfonamide Derivative Solubility: Practically insoluble in water, freely soluble in Acetone, sparingly soluble in Ethanol (96%). Melting Point: 169 °C-172°C LOD: Not more than 0.5 % Assay:99.0 %-101.0 %	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore
76	80	29372200	Betamehasone Valerate	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Glucocorticoid derivative	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
77	81	29394100	Ephedrine Hydrochloride / Ephedrine Sulphate	Active Pharmaceutical Ingredient (API)	White Crystalline Powder	--	Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore
78	82	29394200	Pseudoephedrine Hydrochloride / Pseudoephedrine Sulphate	Active Pharmaceutical Ingredient (API)	White Crystalline Powder	--	Alpha Chemicals (Pvt) Limited, 430-GI, Johar Town Lahore
79	83	29411000	- Amoxycillin Trihydrate - AmpicillinTrihydrate - Cloxacillin Sodium	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Penicillin Derivatives	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.
80	84	29415000	Clarithromycin	current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Macrolide derivatives	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
81	85	29419010	Cephalexin hydrate	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (I-st Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
82	86	29419040	Cephradine	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (I-st Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
83	87	29419060	Cefixime	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	Cephalosporins (III-rd Generation)	1) Pharmagen Ltd., 34-Km Ferozepur Road, Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
84	88	29419090	i) Cefadroxil / Cephradine-L-Arginine Sterile ii) Cefaclor iii) Ceftriaxone Sodium Sterile	Current pharamacopoial BP/EP, USP Specifications	Solid (Powder)	i) Cephalosporins (I-st Generation) ii) Cephalosporins (II-nd Generation) iii) Cephalosporins (III-rd Generation)	Pharmagen Ltd., 34-Km Ferozepur Road, Lahore
86	89	30049092	Paracetamol	White or almost white, crystalline powder.	(1)Melting Point: 168.0°C — 172.0°C (2) LOD NMT 0.5% (3) pH 5.3 – 6.5 at 25°C (4) Density 1.293gm/cc	Paracetamol (p-Hydroxyacetanilide) undergoes usual reaction of Phenols because of the presence of its hydroxyl functional groups. It undergoes reactions such as acetylation, oxidation, reacts with sodium hydroxide and it gives a positive test to iron (iii) chloride test based on the presence of the phenolic group	1) Zenith Chemical Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore 2) Zafa Chemie, Raiwind Manga Bypass, Near Sundar Industrial Estate, Mouza Bhaikot, Tehsil & District Lahore.
87	90	30051010	Surgical Tape (Woven/ Cloth type)	Thickness from 15 microns to 500 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
88	91	30051090	Surgical Tape (Paper / PET / Non Woven Type)	Thickness from 15 microns to 150 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi
89	92	32021000	Synthetic organic tanning substances	Tanning is the process of treating skins and hides of animals to produce leather. The substance used to achieve the desired affect are known as tanning substances.	May be solid or liquid at room temperature	Crosslinking of the protein structure of skin, making it more durable and less susceptible to decomposition.	1) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore
90	93	32029010	Tanning preparations	used to achieve the desired affect are known as tanning substances.	May be solid or liquid at room temperature	Crosslinking of the protein structure of skin, making it more durable and less susceptible to decomposition.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 3) Industrial Chemicals (Pvt.) Ltd. , D-29 SITE, South Avenue, Manghopir Road , Karachi 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore
91	94	32029090	Bates, artificial	In the bating process, proteases are used to remove scud and unwanted proteins. The process also deswells swollen pelts. The result of bating with the use of enzymes is a clean,smooth and soft hide surface.	May be solid or liquid at room temperature	Enzymes	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore
92	95	32041120	Disperse dyes and preparations (Liquid)	Water-insoluble dyes that are used for the dyeing of polyester and acetate fibers. Normally comes with a dispersing agent to disperse them in water.	semi-solid or liquid at room temperature	Water-insoluble dyes	Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
93	96	32041190	Disperse dyes and preparations (Other)	Water-insoluble dyes that are used for the dyeing of polyester and acetate fibers. Normally comes with a dispersing agent to disperse them in water.	May be solid, semi-solid or liquid at room temperature	Water-insoluble dyes	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
94	97	32041200	i) Dyes, acid ii) Acid Dyes for Leather	Water soluble dyes used for the dyeing of silk, wool, nylon and modified acrylics	May be solid, semi-solid or liquid at room temperature	Water soluble dyes	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 3) Sardar Dyes & Chemical Industries, 4) Chemi-Dystuff Industries (Pvt) Ltd., 5) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 6) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad 7) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 8) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 9) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
95	98	32041300	Basic Dyes	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
96	99	32041400	Direct dyes and preparations	Water soluble substantive dyes that have affinity for cellulosic fibres	--	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
97	100	32041510	Indigo Blue	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
98	101	32041600	Reactive dyes and preparations	primarily used for tinting textiles, that attach themselves to their substrates by a chemical reaction by forming a covalent bond between the molecule of dye and that of the fibre.	May be solid or liquid at room temperature	Water soluble organic substances that are attached to the fibers through a dyeing process with the help of certain chemicals	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
99	102	32041710	Pigments and preparations	Pigments are water insoluble and are applied as finely ground solid particles through a liquid matrix. Pigments may be organic.	May be solid, semi-solid or liquid at room temperature	Main organic pigment includes azo pigments and Copper phthalocyanines.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 3) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 4) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad 5) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 6) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 7) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
100	103	32041720	i) Pigments Blue (15:0 & 15:03), Yellow, Reds, Pinks & Oranges	Pigment Dye for Textile Industries	Blue, Yellow, Red, Pink & Orange (odorless Liquid)	Copper Ptha locyn ine Pigment Diazo Pigment	M.N CHEMICAL INDS. (PVT) Ltd., M.N Plaza West Canal Road, Skan College Faisalabad
			ii) Liquid Masterbatch Organic Colors	Liquid Colorants for PU, PVC, W/B & S/B, Paints, Textile printing	Liquid color components viscosity of 900-3500cps	Combination of organic resins, solvents and organic pigments	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804
			iii) Pigments in Liquid form	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
101	104	32041790	Solid Masterbatch Organic Colors	Plastic granulated Colorants for PE, PET, PC, ABS, PS etc., Textile	Solid plastic color component melting range 150-280	Combination of plastic resins, additives and pigments	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804
102	105	32041910	Dyes Sulphur	Textile grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
103	106	32042000	Synthetic organic products of a kind used as fluorescent brightening agents	Optical brighteners, optical brightening agents (OBAs), fluorescent brightening agents (FBAs) or fluorescent whitening agents (FWAs) are chemical compounds that absorb light in the ultraviolet and violet region (usually 340-370 nm) of the electromagnetic spectrum, and re-emit light in the blue region (typically 420-470). These additives are often used to enhance the appearance of fabric and paper, causing a "whitening" effect"; they make intrinsically yellow materials look less so, by compensating the deficit in blue and purple light reflected by the material, with the blue and purple optical emission.	May be solid or liquid at room temperature	--	1) Sardar Dyes & Chemical Industries, 2) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad 3) Chemi-Dystuff Industries (Pvt) Ltd., 4) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore, 5) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 6) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 7) Nimir Resins Ltd., 12-B, New Muslim Town, Lahore 8) S & F Enterprises, Karachi 9) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 10) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 11) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
104	107	32049000	Whitening agent	Textile grade	May be solid, semi-solid or liquid at room temperature	--	1) Sardar Dyes & Chemical Industries, 2) Sandal Dystuffs Industries, 305-308, 2nd Floor, The Business Center, 8/8 New Civil Lines Faisalabad 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 4) Chemi-Dystuff Industries (Pvt) Ltd., D/4, South Avenue, S.I.T.E Karachi-75700 5) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 6) Sardar Chemical Industries, Suit # 9, 2nd Floor, Hafeez Centre, Main Boulevard, Gulberg-III, Lahore 7) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore, 8) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 9) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
105	108	32061900	Pigments and preparations	Textile/Leather grade Preparations containing less then 80% titanium dioxide , include dispersions in plastics, natural rubber, synthetic rubber or plasticizers, used for colouring plastics and rubber etc in the mass.	May be solid, semi-solid or liquid at room temperature	Mainly inorganic pigment based on TiO_2.	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 5) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore
106	109	32062010	Chrome Yellow for oil Paint, Industrial Paints, Master Batches, Artificial Leather, NC Paints, Road Marking and printing Inks	Chrome Yellow Pigments (Inorganic) 99%	Appearance Yellow Colour	PH. Value 5.7 to 7.8 PbCrO4 <86 to < 90% S.P. Gravity 5.6 to 6.1 Heat stability: 180 ºC to 240 ºC Light fastness :6-7 Moisture 0.5% Full strength: 100 +- 5% Particle size: 325 to 450 Mesh	Poplon Pakistan (Pvt.) Ltd., 34-N, Gulberg II, Lahore
107	110	32064290	Masterbatches	Based on Lithopane/ Zinc Sulphide:	Solid form	Dispersion of Lithopane and Zinc Sulphide in polymers	1) Clariant Chemicals Pakistan (Pvt) Ltd. Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore
108	111	32064910	Masterbatches	Master Batches - Solid	Solid form	Organic and inorganic in nature, resistance to solvents, nature is acidic /alkali	1) Clariant Chemicals Pakistan (Pvt) Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770
109	112	32064990	Masterbatches	Master Batches- Liquid	Paste form	Organic and inorganic in nature, resistance to solvents, nature is acidic /alkali	1) Clariant Chemicals Pakistan (Pvt) Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi. 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804 3) Mobil Master Batch Industries (Pvt) Ltd., 92- Main Ravi Road, Lahore 4) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 5) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770
110	113	32081010	Paints and varnishes (including enamels and Nitro cellulose lacquers)	Based on polyesters and Nitro cellulose	Stoving Type	Polyester + Melamine Base	1) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 2) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
111	114	32081090	i) Stoving clear Coats	Polyester based	Clear Coat for Glossy Finish. Clear coat (Baking)	UV resistant, water Resistant & Proctective Clear coat.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 3) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770
			ii) Aluminium Paints	Polyester based	Metal finishing	Metallic effect finishes.	
			iii) Metallic / Pearl basecoat (Baking Paint)	Polyester based (Resins with Alumnium & Mica).	Colored properties with Mica & Aluminium.	To give assorted colors.	
			iv) Stoving enamels	Polyester based	Give color & Protection.	Corossion resistant.	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			v) Stoving Primer/ Intermediate Coat	Polyester based	- For Smooth finish & good adhesion. - Liquid coloured paint with anti-chipping property	- Anti corrosive property. - Mild Acid/Alkali resistant middle coat	
			vi) Solid Colour Topcoat (Baking Paint)	Polyester based	Coloured liquid paint for automotive vehicles	Protection & good appreance.	
			vii) Cathodic Electro-Deposition Primer (CED)	Acrylic based CED paint (Two Component- Baking paint) - F-1 Pigment Paste & F-2 Resin Emulsion	i) Coloured liquid paint ii) Milky liquid emulsion paint	Anti-corrosive paint	
112	115	32082090	i) Plastic Parts Clear Coat	Special synthetic Acrylic Polyol based resin.	Clear Coat for Glossy Finish.	UV resistant, water Resistant.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Clear coat (Baking paint)	Acrylic Melamine based Resin.	Clear Coat for Glossy Finish.	UV resistant & Proctective Clear coat.	
			iii) Stoving clear Coats	Acrylic based	Clear Coat for Glossy Finish. Clear coat (Baking)	UV resistant, water Resistant & Proctective Clear coat.	
			iv) Aluminium Paints	Acrylic based	Metal finishing	Metallic effect finishes, Based on acrylic or vinyl polymers:	
			v) Metallic / Pearl basecoat (Baking Paint)	Acrylic based (Resins with Alumnium & Mica).	Colored properties with Mica & Aluminium. Metal finishing	To give assorted colors. Based on acrylic or vinyl polymers:	
			vi) PU Clears Paints	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Clear Coat for Glossy Finish.	UV resistant, water resistant & good weatherability.	
			vii) Primer / Base Coat for Plastic Parts	Special synthetic Acrylic Polyol based resin.	Pigmented Colored Paint. Pigmented color for Automitive vehicles. Clear Coat for Glossy Finish.	For Smooth surface adhesion & Finish. To give assorted colors. UV resistant, water Resistant.	
			viii) PU Enamels / PU Primers	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Give color & Protection. For Smooth finish & good adhesion.	Protect against weather. UV resistant, water Resistant & good adhssion to the substrate.	
			ix) Intermediate Coat	Acrylic based	- Liquid coloured paint with anti-chipping property	- Mild Acid/Alkali resistant middle coat	
			x) Paints and varnishes (including enamels and lacquers)	Based on acrylic or vinyl polymers:	For Smooth finish & good adhesion.	Stoving & Air drying,	
			xi) Stoving enamels	Acrylic based	Give color & Protection.	Based on acrylic or vinyl polymers:	
New			xii) Paints for shoe-soles and heels		Spray and brush application	Organic & Inorganic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
	116	32089090	Following Paints excludin Recrack 4800FM 21BK02-AVT-PKT-1, SPM 350 1 (Black FW, BLUE MR3, Scarlet HP paste E, Arakyd 251, T-9904A BLACK UDP, BYK All Grades), R-180 NH (167L & 683 L/BYK Different grades), used in auto sector i) Primer Surfacer / Intermediate Coat (Baking Paint)	Polyester/Melamine resin based paint for automotive	Liquid coloured paint with anti-chipping property	Mild Acid/Alkali resistant middle coat	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Stoving clear Coats	Alkyd Melamine Based Resin.	Clear Coat for Glossy Finish. Clear coat (Baking)	UV resistant, water Resistant & Proctective Clear coat.	
			iii) Aluminium Paints	Alkyd Melamine Based Resin.	Metal finishing	Based on varnishes	
			iv) Metallic / Pearl basecoat (Baking Paint)	Alkyd Melamine Based (Resins with Alumnium & Mica).	- Colored properties with Mica & Aluminium. - Metal finishing	- To give assorted colors. - Based on varnishes	
			v) Stoving enamels	Alkyd Melamine Based Resin.	Give color & Protection.	Corossion resistant, Based on varnishes	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			vi) Stoving Primer/ Intermediate Coat	Alkyd Melamine Based Resin.	- For Smooth finish & good adhesion. - Liquid coloured paint with anti-chipping property - Give color & Protection.	- Anti corrosive property. - Mild Acid/Alkali resistant middle coat - Based on varnishes	
			v) Solid Colour Topcoat (Baking Paint)	Alkyd Melamine Based Resin.	Coloured liquid paint for automotive vehicles	Protection & good appreance. Based on varnishes	
			vi) PU Clears Paints	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Clear Coat for Glossy Finish.	UV resistant, water resistant & good weatherability.	
			vii) Primer / Base Coat for Plastic Parts	- Special synthetic Acrylic Polyol based resin. - Based on varnishes	Pigmented Colored Paint.	- For Smooth surface adhesion & Finish. - Based on varnishes / To give assorted colors.	
			viii) PU Enamels/Primers	Polyurethane (PU) Polyol /Acrylic Urethane (AU) Resin based.	Give color & Protection. For Smooth finish & good adhesion.	Protect against weather. UV resistant, water Resistant & good adhssion to the substrate. Based on varnishes	
			ix) Cathodic Electro-Deposition Primer (CED)	Modified Epoxy resin based CED paint (Two Component- Baking paint) - F-1 Pigment Paste & F-2 Resin Emulsion	i) Coloured liquid paint ii) Milky liquid emulsion paint	Anti-corrosive paint	
			x) PU (Polyurethane Resin)	Sp. Gravity : 1.30, Acid Value;, <1 NCO value: 1, Viscosity: 100,000 Cps	Colorless thick Liquid	Reaction Mixture of polyol, pure MDI and additives	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
New			xi) Adhesion-promoters for Shoe-sole attachment and soccer-balls screen printing		Brush application	VOC & low-VOC-Based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
114	117	32091090	i) Road Marking Paint Material	Water Base	PVA Base	Drying Application	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Cathodic Electro-	Acrylic based CED paint	Coloured liquid paint	Anti-corrosive paint	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
115	118	32099090	i) Deposition Primer (CED)	Modified Epoxy resin based CED paint (Two Component- Baking paint) - F-1 Pigment Paste & F-2 Resin Emulsion	ii) Milky liquid emulsion paint	--	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Aerosol Paint	Aerosol paint is a type of paint that comes in a sealed pressurized container. Spray paint leaves a smooth, evenly coated surface.	Colored liquid at room temperature Relative Density @ 15 °C 0.7 – 0.8	Ingredients in aerosol paint can include petroleum distillate solvents, propellent, pigments and corrosion inhibitors	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
New			iii) Paints for shoe soles/heels		Spray and brush application	Organic & Inorganic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
116	119	32100010	Other paints and varnishes (including enamels, lacquers and distempers); prepared water pigments of a kind used for finishing leather.	Distempers	For Smooth finish	Water Base	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
117	120	32100020	Prepared water pigments	For Textile	May be solid, semi-solid or liquid at room temperature	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 3) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi
118	121	32110090	Dryers, prepared	For paints	Liquid	Dryer for Paints	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
119	122	32131000	Water Color Sets/ Poster Color Sets	Semi Liquid Filled in plastic tubes	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi
120	123	32149010	Silicon Sealant	Acetoxy & Neutral Cure Sealants	For use in Construction, Automotive, Solar Panels, Home Appliances, Electronics, Textiles, Glass Processing, Sanitary, and others	Sealant made using, but not solely comprising of, silicone polymer [-Si-O-Si-] backbone	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore
121	124	32151110	Rolling coating printing ink	Rolling coating printing ink	(Fexo, Grevier & Off Set)	Solvent Base Water Base	1) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
122	125	32151190	Black - Flexographic, Rotogravure & Offset Sheet fed Printing inks	Prinitng inks for packaging, lithography	Liquid/Paste	Water based / Solvent Based / Oil Based	1) DIC Pakistan Ltd, Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53805 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
123	126	32151920	Digital printing inks	Prinitng inks for textile application	Liquid/Paste	Water based / Solvent Based	1) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53805 2) MB Dyes Chemical & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
124	127	32151990	Colored - Flexographic, Rotogravure & Offset Sheet fed (lithographic) Printing inks, screen printing inks	Prinitng inks for packaging, lithography, plastic substrates	Liquid/Paste	Water based / Solvent Based / Oil Based	1) DIC Pakistan Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
126	128	32159090	i) Ink	Fountain Pens inks in Bottles, Sachets and Catridges	Colour: Black, Blue, Red, Green, Form: Liquid, Boiling Point (at 760 mmHg): 99°C, PH:5.46~7.85, Specific Gravity: 1.004~1.017gm/cm³, Viscosity at 25°C: 3.3~4.72cps, Surface Tension: 51.813~65.944 dyne/cm		Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700
			ii) Inkjet inks	Solvent based inks for advertisement bill boards, flex printing	Liquid/Paste	Water based / Solvent Based	1) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 2) Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804
127	129	33051000	Hair Shampoo	Designed to protect hair from breakage, drying & damage. Improve moisture retention and elasticity. Suitable for all hair type.	Milky white creamy texture at room temperature. Relative Density @ 25 °C ≥ 0.90	Blend of surface-active materials, salt & moisturizer. It is effective for all types of hair for shining & moisturizing from root to tip.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/ Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura
128	130	33059090	Hair Conditioner	Designed to protect hair from breakage, drying & damage. Improve moisture retention and elasticity. Suitable for all hair type.	Milky white creamy texture at room temperature. Relative Density @ 25 °C ≥ 0.90	Blend of surface-active materials, salt & moisturizer. It is effective for all types of hair for shining & moisturizing from root to tip.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/ Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura
129	131	33072000	Body Sprays / Deodorants	Deodoriser/Perfume for personal care in form of Aerosol spray - 120ml to 250ml	Filled in aluminium cans of various dia (40-65mm) and various heights (110-205mm)	Ethanol/Perfume based in Gas & Non Gas variant	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
130	132	33074900	Air Freshener	Emit fragrance when sprayed or dispersed in air. May be used indoors in residential, commercial, hospitality, medical facilities and public arenas.	Colorless liquid at room temperature Relative Density @ 15 °C 0.60 – 0.80	Ingredients in air fresheners can include fragrances, aerosol propellants, corrosion inhibitors, preservatives, and solvents.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura
131	133	34011100	Soap for Toilets use (including medicated products)	Moisture = 11.0- 19% FFA= % 1.5 max. Sod. Chloride = 0.85 max Na2O % = 0.10 max TFM 74.0 Min	White Soap Noodles	Sodium salt of fatty acids	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Fiasalabad.
132	134	34011990	Hand Sanitizer/ Wetting Agent	W.H.O compliant Instant Sanitizer. Kills most bacteria, fungi and enveloped viruses such as Coronaviruses and influenza. Its strong smelling formula evaporates completely with no rinsing required.	Clear to colorless viscous gel at room temperature. Density @ 25 °C 0.85 - 0.95 g/cm3 pH Conc. @ 25 °C 6 - 8	Blend of alcohol & humectants. Reduces population of bacteria, fungi, and enveloped viruses.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
133	135	34012000	Soap Noodles	Moisture: 11.0-19%, FFA: 1.5% max, Sod. Chloride: 0.85% max, Na2O: 0.10% max, TFM: 74.0 Min	White Soap Noodles	Sodium salt of fatty acids	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod, Bhikhi, Dist. Sheikhupura 3) Sitara Chemical Industries Ltd., 32 Km, Sheikhupura Road, Fiasalabad
134	136	34013000	Hand Wash/Face Wash/Body Wash	It is designed for safe, simple and effective hand hygiene, cleansing of face and body	Creamy/gel liquid at room temperature. Density @ 25 °C 1.00 ± 0.1 g/cm3	Blend of surface-active materials, moisturizer and other chemicals.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
135	137	34023100	Linear Alkyl Benzene Sulphonic Acid	96% & 90%	Liquid	--	Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
136	138	34023900	i) Sodium Lauryl Ether Sulphate ii) Sodium Lauryl Sulphate iii) Wetting Agent (for textiles)	70%	Powder & Paste	--	1) Tufail Chemical Industries Ltd., Progressive Centre, Mezz Floor, 30-A/6, PECHS, Shahrah-e-Faisal, Karachi 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
137	139	34024110	Organic surface Active Agent other than Soap (cationic)	Pharmaceutical Grade			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
138	140	34024190	Levelling Agent	For Textile Industry			1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
139	141	34024200	Non Ionic Surface-active agents	Surfactants are compounds that lower the surface tension (or interfacial tension) between two liquids or between a liquid and a solid. Surfactants may act as detergents, wetting agents, emulsifiers, foaming agents, and dispersants.	May be solid or liquid at room temperature	Surfactants that do have an ionic character	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 4) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
140	142	34024990	Car Shampoo	Car Care Products	Cleaning Agents	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore
141	143	34025000	i) Engine Cleaner	Car Care Products	Cleaning Agents	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore
			ii) Toilet cleaners	Organic surface- active agents (other than soap); surface- active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap,	Thick Liqued Blue color	Acid solution with additive	1) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 2) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
			iii) Glass Cleaner	Designed to give a streak free shine to glass, mirrors and washable surfaces, removes dirt, dust, fingerprints, smudges, lint, grime, bugs and other contamination from glass.	Clear liquid at room temperature. Density @ 25 °C 0.90 - 1.05 g/cm3	Blend of surface-active materials & organic actives suitable for effective cleaning with a streak free shine & fast-drying formula.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
			iv) Roller deglazer and cleaner	Cleaning and rejuvenating paste for lithographic offset inking rollers; removes stubborn deposits on older inking rollers; for use on dismantled rollers; suitable for NBR and EPDM compounds. To be used in sheet fed, web offset heatset printing machines	Yellow to light brown paste at room temperature. Density @ 15 °C 0.95 – 1.05 g/cm3	Cleaning paste for inking rollers. Quickly removes the ink from rubber rollers and blanket. Suitable for conventional ink.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Nimir Industrial Chemical Limited, 14.8 KM/Sheikhupura- Faisalabad Roaod ,Bhikhi,Dist. Sheikhupura
142	144	34029000	i) Surface Active Preparations and cleaning agents	Mainly act as detergents, wetting agents, emulsifiers, foaming agents or dispersants. Surfactants of various nature may be blended for the synergistic effect.	May be solid or liquid at room temperature	May be blend of ingredients containing one or more surfactant. May include auxiliaries to boost the performance of the formulation.	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) S & F Enterprises, Plot No. F-22, Qabail Colony, Block 11, Gulberg Town, F.B. Area Karachi 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Glass cleaners / Floor Cleaner	Organic surface- active agents (other than soap); surface- active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap,	Liqued blue color solution of cleaning additives. Milky Liqued	additives solution in water and alcohal. Solution of Pine oil , disinfectant and additives in Water.	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
143	145	34031110	Preparation	Preparations are intended to prepare leather and give it dersirable properties.	--	--	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi 3) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi
144	146	34031910	i) Silicone Grease	Greases	For lubricating and preserving rubber parts	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Grease	ASTMD 217, ASTMD 2265, ASTMD 2270, ASTMD 942, ASTMD 1743, ASTMD 2509, ASTMD 2596, Visual= Color, Visual= Appearance	NLGI=0,1,2,3 Used for Lubrication of Automotive & industrial Bearings, Bushing & slides.	Lithium Soap Contaning Lithium Hydro Oxide &12 Hydroxyls Steric Acid Or Hydrogenated Castor Oil & Base Oil	Guard Friction (Pvt) Ltd., 8th KM Raiwand Road Lahore.
145	147	34039110	Preparation	Fat Liquor	Mainly liquid at room temperature	Reduce friction and enhance smoothness/ slippage property.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 3) Chemical Process Ind. (Pvt) Ltd., 103-Habitat, Shadman-II, Jail Road Lahore 4) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
New	148	34039910	Mould-Release Agents for shoe-soles de-moulding		spray application	wax & oil-based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
New	149	34049090	Waxes	Textile Grade			Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
146	150	34059000	i. Car Wax Protectant	Car Care Products	Wax & Polish for Cars & Motorbikes	--	Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore
New			ii. Shoe Finishing Agents		sponge application	wax-based	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
147	151	35051090	Dextrene and other modified starch (Preparations)	For Textile Industry			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
148	152	35061000	Adhesive Glue	PVA Base Glue Water & Solvent Based	White, Transparent or any colour	Adhesive	1) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 2) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 3) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore
149	153	35069110	Hot Melt Adhesive	SU-600 SU-900	White Pellets & Light Yellow Pellets	Viscosity Thermosel, Temperature 170 C, 160 C Average (cps) 3500	1) Pak Daehan, H. No. 29, Bhagat Pura Hussain Bakhsh Park New Shad Bagh, Lahore 2) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
150	154	35069190	Hot Melt Adhesive (Exluding Adhesive A or B, CM high-intensity Glue A Glue B (Insulating Mat.), Terminal Adhesive, Screw Locking Agent and other Auto grade)	SU-600 SU-900	White Pellets & Light Yellow Pellets	Viscosity Thermosel, Temperature 170 C, 160 C Average (cps) 3500	1) Pak Daehan, H. No. 29, Bhagat Pura Hussain Bakhsh Park New Shad Bagh, Lahore 2) Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
151	155	35069990	Pressure Sensitive Adhesive Glue excluding Penguin Cement # 321	Water & Solvent Based	Transparent or any colour	Adhesive	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi
152	156	35079000	Enzymes	Textile grade	-	-	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
153	157	36020000	Prepared Explosive: (Super Balster, Balster, Super Breaker, Seismic, eplosive, Pre-Splitter	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad
154	158	36031000	Safety Fuse	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad
155	159	36032000	Detonators: (Plain, Electric, Seismic Electric, Milli Second Delay Electric, Half Second Delay Electric / Non Electric, Milli Second Delay Non Electric Detonator)	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad
156	160	36033000	Two Way Delays Relays	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
157	161	36034000	Detonating Cord	-	-	-	Biafo Industries Ltd., 1st Floor Biafo House, Plot No. 23, St No. 38-40, I&T Centre, G-10/4, Islamabad
158	162	37013020	CTP/CTCP Printing plates	Aluminum Plates Lithographic	H18, H19, A1050, A1052	Si 0.037,Mn0.007, Cu 0.003 Fe0.30, Mg0.001, Zn 0.007, Al 99.56.	DuTech (Pvt) Limited, Plot No.18, Sector No. 28, Korangi Industrial Area, Karachi
159	163	37013030	Presensitized printing plates	Aluminum Plates Lithographic Thickness ranging from 0.15mm to 0.30mm. Packing in Corrugated cartons	Thickness 0.15mm: 450mm x 370mm (100 Plates); 500mm x 370mm (100 Plates); 510mm x 400mm (100 Plates); 900mm x 715mm (50 Plates) Thickness 0.20mm: 645mm x 510mm; 745mm x 585mm; 760mm x 603mm; 840mm x 603mm; 840mm x 625mm (all in 50 Plates). Thickness 0.24mm: 650mm x 550mm (50 Plates); 724mm x 615mm (50 Plates); 745mm x 585mm (50 Plates); 745mm x 605mm (50 Plates); 914mm x 625mm (30 Plates); 915mm x 715mm (30 Plates) Thickness 0.30mm: 840mm x 586mm (30 Plates); 890mm x 586mm (30 Plates); 914mm x 585mm (30 Plates); 914mm x 625mm (30 Plates); 915mm x 715mm (30 Plates); 925mm x 625mm (30 Plates); 925mm x 715mm (30 Plates); 975mm x 755mm (30 Plates); 1030mm x 770mm (20 Plates); 1030mm x 820mm (20 Plates); 1270mm x 1030mm (20 Plates)	Si 0.037,Mn0.007, Cu 0.003 Fe0.30,Mg0.001,Zn 0.007, Al 99.56.	DuTech (Pvt) Limited, Plot No.18, Sector No. 28, Korangi Industrial Area, Karachi
160	164	38062000	Sodium Resinates	pH 9 -12	Dark Brown Paste	Sodium Resinate	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore
161	165	38069000	Thermoplastic Road Marking Paint Material	Solvent Base	Theromoplastic Resin Base	Hotmelt Road Marking Paint	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
162	166	38089110	i) Insecticides	Insect killer for flying & crawling types of insects in aerosol spray - 300 - 600ml	Filled in tin cans of various dia (52-65mm) and various heights (170-320mm)	Active insecticide ingredients/Solvent and gas based	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
			ii) Aerosol Contact Insecticide/ Household Insecticide	Insecticide Aerosols are meant to kill flying and crawling insects when sprayed or dispersed in air.	Colorless liquid at room temperature Relative Density @ 15 °C 0.60 – 0.80	Mixtures of petroleum distillate solvents, corrosion inhibitors, insecticide actives & propellants. Contains actives that kill insects.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
163	167	38089400	i) Hand Sanitizers & Disinfectant Spray ii) Multi-Surface Cleaner & Disinfectant	Hand & skin care germicide disinfectant in aerosol spray - 50ml - 300ml Cleaning agent for all hard washable surfaces with protection of Home & office from invasive viruses & germs.	Filled in aluminium/tin cans of various dia (35-53mm) and various heights (88-240mm), Clear to variant colors liquid at room temperature. Density @ 25 °C 0.95 - 1.10 g/cm3	Ethanol/Germicides/Vitamins and gas based, Alcohal Based, Aqueous blend of surface-active materials & anti-bacterial agents suitable for cleaning & disinfecting hard surfaces.	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 3) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
164	168	38099110	Printing gum	Main use is in printing applications where gums are used to increase the medium viscosity enabling localized coloration.	May be solid or liquid at room temperature	Food grade Non-toxic Non-corrosive Chemical resistant	1) ASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 4) Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000 5) Universal Chemicals, B-45, Estate Avenue, S.I.T.E, Karachi 6) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd. Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
165	169	38099190	Dyeing Auxiliaries and Finishing Agents	Dyeing and Finishing agents are used to impart desired effect on textiles. Use of agents facilitate the dyeing and finishing of the fabrics.	May be solid or liquid at room temperature	Improve the performance of the dyeing process and imparts desirable aesthetic to the treated fabric.	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 4900 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 5) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
166	170	38099200	Paper Chemicals (Surface Sizing Agent)/Finishing Agents	15 - 20% NVM, Sizing agent for various types of papers i.e. packaging paper, white board coated paper and food packaging etc. Finishing agents (dye-carriers) for textile and paper industry	White Thin Emulsion Light / Dark Brown liquid	AKD Emulsion/ Cationic Styrene Acrylic emulsion	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
167	171	38099300	Finishing agents	Finishing agents are used to impart desired effect on textiles. Use of agents facilitate finishing of the fabrics.	May be solid or liquid at room temperature	Imparts desirable aesthetic to the treated fabric.	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Archroma Pakistan Ltd. 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) Gulf Chemicals ((Pvt) Limited, Plot No. 80, Sector 7-A, Korangi Industrial Area, Karachi 4) Intra-Keck (Pvt) Ltd., 112/2, Q.I.E., Kot Lakhpat, Lahore-54770
168	172	38123900	PVC Liquid Stabilizer - Barium Cadmium zinc - Barium Zinc - Potassium Zinc Kicker	Sp. Gravity : 9.5, Acid Value;, <1	Yellowish Liquid	Metal Salts of Barium, Cadium, potassium, and zinc	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
169	173	38140000	Organic Composite Solvents and Thinners excluding Recrack 5975	Organic Hydrocarbon Compound.	Dilution & smooth application.	Rehology control & adjustment of the Paint according to various enviornment.	1) Kaizen Paint (Pvt) Ltd., 139-CCA, Sector DD, Phase IV, Defence Housing Authority, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 3) Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
170	174	38159000	Catalyst	Sp. Gravity : 1.10, Acid Value;, <1 OH value: 216, Viscosity: 100 Cps	Slightly Yellowish Liquid	Mixture of Amine and short chain glycol	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
171	175	38160000	Refractory cements, mortars, concretes and similar compositions, other than products of heading 38.01.	Tap Hole Repair Mass & Mastic Tubes	Tap Hole Repair Mass: Specific Gravity:3.0 min Cold Crushing Strength (kg/cm2):250 min Grain Size:0 - 3 mm Bulk density (Kg/dm3): 2.70 min Mastic Tubes: LOI(%):45 max Maximum Grain Size:(-) 60 BS Mesh	Tap Hole Repair Mass: MgO(%) :91 min, Al_2O_3(%):0.8 max, Fe_2O_3(%):1.8 max, CaO(%) :2.5 max, SiO_2(%):4.5 max Mastic Tubes: C(%): 25 min, Al_2O_3(%):30 min, SiC (%): 03 min, SiO_2(%): 15 max $K_2O + Na_2O$(%):0.2 max	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi
172	176	38231100	Acid, stearic	IV 1.0 ~ 3.0, Melting point 61 ~ 65, Specific Gravity 0.86	Small Flakes, colour: White	$C_{17}H_{35}COOH$	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi 3) Sitara Chemical Industries (Pvt.) Ltd., 32 Km, Sheikhupura Road, Faisalabad.
173	177	38231910	Acid oils for refining	Palm fatty acid distillate (PFAD)	Colour 5 ~ 6, -1, Melting point48 ~ 52	Acid Value 190 Min.	Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi
174	178	38231930	Acid oils for refining	Fatty Acid Distilled (FAD) 92% to 99%, IV 30 ~ 55	Colour 5 ~ 6, -1, Melting point 45 ~ 58	Acid Value 190 Min.	1) Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore. 2) Gamalux Oleochemicals (Pvt.) Ltd. A-8, NWIZ, Port Qasim Industrial Area, Bin Qasim, Karachi
175	179	38231990	Distilled Fatty Acid	Acid Value: 200-215, Iodine Value: 38-44, Melting Point: 50±2, Saponification Value = 200-216.	White solid material	Distilled fatty acid blend	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.
176	180	38244000	Concrete Curing Compound	Concrete curing compound are suitable for spray application to freshly poured concrete. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development.	Milky liquid at room temperature. Density @ 25 °C 0.95 - 1.05 g/cm3	Synergistic mixture of aqueous wax emulsion & surface-active materials. It is recommended on freshly poured concrete surfaces for high curing efficiency.	Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi.
177	181	38246000	Sorbitol Solution	$C_6H_{14}O_6$	A Clear Viscouse Syrup having sweet taste	H - 5.0 - 7.0, Brix - 66 - 68, Ash - 0.1%	Habib Rice Products Ltd., 2nd Floor, UBL Building, I.I. Chundrigar Road, Karachi
178	182	38249950	Correction Pen	With liquid ink	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi
179	183	38249993	Coated or Precipated Coated or Treated Calcium Carbonate	Top Cut 3 µm-50 µm	Fine Powder	$CACO_3$	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Omya Pack (Pvt) Ltd., Kot Radha Kishan Road, Kasur
New	184	39249980	Chlorinated Paraffin Wax	Chlorinated paraffin is an odorless, non-toxic, flame retardant and low-volatility viscous liquid with low volatility, good electrical insulation, insoluble in water, ethanol, ethylene glycol and glycerin, soluble in aliphatic hydrocarbons, aromatic hydrocarbons and chlorine.	Chlorinated Paraffin Wax is toxic and varies from pale yellow viscous liquid to soft or brittle resinous solid depending upon the chorine contents (28 to 60-70%)	$C_{24}H_{30}Cl_{20}C_{15}H_{14}Cl_{18}$	Nimir Industrial Chemicals Ltd., 14.8 KM, Sheikhupura Faisalabad Road, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New	185	38249999	i. Hardeners for for adhesives for shoe-sole attachment ii. Hardeners for for adhesives for soccer-balls-panels attachment iii. Hardeners for inks for shoe-instocks screen-printing		--	--	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
180	186	38249999	i) Antifoaming Agent/Defoamer	A mineral oil based defoamer for aqueous systems. It is typically applied in aqueous coating systems, wood stains, varnishes, printing inks, textile & adhesive	Opaque white to pale yellow liquid at room temperature. Density @ 25 ℃ 0.85 – 0.95 g/cm3	Synergistic mixture of mineral oil and surface-active materials to accelerate the defoaming efficiency.	1) Mijokum (Pvt) Ltd., F-48 & F-52, Sector 50-C, Korangi, Karachi. 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
	187	38249999	ii) Filler Masterbatch	Mineral filler e.g. $CaCO_3$ based plastic granulated material	Solid plastic color component melting range 150-280	Combination of plastic resins, additives and mineral fillers	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804
181	188	39012000	HDPE Fittings Butt Fusion type	63mm to 315mm Dia Piping	- Strong - Light weight - Easy jointing - Durable	Food grade Non-toxic Non-corrosive Chemical resistant	New Tech, Tarnol Industrial Area, Off. G.T. Road, Sector D-15, Islamabad
182	189	39031100	Polystyrene expansible, in primary forms	(i) Plastic foaming grade (ii) Plastic moulding grade (iii) Plastic extrusion grade	Resins and Granules	Polymer	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030
183	190	39031910	General purpose polystyrene (GPPS)	(i) Plastic moulding grade (ii) Plastic extrusion grade	Resins and Granules	Polymer	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030
184	191	39031920	High Impact Polystyrene (HIPS)	(i) Plastic moulding grade (ii) Plastic extrusion grade	Resins and Granules	- Polymer with more than 95% styrene - Co polymer with less than 95% styrene	Pak Petrochemical Industries (Pvt) Ltd., Polymer House, Survey No. 136, 25th km, on Main National Highway, Karachi-75030
185	192	39032000	Styrenated Acrylic	Stryenated Acrylic Emulsion , used for a wide range of products like paint, coatings etc	Liqued at room temperature	Acrylate polymers upon drying form films that yield desired properties on the substrate	Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
186	193	39039010	Styrene Acrylic Emulsion	49 - 51 % NVM in Water	Milky white thick liquid	Styrene Acrylic binder for emulsion paints, Opacifying agent, Mortor Modifier & Textile printing binder.	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore
187	194	39041090	Poly Vinyl Chloride (PVC) Resin excluding PMC CY6712-40G Natural (Phenol) / CY3312-30G used in auto sector	Suspension	Appearance Color White Volatile Matter 0.4% wt max Particle size 40 mesh pass 100% wt min Particle Size 270 mesh pass 3% wt max	Polyvinyle Chloride , C_2H_3Cl, is an inert material, it does not react with most chemicals and solvents. Resistant to Acids, bases, slats and most solvents. Partially soluble in acetone.	Engro Polymer & Chemicals Limited, 16th Floor, The Harbor Front Building, HC # 3, Marine Drive, Block-4, Clifton, Karachi
188	195	39042200	PVC not mixed with other substances, plasticised PVC Compound (Plasticized)	(PVC Compound) International /National Standard (Cable Grade only)/ BSS 7655	Granules	$C_2H_3C_1$	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Atlas Rubber & Plastic Industries, 9th Floor, Textile Plaza, Mumtaz Hassan Road Karachi – 74000 3) Bismillah Plastic Works, Sohail Manzil, Street No. 30 Sector "F" Allama Iqbal Road, Manzoor Colony Karachi 4) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 5) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi
189	196	39051200	Vinyl Acetate Copolymers	Vinyl acetate-acrylic copolymers, emulsion products that are used for a wide range of applications including paints, bond coats, binders, pigmented paper coatings, textiles, and nonwovens	Liquid at room temperature	Crosslink to form film that imparts desirable properties to the treated surface.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 4) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
190	197	39052100	Polyvinyl acetate	Polyvinyl acetate polymers, emulsion products that are used for a wide range of applications including paints, bond coats, binders, pigmented paper coatings, textiles, and nonwovens	Liquid at room temperature	Crosslink to form film that imparts desirable properties to the treated surface.	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 3) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 4) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 5) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
191	198	39053000	Polyvinyl Alcohol	For paint and wood furniture industry			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
192	199	39059990	Glue/Adhesives/Binders	For paint, wood furniture and paper industry (Pigment thickener)	Paste form	Used by different industries	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
193	200	39069030	Pigment thickener	Pigment thickener	--	--	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 4) Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000 5) T & N Chemical, 12.5 KM Sitara Road, Faisalabad 6) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
194	201	39069040	Dispersing Agent	20-45 % NVM	Light yellow to yellow clear liquid	Polyacrylate and Styrene/Maleic anhydride based	1) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
195	202	39069090	i) Acrylic polymers	Belong to a group of polymers based on acrylic acid, methacrylic and their esters. They are noted for their transparency, resistance to breakage, and elasticity. They are also commonly known as acrylics or polyacrylates.	Mainly liquid at room temperature. However, can be produced in solid form	form films upon drying that yield desired properties on the substrate	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahoree 3) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S Karachi – 75400 4) Sandal Dyestuff Industries Ltd., 4 KM Chak Jhumra Sangla Hill Road, Faisalabad 5) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 6) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 7) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
			ii) Acrylic Resins (2 Component Resins)	50 - 70% NVM in aromatic solvents	Clear Colourless thick Liquid	Thermoset, Thermoplastic & Acrlic Polyol for 2-k Coatings	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
			iii) Acrylic Emulsions	49 - 51 % NVM in Water	Milky white thick liquid	Acrylic binder for emulsion paints	
196	203	39073000	Following Expoxy Resins excluding ER A or B, ER 1007/YD 017/DER 667-20 /FAD 3010/FAD 9700/NP AHM 300, ER.1004 /YD 014/ EPIKOT 1004/ DER 664-20 /FAD 3010/FAD 9700 EPOXY RD-2269C / Powenic Additive FAD 4150 /FAD 3010/FAD 9700 /FAD 3010 /FAD 9700, used in auto sector i) Epoxide in primary forms	Electrostatic Coating Powder	--	--	1) Oxyplast Pakistan (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi. 2) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 3) Jotun Powder Coatings Pakistan (Pvt) Ltd., 2 KM Defence Road, Off 9 KM Raiwind Road,Adj. Valancia Homes Gate, Lahore 4) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
			ii) Fusion Bonded Epoxy (FBE)	Jotapipe & Corro-Coat (Anti-Corrosion Coating for Piping)	1350-1500G/L >0.5% Moisture Contents Hardness Avg. 85 (ASTM. STD)	Polarized Cracking Pass Impact resistance >1.5J	
			iii) Epoxy Resin ER-12P, ER-20P	Solid Epoxy Resin	Granular Solid	Epoxide	Premier Coating Resin (Pvt) Ltd.; C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi
			iv) Epoxy Resin ER-128, ER-20x75	Liquid Epoxy Resin	Liquid	Epoxide	Premier Coating Resin (Pvt) Ltd.; C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi
197	204	39075000	Resins, alkyd, in primary forms	Viscocity 3-1000 poises Acid Value less than 12	Colour Max 10GH	Esters	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Nimir Chemicals Pakistan Ltd., 14.8 Km, Sheikhupura-Faisalabad Road, Mouza Ghikki Distt. Sheikhupura 3) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
198	205	39076110	Polyethylene terephthalate in primary (Having a viscosity number of 78 ml/g or higher)	Polyester Chips - Yarn and Film grade	Yarn and Film Grade	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530
199	206	39076120	Polyethylene terephthalate in primary (Having a viscosity number of 78 ml/g or higher)	Polyester Chips - Bottle grade (Pet Resin)	Bottle grade (Pet Resin)	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530
200	207	39076910	Other Yarn and Film Grade (Having a viscosity number of 78 ml/g or higher)	Polyester Chips Yarn and Film Grade	Yarn And Film Grade	Polyester Resin made from PTA & MEG with I.V. 0.6 to 0.68 in Amorphous form capable of being upgraded to PET Bottle Grade.	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore
201	208	39076920	Other Bottle Grade (having a viscosity number of 78 ml/g or lower)	Polyester Chips - Bottle grade (Pet Resin)	Bottle grade (Pet Resin)	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530
202	209	39076990	Other (having a viscosity number of 78 ml/g or lower)	Polyester Chips Amorphous	Plastic Resin in Granules	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore
203	210	39079100	Polyesters, unsaturated, in primary forms	60 - 70 % NVM in Monomers	Clear & Hazy Yellow Thick Liquid	Thermoset Unsaturated Polyester Resins	1) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 2) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
204	211	39079900	Following items excluding PMC CRASTIN CE2255 BK580 Polyester Resin, Thermoplastic Polyester Elastomer/ RESIN TORAYCON used in auto sector i) Powder Coating Pure Polyester	Corro-Coat PE (Exterior Polyester Powder Coating	Film Hardness >70 (EN ISO 2815) 100% Adhesion	Exceed 5mm without Film Cracking Salt Spray Resistance Excellent	1) Jotun Powder Coatings Pakistan (Pvt) Ltd., 2 KM Defence Road, Off 9 KM Raiwind Road,Adj. Valancia Homes Gate, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore. 3) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore
			ii) Epoxy Polyester Hybrid	Corro-Coat MX (Interior Hybrid Powder Coating	Film Hardness >80 (EN ISO 2815) 100% Adhesion	Exceed 60 Inch Pounds without film cracking Salt Spray Resistance Excellent	
			iii) PE – F Polyester Facade	Corro-Coat PE-F (Exterior Durable Polyester Powder Coating	Film Hardness >80 (EN ISO 2815) 100% Adhesion	2.5 Nm without film cracking	
			iv) Polyol (Polyurethane Pre-Polymer for PU Sole)	Sp. Gravity : 1.18, Acid Value;, <1 OH value: 80, Viscosity: 1000 Cps	Slightly Yellowish Liquid	Adipate of Dicarboxic acid	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
			v) Polyester Resin (50:50, 70:30, 93:07, 60:40, 80:20, 90:10)	Saturated Polyester Resin	Granular Solid	Carboxlated Terminated	Premier Coating Resin (Pvt) Ltd. C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi
205	212	39089000	i) Polyamide Resin (H-140, H-115, H-125) ii) Wet Strength Resin (WSR)	Liquid Hardener for Epoxy	Liquid	Amine	1) Premier Coating Resin (Pvt) Ltd. C-42, SITE Super Highway Industrial Area Scheme # 33, Karachi 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
206	213	39091090	Urea Formaldehyde Resin	58-62 % NVM	Water white thick liquid	Butylated Urea formaldehyde resin in solution form	Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore
207	214	39092000	Resins , melamine, in primary forms	Viscosity 75 Poises Acid Value less than 2	Colour Water White	Amino	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) Berger Paints Pakistan Limited, 28- Km Multan Road, Lahore.
208	215	39094000	Phenolic Formaldehyde Resin	69-71 % NVM	Reddish thick liquid	Phenol formaldehyde resin in solution form	1) Nimir Resins Ltd., 14.5 KM, Lahore - Sheikhupura Road, Lahore 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
209	216	39095000	i) Isocynate (Polyurethane Pre-Polymer for PU Sole)	Sp. Gravity : 1.15, Acid Value;, <1 NCO value: 23, Viscosity: 400 Cps	Slightly Yellowish Liquid	Oligimers of polyol, pure MDI and Modified MDI	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K 3) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New			ii) PUR (Polyurethane Resin) for shoe sole polyster polyol TPU (Thermoplastic Polyurethane) Polyster Ployol for flexible laminating adhasive / coating	Polyester Polylol for shoe sole acid value less then 1 TPU foe shoe adhasive OH 38-42 Polyester Ployol for flexible laminating adhasive / coating having OH 184-234	Its 2K system the counter part is premoler based on TDI/MDI	Used foe shoe sole for shoe adhasive for packages industries	MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
210	217	39100000	Antifoam Silicon Base	10 - 20 % NVM in Water	Milky white thick liquid	Defoamer Silicon base	1) Nimir Resins Ltd., 14.5 KM, Sheikhupura Road, Lahore 2) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 3) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K. 4) Rudolf Pakistan (Pvt.) Ltd., 358-Sundar Industrial Estate, Raiwind Road, Lahore.
211	218	39119000	Fixing Agent	For Textile			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
212	219	39122090	Nitrocellulose in primary forms	Used in leather industry to impart special finish	Mainly liquid at room temperature.	Based on Nitrocellulose	1) Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900 2) BASF Pakistan (Pvt.) Ltd., 46-A, Block – 6, P.E.C.H.S, Karachi – 75400 3) SRC (Pvt) LTD, 3-KM Bulhar Road, off 22-km Ferozpur Road, Rohi Nala, Lahore 4) MB Dyes Chemicals & Silk Industry (Pvt.) Ltd., Gadoon Fac. 320/2, Gadoon Amazai Industrial Estate, Swabi, K.P.K
New	220	39123100	Sizing Agent	For Textiles			Archroma Pakistan Ltd., 1-A/1, Sector 20, Korangi Industrial Area, Karachi – 74900
213	221	39172100	i) Tubes, Pipes & Hoses, Rigid of Polymers of Ethylene	ISO4437 ISO 4427 DIN 8074 ASTM 2513	Dial 20mm to 630mm and ¾" to 12" Length of coils as per customer requirement or straight lengths upto 40 feet	Ethylene	1) Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi 2) Sun International Co. (Pvt) Ltd., 62 CMA Colony Street #4, Lahore Cantt. Lahore 3) Premier Cables (Pvt) Ltd. , 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			ii) PE Gas/Water Pipe Fittings	SNGPL Spec, ASTM-2513, ASTM-D-2683 SSGC Spec. ISO-4437 ISO-8085 EN-1555	Dia: 3/4 inch to 6 inch Length: 12 inch to 36 inch PE Spec: PE-80/100 Steel Spec: ASTM & API 5L Dia: 20mm to 180mm Length: 12 inch to 36 inch PE Spec: PE-80/100 Steel Spec: ASTM & API 5L	Melt Flow 0.8 gm/10mn, Density >0.940 to 0.947 to gm/cm^3 Melt Flow 1.55 gm/10mn, Density >0.940 to 0.955 to gm/cm^3	1) Mechfit Industries, 124-IV, E-Block Model Town, Lahore 2) Swabis Polyplast, A-496, St No. 9, Block "N", North Nazimabad Karachi 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			iii) Blow Moulded Cans/ Jars	HDPE Material	0.25, 0.5 and 1 litre sizes	Density 942	
			iv) High Density/Medium Density Polyethylene (HDPE/MDPE) pipes	12 mm to 1600 mm diameter 1.8 mm to 103.7 mm	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
New			v) HDPE water pipes	HDPE water pipes Dia: (6mm to 500 mm)	As per ISO4427, DIN8074/8075 specifications	As per ISO4427, DIN8074/8075 specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore
New			vi) MDPE gas pipes	MDPE gas pipes Dia: (20 to 250 mm)	As per ISO4437, ASTM-D2513 specifications	As per ISO4437, ASTM-D2513 specifications	
New			vii) HDPE Cable Duct Pipes	HDPE cable duct pipes Dia: (16 mm to 250 mm)	As per ASTM F-2160 specifications	As per ASTM F-2160 specifications	
214	222	39172200	i) Hoses, polypropylene, rigid	Din 8077	Diameter 20mm to 110mm	--	1) Sun International Co. (Pvt) Ltd., 62 CMA Colony Street #4, Lahore Cantt. Lahore 2) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			ii) Poly propylene random co-polymer (PPRC) Pipes for Hot and Cold/Chilled water	20 mm to 630 mm diameter 2.8mm to 35.7 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
			iii) PPF Water Filter Cartridge 10' S, 20' S, 30' S, 40' S, 20' Jumbo	PP	Melt Folw 23% Density 0.9	PP TANSEE	International Caps Company, F-202, Phase II, SITE II, Super High Way, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New			iv) PPRC Pipes & Fittings	PPRC pipe & fittings Dia: (20 to 110 mm)	As per DIN 8077/8078 specifications	As per DIN 8077/8078 specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore
215	223	39172390	Glass resinforced Polyester (GRP) Pipe	Pipe Size Range 300 mm to DN 2000 mm	--	--	Hi-Tech Pipe & Engineering Industries (Pvt) Ltd., Plot # X-22, Extension Area, S.ITE, Kotri, Sindh
216	224	39172900	i) Glass Reinforced Epoxy (GRE) Pipes	20 ft. upto: 18" dia (Pipe Size Range 300 mm to DN 2000 mm) For Tube Well Pipes etc.	Food Grade & other grades	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Hi-Tech Pipe & Engineering Industries (Pvt) Ltd., Plot # X-22, Extension Area, S.ITE, Kotri, Sindh
			ii) Fiber Reinforced Polyester (Fiberglass) Ladder	Straight Ladder up to 16 ft Extendable Ladder ranging from 10ft to 70 ft, A-Frame Ladder with light, medium & heavy duty	As per standard	As per standard	1) Creative Engineering (Pvt) Ltd. , 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
217	225	39174000	i) Fittings, plastic/ PPRC	Joints, elbows, flanges etc. ASTM 2513	As per API 5LB for steel As per ASTM 2513 for Polyethylene	As per API 5LB for steel As per ASTM 2513 for Polyethylene	1) Swabis Polyplast, A-496, St No. 9, Block "N", North Nazimabad Karachi 2) International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
New			ii) Natural Gas Pipe Fittings	SNGPL Spec, ASTM-2513, ASTM-D-2683 & ASTM-D-3261	MDPE Material, Operating Pressure 60 psig, Sizes: 3/4", 1-1/4", 2", 4"	Resistant to Natural Gas, Melt Flow 0.8 gm/10 min, Density 0.940	Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore.
218	226	39181000	Polyvinyl Chloride floor covering	PVC Flooring	--	--	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore
219	227	39191010	Double Sided Tape	Foam type: Thickness 200 to 1200 microns PET Type: Thickness 15 to 500 microns	White colour or with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
220	228	39191020	PVC Electric Insulation Tape - Width not exceeding 20 cm - (Retail Packing)	Thickness from 15 microns to 200 microns	Black, red, yellow, blue & white colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
221	229	39191030	Stationery Tape	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
222	230	39191090	i) Detectable Underground Tape	LDPE Sheet with Aluminium foil	Thickness 4-7 mils, Elongation 80%, Tensile 20 lb/ inch	Al thinkness 0.3 mils	1) Mechfit Industries, 124-IV, E-Block Model Town, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
			ii) Sef Adhesive Tape	Thickness from 15 microns to 80 microns	Transparent/ with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 3) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi
New	231	39191090	iii) Self Adhesive BOPP Tape in rolls of width not exceeding 20 cm	34 micron to 60 micron	12 colors	water, acrylic, glue, and BOPP film	1) A. J. Containers (Pvt.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 2) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi. 3) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 4) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi
223	232	39199010	Self Adhesive (Transparent/ BOPP/OPP) Tape	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New	233	39199020	PVC Insulation Tape	180 micron, in Log rolls	multiple colors	Natural rubber, based adhesive and PVC film	1) A. J. Containers (Pvt.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 3) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi. 4) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 5) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 6) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi
224	234	39199090	i) Self Adhesive BOPP/OPP Tape - Width exceeding 20cm-Log Rolls excluding Self Adhesive PVC Sheet, Roll Size: 1.0x250.0 used in auto sector	Thickness from 15 microns to 80 microns	Transparent / with any colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 3) Universal Coating Films Company (Pvt.) Ltd., Plot No. G-20 SITE Super Highway, Phas 2, Scheme-33, Industrial Area, Karachi 4) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi. 5) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 6) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi.
			ii) PVC Electric Insulation Tape - Width exceeding 20cm - (Log Roll)	Thickness from 15 microns to 200 microns	Black, red, yellow, blue & white colour	--	1) Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore 2) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi
New	235	39201000	Poly Back Sheet (Cast Film)	in roll form	--	--	Poly Ozone (Pvt.) Ltd., F/7-A, Shade No. 5, Main Gulbai Road, S.I.T.E., Karachi.
225	236	39202010	Biaxially Oriented Polypropylene (BOPP) film, all category except metallized	--	BOPP Films	Polymer	1) Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi 2) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi.
226	237	39202020	Biaxially Oriented Polypropylene (BOPP) film, printed	--	BOPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi
227	238	39202030	i) BOPP Film	Capacitor grade: width of roll 30mm to 120mm, Thickness: 04 to 12 microns	Metallized	Ash contents ≤ 30 PPM	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
			ii) Biaxially Oriented Polypropylene (BOPP) film, Pearl & metallized	--	BOPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi
228	239	39202040	i) Laminate for Flexible Packaging ii) Biaxially Oriented Polypropylene (BOPP) film, laminated	Plastic based laminates used for Packaging	Solid in roll form or bags	Polymer	1) Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760 2) Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi
229	240	39202090	i) Others, Cast Polypropylene (CPP) film, all category	--	CPP Films	Polymer	Tri-Pack Films Limited, House No 18, Sir Abdullah Haroon Road, Adjacent Marriot Hotel, Karachi
New			ii) Other (Sheets, films, foil, strip of polypropylene)	Plastic Corrugated Sheets	Hollow Plastic Sheets with GSM 450-1600 range of and thickness range 2-6mm	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53801
230	241	39203000	Polystyrene plates, sheets, film,	- HIPS 1mm to 4mm (6*4" sheet) - GPPS, Polystyrene Sheet Thickness 0.25 mm to 7.00 mm Width 48" - Flat sheeting made from Polystyrene (PS), High Impact Polystyrene (HIPS), General Purpose Polystyrene (GPPS), Acrylic (PMMA), Acrylonitrile Butadiene Styrene (ABS), a combination of HIPS and GPPS and a cobination of ABS and PMMA. Thickness ranging from 1 mm to 10 mm and width upto 4.5 feet	--	Polystyrene sheet is a high impact grade of polystyrene with improved stress crack resistance, developed for extrusion and thermoforming applications, especially for the refrigerator industry in various thickness and sizes.	1) Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore. 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) Green Earth Recycling Pakistan, 208/A Street # 5, Cavalry Grounds, Cantt. Lahore
231	242	39204300	Polyvinyl Chloride plates, sheets,	PVC Flexible Sheet Width = Upto 132 Inches Minimum Thickness = 30Micron, Maximum Thickness = 2000Micron, Length = As per customer requirement	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
232	243	39204910	i) Polyvinyl Chloride plates, sheets, rigid	Width 24" Thickness 50 to 500 Micron (PVC)	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) PVC Rigid Sheet	Thickness = 0.05 mm to 0.8 mm, Width = 1520 mm, Color = Transparent / Any	As per standard	As per standard	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
			iii) Grounding Set	DD PD 21_2008 Insulation rating 11kV	As per standard	As per standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
233	244	39204990	Polyvinyl Chloride plates, sheets,	Width 24" Thickness 50 to 500 Micron (PVC)	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.
234	245	39205900	Polyacrylic, other, plates, sheets,	Width Acrylic 1.5mm to 12mm 6*4	--	--	Lucky Plastic Industries (Pvt) Ltd., Polymer House E-110 Main Boulevard Defence, Lahore Cantt, Lahore.
235	246	39206200	BOPET Film (All types i.e. transparent, chemical coated, metalized, etc.)	Having thickness of various micron	--	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Astro Plastics (Pvt) Ltd., 17-Banglore Town, Shahrah-e-Faisal, Karachi
236	247	39206310	Polyester rigid film	Micron 150 to 1800	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.
New	248	39206390	Modified Solid Surface Sheet	Length 3600mm and width 760mm. Th: 6 to 18mm	Sheets with different color and design		Prisma Tech. (Pvt) Ltd., 135 CCA, 2nd Floor, Block DD, Phase 4, DHA, Lahore
237	249	39206900	i) BOPET Film (All types i.e. transparent, chemical coated, metalized, etc.)	Having thickness of various micron	--	--	1) Novatex Ltd., Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530 2) Astro Plastics (Pvt) Ltd., 17-Banglore Town, Shahrah-e-Faisal, Karachi
New			ii) Modified Solid Surface Sheet	Length 3600mm and width 760mm. Th: 6 to 18mm	Sheets with different color and design		Prisma Tech. (Pvt) Limited. 93CCA, Block-DD, Phase-4, DHA Lahore
238	250	39211200	Polyvinyl Chloride plates, sheets,	PVC Film	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
239	251	39211300	Polyurethane plates, sheets, film, except for used in auto sector	Polyurethane Sandwich Panels	Thickness from 60mm to 150mm	--	Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi
240	252	39219090	i) Tooth paste tube Laminate	100-125 mic PE+Co-polymer laminated to foil 20-40 mic + PE + Co-polymer both sides. (Total thickness 290 to 300 mic)	--	--	Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi
			ii) PVC Flex Vinyl/Banner	GSM = 240 gm to 610 gm, Width = 40 inch to 126 inch, Color = White / Any	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
			iii) PVC Geo Membrane	Thickness = 0.25 mm to 3 mm, Width = 84 inch to 132 inch, Color = Black / Any	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
			iv) Other, Pet Sheet	Micron 150 to 1800 Width upto 1.8mm	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.
New			v) Other (Sheets, films, foil, strip of plastics)	Liquid Colorants for PU, PVC, W/B & S/B, Paints, Textile printing	Hollow Plastic Sheets with GSM 450-1600 range of and thickness range 2-6mm	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co. 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53802
New	253	39229000	i) Polyvinyl Chloride (PVC) Waterstopper	PVC Waterstopper	Comes in various thicknesses and widths	PVC Plasticiser Stabiliser Calcium	Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore
New			ii) Rubber Waterstopper		Comes in various thicknesses and widths	Rubber, Natural	
New			iii) Polyvinyl Chloride (PVC) Mudflaps	Mudflaps used for commercial vehicles Comes with or without logo in printed form with UV coating layer protection	Various thicknesses, widths and length as per the customer demand and vehicle size	PVC Plasticiser Stabiliser Calcium UV Coating	
241	254	39231000	Boxes, cases, plastic caps and plastic similar articles	Boxes, plastic, for conveyance or packing Range Ø44mm to 32 OZ	--	--	1) Polycon Pakistan Pvt. Ltd., 62-CMA Officers Colony, 4th Street, Lahore Cantt. Lahore 2) Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.
New	255	39232100	Sacks and bags, of polymers of ethylene	Made of pure HDPE virgin, UV stabilized	Rolls and Bags	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
New	256	39232900	Sacks and bags, of other plastics	Made of pure HDPE virgin, UV stabilized	Rolls and Bags	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
242	257	39233010	Bottle	Weight 17gm to 50.64gm, Neck 28mm I.V 85	--	--	Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.
243	258	39235000	Plastic caps	Plastic caps	--	--	1) International Caps Company, 121/A, Ishaqabad, Sir Shah Mohd Suleman Road, Karachi-75900 2) Krystalite Products (Pvt) Ltd., 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines - 10, Karachi.
244	259	39239010	Preforms	Made from PET Resin	All ranges including and above 11.5 grams.	--	1) Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi. 2) Novatex Ltd. , Ground Floor, G&T Tower # 18, Beaumont Road, Civil Lines - 10, Karachi - 75530
New	260	39239090	i) Articles for conveyance or packaging of plastics (others)	Plastic Corrugated Sheets	Plastic reusable boxes and plastic crates of different dimensions	Combination of plastic resins, and masterbatches	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53803
New			ii) Plastic Disposable Cups & Glasses	PP Resin	One time use	Food Grade	Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore.
245	261	39249000	Cans, plastic (Household)	10 ml to 40 litres.	--	Hydensity polyethylene,ABS, PP	Plasticans (Pvt) Ltd., 120/3 Industrial Estate, Kot Lakhpat Lahore
246	262	39251000	Oil Storage Tanks	--	As per Customer Specification	As per Customer Specification	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore
New	263	39259000	Towel Rail	Operating Voltage: 230V Range of Product : 150, 200, 250, 300, 400, 600 and 800W. Material : Incoloy /SS Elements dia : 12mm Control the towel rail elements IPX5 rated Active LED display	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
New	264	39259090	PVC Wall Panels	PVC Wall Panels	Width various – 10", 14", 16" 24" Thickness – 8mm	PVC, Stabiliser, Calcium, ACR, CPE, Titanium	Asia Vinyl & Rubber Industries, 40 Ferozpur Road, Lahore
New	265	39269060	Plastic Shoe-Lasts		High Accuracy & Durability	Plastic	Intra-Keck (Pvt.) Ltd., Dera-Jandran, 112/2 Quaid-e-Azam Industrial Estate, Lahore
247	266	39269099	i) Textile Spinning Ring Bobbin	Polycarbonate with glass fibre Polycarbonate –ABS Any Size with and without bush and ring	highly flexural strength -impact strength	polycarbonate glass fibre	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.
			ii) Ring Bobbin crate	Size (mm): 520x300x320 -CoPolypropylene		CoPolypropylene	
			iii) Dyeing Cone & Cheese Cone	Any Size		Polypropylene	
			iv) Mulching Film Nets	15-30 micron 2-4 ft width	Rolls & Kgs	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
New	267	40029900	Synthetic Rubber - Other -- Other	TPR Thermoplastic Rubber Compounds	Melting range of 100-180oC,, 0 Shore A – 80 Shore A, Density 0.5-1.8 g/cm3	Combination of plastic resins, additives and mineral fillers	Bin Rasheed Color & Chemical Mfg Co., 338A-341, Sundar Industrial Estate, Raiwind Road, Lahore 53804
248	268	40030000	Rubber, reclaimed	PS: 1915 - 1987 ISO: 4633/ 1 - 1983	Natural or Synthatic rubber	--	1)Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi 2) Anwar Rashid Industries (Pvt) Ltd. ,1.5 km Chicho Ki Mallian, Joyan Wala Morr, Post Office mannoo Pur Tehsil & Distt , Sheikhupura.
249	269	40070010	Vulcanized Ruber	Use in Elastic	High Elongation	Homogenized Bland of Latex & different Chemical	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan
250	270	40070090	Thread &Cord	Use in Elastic	High Elongation	Homogenized Bland of Latex & different Chemical	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan
251	271	40091190	Pipes and tubing	All types, un-hardened vulcanized rubber excluding bearing API certification., Rubber hoses	--	--	1) Longman Mills, Lahore, 14-N Industrial Area Gulberg-II Lahore- 2) Samad Rubber Works Ltd., 409-Ferozepur Road P.O. FC, College Lahore-54600 3) Darson Rubber Works Ltd., Darson Road, G.T. Road, P.O. Box 5, Wazirabad – 52000
252	272	40091200	i) Hoses, vulcanised rubber,	ASTM & SAE, with Fittings, excl hard rubber, with their fittings	--	--	Darson Industries Private Limited, Darson Road, P O Box 5, Wazirabad-52000
			ii) Hoses, vulcanised rubber, not reinforced or Combined	Size ½", 3/8", length 3', 3.5', 4', 6' available for Nat Gas LPG, confirming to BS 669-1:1989 [Excluding High Pressure Hoses of over 30 PSI & having API Certification]	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
253	273	40101100	Belt Conveyors	5 Ton To 300 Ton / hour	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
254	274	40101900	Conveyors Belts and Transmission Belts (of Vulcanized Rubber)	Belts from 25mm in width to 2300mm width with any length and thickness and number of plies. (as per customers requirements)	--	Heat Resistant and abrasion resistant	Chawla Rubber & Plastic Ind. (Pvt) Ltd., 43-Industrial Area, Township, Kot Lakhpat, Lahore
255	275	40111000	Tyres of a kind used on motor cars (including station wagons and racing cars)	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar
256	276	40112011	Radial Tyres of a kind used in Light Trucks	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Service Long March Tyres (Pvt.) Ltd. B-61, Sindh Industrial Trading Estate Nooriabad, Jamshoro.
257	277	40112019	Other Tyres of a kind used in Light Trucks	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore
259	278	40112091	Radial Tyre of a kind used on buses or lorries :	All sizes/ Types	--	--	Service Long March Tyres (Pvt.) Ltd. B-61, Sindh Industrial Trading Esstate, Karachi
260	279	40112099	Other Tyres of a kind used on buses or lorries :	All sizes/ Types	--	--	1) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar
261	280	40114000	Pneumatic Tyres For 2/3 Wheelers (Motorcyels, Scooters, Motorcycles, Trolley, wheel barrow)	All sizes/ Types	--	--	1) Service Industries Ltd., Service House-2, Main Gulberg, Lahore 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 3) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan. 4) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 5) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar
262	281	40115000	Pneumatic Tyres of a kind used on bicycles	All sizes/ Types	--	--	Service Industries Ltd., Service House-2, Main Gulberg, Lahore
263	282	40117000	i)Tyres,rubber,pneumatic Tractor / Tractor (F & R)	All sizes/ Types	--		1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) Service Industries Ltd., Service House-2, Main Gulberg, Lahore
264	283	40118000	Tyres,rubber,pneumatic	All sizes/ Types	--		Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore
265	284	40119010	Tyres,rubber,pneumatic of a kind used on rickshaw	Front & Rear	--		1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 3) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar
266	285	40131010	Inner Tubes of Rubber of a kind used on buses, lorries or trucks	All sizes/ Types			Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore
267	286	40131020	Inner Tubes of Rubber of a kind used on motor cars	All sizes/ Types	--	--	1) Panther Tyre Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan.
268	287	40132000	Inner Tubes of Rubber of a kind used on bicycles	All sizes/ Types	--	--	1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) Service Industries Ltd., Service House-2, Main Gulberg, Lahore
269	288	40139010	Inner Tubes of Rubber of a kind used on agricultural tractors	All sizes/ Types	--	--	1) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 2) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
270	289	40139020	Inner Tubes of Rubber of a kind used on motor cycles	All sizes/ Types	--	--	1) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore 2) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 3) Ghandhara Tyre & Rubber Company Ltd., H-23/2, Landhi Industrial Trading Estate, Landhi, Karachi 4) Crown Tyres Limited, Taj Chowk, Ahmad Pur Lama Road, Sadiq Abad District, Rahim Yar Khan. 5) Service Industries Ltd., Service House-2, Main Gulberg, Lahore
271	290	40139030	Inner Tubes of Rubber of a kind used on jeeps	All sizes/ Types	--	--	United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar
272	291	40139090	Inner Tubes of Rubber	for Rickshaws, Motorcycle & Scooter, Trolly, Rickshaw, ULT, Agri, Bus/Truck Tube, etc.	--	--	1) United Rubber (Pvt) Ltd., 70-Industrial Estate Jamrud Road Peshawar 2) Service Industries Ltd., Service House-2, Main Gulberg, Lahore 3) Panther Tyres Ltd., Panther House, Aziz Avenue, Canal Bank, Jail Road, Lahore
273	292	40161090	Textile Spinning Rubber Apron	Any Size with any Hardness	Ozone crack resistance -vegetable oil resistance -abrasion resistance -moisture resistance -tear resistance -antistatic resistance	Ozone crack resistance -vegetable oil resistance -abrasion resistance -moisture resistance -tear resistance -antistatic resistance	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.
274	293	40169210	Tip Erasers	Plastic	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore
275	294	40169290	Erasers	Plastic	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore
New	295	40169990	Rubber Stopper	Bromobutyl Rubber Stoppers	Height : 12.2 mm, Top Dia: 30.8 mm, Neck Dia: 23.6 mm, Thickness: 4.0 mm	--	Ghani Metal & Rubber Industries (Pvt.) Ltd., Plot No. 62-A, Phase-II, M-3 Industrial City FIEDMC, Faisalabad.
276	296	40169390	Swivel and Nut Assembly	1/2"	Denisty 8.41 g/cm3	60/40 Brass	Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi
277	297	42010000	Belts or Belting of rubber and/or leather excluding those conforming to API specifications.	Conforming to BSS-351 & 490 (excluding grades, N 17, M 24 & above) Also conforming to DIN 22102 (excluding grades; M, N and above)	--	--	Premier Rubber Belting Mfg. Co., C-13, SITE Karachi
278	298	44109000	Chipboard	Board made of chips of wood	Sheets size 8*4 ..... density 600	Glue Urea Formaldehyde	Chenab Particle Board (Pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta,
279	299	44111200	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 2.0 mm 1220 x 2440 x 2.2 mm 1220 x 2440 x 3.0 mm 1220 x 2440 x 4.0 mm 1220 x 2440 x 4.5 mm 1220 x 2440 x 5.0 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra, 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
280	300	44111300	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 5.5 mm 1220 x 2440 x 6.0 mm 1220 x 2440 x 6.5 mm 1220 x 2440 x 7.0 mm 1220 x 2440 x 8.0 mm 1220 x 2440 x 9.0 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar
281	301	44111400	Medium Density Fiber (MDF) / Lamination Board	Size 8 x 4 (standard) OR, as per customer requirement OR 1220 x 2440 x 10 mm 1220 x 2440 x 11 mm 1220 x 2440 x 12 mm 1220 x 2440 x 15 mm 1220 x 2440 x 16 mm 1220 x 2440 x 17 mm 1220 x 2440 x 18 mm 1220 x 2440 x 24 mm 1220 x 2440 x 30 mm	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) Chenab Particle Board (pvt) Ltd., 30.k.m. Gujranwala Road, Alipur Chatta, 2) Al Noor Sugar Mills Ltd., Shahpur Jahania, Taluka Moro, District Naushero Feroze 3) Ciel Wood Works (Pvt) Ltd., 17, Ind. Estate, Jumrud Road, Peshawar 4) Frontier Green Wood Industries (Pvt) Ltd., W 28, 29 and plot No. 14, 27 Industrial Estate, Jamrud Road, Peshawar 5) Garibsons (Pvt) Ltd., C69-71, 12th Commercial Street Phase 2 Ext, DHA Karachi 6) Taj Board, Near Taj Ghee Sakha Kot Road, Sher Ghar, KPK 7) Hamza Board, 10 KM Gojra Pensra Road, Gojra 8) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 9) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar
282	302	44119200	Melamine Moulded Door skin of a density exceeding 0.8 G/CM2	Width = 27" , 39", 42" Length = 84"	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar
283	303	44119310	Not Mechanically Worked or Surface Covered		Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar
284	304	44119390	Veneered Moulded Door Skin Primed Molded Fibre Board Door Skin Melamine Moulded Door Skin UV melamine MDF	Width = 27" , 39", 42" Length = 84" UV 16mm & 17mm Size=(1220x2440)	Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar
285	305	44119400	BTO Standard Red Stamping Sheet Fibre Board BCC Premium Fbire Board BTO Standard Fibre Board BCR Superior of a density not exceeding 0.5 G/CM2		Density Profile: EN 323 Swelling: EN 317 Surface Soundness: EN 311-2002 Screw Pull Force: EN 320 MOR & MOE: EN 310 Internal Bond: EN 319 Moisture Content: ASTM D2216 Surface Gloss: ASTM D523-14	Emission in Board: EN 717-2 Board Standard: E1	1) ZRK Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar 2) Peshawar Particle Board Industries (Pvt) Ltd., Plot No. W-16, 17 Industrial Estate Jamrud Road, Hayatabad, Peshawar

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
286	306	48025510	Writing Printing Paper	General category of white paper suitable for printing and writing	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
287	307	48025590	Writing Printing Paper	General category of white paper suitable for printing and writing	Bleached Pulp	Cellulosic material	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
288	308	48025600	Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
289	309	48025700	Photo Copy Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
290	310	48026100	Writing Printing Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
291	311	48026200	Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
292	312	48026990	Photo Copy Paper	Paper designed to run of Photo coping machines	Bleached Pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
293	313	48030000	Jumbo Reel of Toilet or Facial Tissue or similar kind of paper	Toilet or facial tissue stock, towel or napkin stock and similar paper of a kind in Jumbo tissue reel form (Grammage 13.5 gsm to 32 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	1) Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
294	314	48041100	Semi Kraft	Outer Paper for corrugated containers	Mix of Kraft pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
295	315	48041900	Semi Kraft	Outer Paper for corrugated containers	Mix of Kraft pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
296	316	48044900	Un-coated board used for liquid packaging	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
297	317	48045900	LPB - Kraft Back Board	Multilayered board with white surface, produced form virgin pulps and suitable for food packaging	Bleached / unbleached virgin pulp	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
298	318	48051100	Fluting Paper	Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
299	319	48051200	Fluting Paper	--	--	--	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
300	320	48051900	Fluting Paper	Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
301	321	48052400	White Test Liner	Outer Paper for corrugated containers having white surface	Bleached and un-bleached recovered fiber may also contain virgin fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
302	322	48052500	Test Liner	Outer Paper for corrugated containers	Recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
303	323	48059210	Uncoated FBB	Used for Poly Coating and Cupboards	Bleached virgin pulp	Cellulosic material	Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
304	324	48109200	i) LPB - Kraft Back Board ii) Folding Box Board	Multilayered board with white surface, produced form virgin pulps and suitable for food packaging	- Bleached / unbleached virgin pulp - Chemical and Mechanical Bleached virgin pulps	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
305	325	48109900	Duplex Board	Multilayer board with white top	Bleached Chemical pulp and recovered fiber	Cellulosic material	1) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Century Paper & Board Mills Ltd., 62 KM Lahore Multan Highway, N-5, District Kasur
306	326	48114100	i) Masking Tape	Thickness 15mic to 40 mic	White Colour / any colour	--	1) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 2) Universal Coating Films Company (Pvt.) Ltd., Plot No. G-20 SITE Super Highway, Phase 2, Scheme-33, Industrial Area, Karachi. 3) A.J. Containers (Pv.) Ltd., A/24 F, Survey Street No. 35-P/1, Trans Lyrari Water, SITE, Karachi. 4) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 5) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 6) Toplink Packaging (Pvt.) Ltd., Plot No. F-398, SITE, Karachi. 7) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 8) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi
			ii) Laminate for Flexible Packaging (Self-adhesive)	Paper and plastic based self-adhesive labels	Solid in roll form of stacks	Cellulosic material & Polymer	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760
307	327	48115100	Poly coated board (Bleach board weighing more than 150gsm)	combination of multi layer Coated / un-coated Printed board and PE of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
308	328	48115990	Poly coated board (other poly coated board), excluding for use in filters	combination of multi layer Coated / un-coated Printed board and PE of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
309	329	48119000	Printed Decorative Paper, excluding for use in filters	widh-1250mm, 50-75GSM, Various wood grain effects and fancy desigens	Excellent wet Strength, Good Wet opacity, fully Absobent,Specially formulated water base Inks with high and thermal stability	Chemically bleached wood pulp (Fibers),Thickness:80mm,Moisture:<5% Conn: 50-60g/m2, Ash content upto 35%	Wali Laminates (Pvt) Ltd., 17 KM, Ferozpur Road, Lahore
310	330	48181000	Toilet Paper	Finished product, converted in roll form (Grammage from 15 gsm to 24 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760
311	331	48182000	Handkerchiefs, cleansing or facial tissues and towels	Finished product, converted in box, rolls, or packed in poly form, folded or in sheets (Grammage 13.5 gsm to 32 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760
312	332	48183000	Tablecloths and serviettes	Finished product, converted in box, or packed in poly form, folded or in sheets (Grammage 13.5 gsm to 22 gsm)	Solid in roll form, Packed finished product after converting it into different consumer specific requirements	Wood pulp and recycled paper, board & tissue material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760
313	333	48191000	Carton, cases & boxes of corrugated paper or Paper board (4819.1000). Folding carton, boxes and cases of non- corrugated paper or Paper board (4819.2000).	Multi layer Coated / un-coated Printed board of various grammages as per customer specs	Produced in HL & Glued printed carton	Paper and Board material	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
314	334	48192000	Carton, cases & boxes of corrugated paper or Paper board (4819.1000). Folding carton, boxes and cases of non- corrugated paper or Paper board (4819.2000).	Multi layer Coated / un-coated Printed board of various grammages as per customer specs	Produced in HL & Glued printed carton	Paper and Board material	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
315	335	48193000	Sacks, paper	Papersacks made from Extensible / Clupak and Non Extensible Sack Kraft Paper base width 40 cm or more	--	--	Pakistan Papersack Corporation Limited Plot No. 749-749A, Zila Moza Pathra, Tehsil Hub, District Lasbella, Hub Baluchistan
316	336	48221000	Bobbins, Spools, Cops used for winding Textile yarn.	Made of Paper & Paper Board.	50-505 mm I/D Upto 3 Meter Length O/D upto 530 mm.	--	Coastal Converters (Pvt) Ltd., Room # 311, 3rd Floor, Korangi Association of Trade & Industry, Sector # 23, K.I.A, Karachi
317	337	48229000	Bobbins, Cops, Cores, Tubes and other winding supports of Paper & Paper Board	Made of Paper & Paper Board.	50-505 mm I/D Upto 3 Meter Length O/D upto 530 mm.	--	Coastal Converters (Pvt) Ltd., Room # 311, 3rd Floor, Korangi Association of Trade & Industry, Sector # 23, K.I.A, Karachi
318	338	48236900	Disposable paper or paperboard plates, trays, dishes & cups of different sizes	Multilayer coated board, ranging from 160 cc to 21 OZ, plain and customized.	Blend of various pulps / Recycled Fiber	Paper and board material	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760
New	339	48239040	Double Side Self Adhesive TissueTape	60 microns to 140 microns	white color	Natural rubber, based glue and film	1) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 2) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 3) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 4) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi 5) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi.
319	340	48239090	Metalized board	combination of multilayer coated / un-coated printed board and Metalized PET of various grammages as per customer specs	Produced in roll & sheet form	Paper and Board and polymer of Ethlene terrathelate (PET)	1) Packages Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore 2) Bulleh Shah Packaging (Pvt) Ltd, Sharah-e-Roomi, P.O. Amer Sidhu, Lahore
320	341	49081000	Transfers, vitrifiable, excluding window transparencies	Stickers, Transfer Labels (Decalcomania) and Chassis Aluminium ID Plates.	--	--	Allco Transfer Printers (Pvt) Ltd., 3 Haider Chamber, 11-B, Rizvia Society, Karachi-74600
321	342	49089000	Decalcomanias, excluding vitrifiable decalcomanias	Transfer Labels (Decalcomania)	--	--	Allco Transfer Printers (Pvt) Ltd., 3 Haider Chamber, 11-B, Rizvia Society, Karachi-74600
322	343	54023300	Yarn,textured,of polyesters	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.
323	344	54023400	Synthetic filament Textured yarn - made of polypropylene	Polypropylene Melt-spun Textured Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
324	345	54023900	Synthetic filament yarn - made of polypropylene	Polypropylene Melt-spun Filament Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
325	346	54024600	Others of polyester, partially oriented	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.
326	347	54024700	Yarn,oriented polyester, Single, untwisted	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.
327	348	54024800	Synthetic filament yarn - made of polypropylene	Polypropylene Melt-spun Filament Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
328	349	54025200	Other yarn, single, with a twist exceeding 50 turns per metre, of polyester	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.
329	350	54025900	Synthetic filament yarn twisted - made of other synthetic material	Polypropylene Melt-spun Twisted Yarn	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
330	351	54026200	i) Other yarn multi or cabled of polyester	Polyester Filament Yarn	--	--	Gatron (Industries) Limited, 11th Floor, G&T Tower No. 18, Beaumont, Civil Lines – 10, Karachi.
			ii) Air Coverd Yarn	Use in Denim	High Elongation	--	Fintex Mfg. Crop. (Pvt) Ltd., Plot # G-17-18,H.I.T.E, Hub, Balucistan
331	352	54041100	Knitted & Woven Elasic,Tape,Ribbon, Cords used in Garment & Home Textiles Export Industry.	Narrow Fabrics of 5mm - 200mm	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
New	353	54041100	Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New	354	54041900	i) Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.
New			ii) Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--	
New	355	54049000	i) Filaments for Tooth Brush	PBT Monofilament for tooth brush	Dia: 5 mm - 10 mm, Length: 28 mm to 1200 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.
New			ii) Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--	
New	356	54060000	Filaments for Paints Brush	Polyester Filament Hollow Filament Tapered Filament	Length 50 mm to 1260 mm	--	Universal Brushwares (Pvt.) Ltd., Plot No. LE 07-08, A8 Korangi Creek Industrial Park, Street 1, Sector 38, Karachi.
332	357	54075200	Knitted & Woven Elasic,Tape,Ribbon, Cords used in Garment & Home Textiles Export Industry.	Narrow Fabrics of 5mm - 200mm	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
333	358	54076900	Weaved Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength, Seam Fatigue, Flexibility, Flamability, Color Fastness, Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020
334	359	55032010	Polyester Staple Fibre	Synthetic staple fibres, not carded or combed. Of polyesters not exceeding 2.22 decitex.	0.5-2 Denier staple fibre	PTA= 0.865, MEG= 0.334, Textile Finish= 0.10-0.20,	Lucky Core Industries Limited, Soda Ash Business, 63, Mozang Road, Lahore 54000
335	360	55034000	Synthetic staple fibre - made of polypropylene	Polypropylene Melt-spun Staple Fibre	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
New	361	56031100	Non Woven Fabric of manmade filaments (Spunlace)	Weighing not more than 25 g/m2	As per Customer Specification	As per Customer Specification	1) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad. 2) U. F Fiber Industries (Pvt.) Ltd., Plot No. X/7A, Near Guibai, S.I.T.E., Karachi
New	362	56031200	Non Woven Fabric of manmade filaments (Spunlace)	Weighing more than 25 g/m2 but not more than 70 g/m2	As per Customer Specification	As per Customer Specification	1) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad. 2) U. F Fiber Industries (Pvt.) Ltd., Plot No. X/7A, Near Guibai, S.I.T.E., Karachi
New	363	56031300	Spunlace Non Woven Fabric (excluding used in filters)	Weighing more than 70 g/m^2 but not more than 150 g/m^2	Application Areas: Wet Wipes, Leather Substrate, Hygiene, Medical Application, Cosmetic Application.	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.
336	364	56031400	Non Woven Fabric of manmade filaments (Geotextile), Excluding used in filters	Weight 200-1500 gm/ m2; Width (max): 3 meter	Material: Polyester/ Polypropylene; Type: Needle punch non woven fabric; Weight/ Density: 150gsm and above; Thickness: 1-20mm; Color: As per requirement; Width: 3 meter max; Length: As per requirement.	--	1) PCI Materials (Pvt.) Ltd., 401, Deh Drigh, Rafa-Aam Society, Malik Halt, Karachi 2) Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.
337	365	56039100	i. Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
New			ii. Spunlace Non Woven Fabric	Blend of made of cotton, polyester, viscose, bamboo, lyocell with different compositions	--	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.
New	366	56039200	Other nonwoven fabric (Spunlace) (excluding used in filters)	Weighing more than 25 g/m2 but not more than 70 g/m2	As per Customer Specification	As per Customer Specification	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.
338	367	56039300	i) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
New			ii) Other nonwoven fabric (Spunlace)	Weighing more than 70 g/m2 but not more than 150 g/m2	As per Customer Specification	As per Customer Specification	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
339	368	56039400	i) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
New			ii) Polyester Non Woven Fabric (Automotive Grade)	gsm range of 15gsm - 500gsm	Made from cotton, polyester, polypropylene	--	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020
New			iii. Spunlace Non Woven Fabric	gsm range of 15gsm - 500gsm	Blend of made of cotton, polyester, viscose, bamboo, lyocell with different compositions	--	Tapal Tex (Pvt.) Ltd. Plot No. 47, Industrial Estate, Phase-II, M-3, Faisalabad.
340	369	56041000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
New	370	56050000	i) Glitter Powder ii) Metallized Yarn,		PET film	Resin/ Dyes/ Solvent	Brightex Industries (Pvt) Limited. Office No. 24-25, Mohmand Plaza, Chowk Yadgar, Peshawar
341	371	56060000	Yarn,chenille, including flock chenille	Chenille Yarn Ecru and Dyed	Standard	Acrylic, Blended	Khawaja Woollen Mills (Pvt) Ltd., 4-H, Gulberg-III, Lahore-54660
New	372	56074100	Binder or baler twine: Of polyethylene or polypropylene	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
342	373	56074900	Twine, cordage, rope and cables-made of polypropylene	Polypropylene Braided & Knitted twine, cordage, rope and cables	Low specific gravity, environmentally friendly	Thermoplastic polymer of propylene $(CH_3)_n$	1) Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi 2) Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
New	374	56081100	Twine, cordage or rope; Made up Fishing Nets	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
343	375	56081900	i) Anti-insect Nets	Mesh 25x50, 40x80, GSM 100-115	Net rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
			ii) Anti-Hail Nets	1/2 Inch Mesh, 13x60 ft			
			iii) Anti-Birds Nets	1 inch Mesh, 20x100 ft			
New			iv) Other	Made of pure HDPE virgin, UV stabilized	Net rolls	Polymer based	
344	376	56089000	i) Vegetable/Crop Nets	HDPE 280D/ 6 ply, Mesh 16"	9x210 ft	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
			ii) Green Shade Nets	40-80% Shading ratio, 80-200 GSM	Rolls of 4x50 m	Polymer based	
			iii) Fruit/Vegetable Packing Nets	1-25 Kgs packing	Bags	Ploymer based	
New	377	56090000	Articles of yarn, strip or the like of heading 54.04 or 54.05, twine, cordage, rope or cables, not elsewhere specified or include	Made of pure HDPE virgin, UV stabilized	Rolls	Polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
345	378	58019000	Weaved Fabric	Automotive Grade	Tensile/Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength/Fatigue, Flexibility, Flamability, Color/Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020
346	379	58062000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
347	380	58063200	i) Ribbons, nylon, narrow woven	Hook and Loop Fastener tapes, made from 100% nylon material and available in widths 10mm up to 100mm	--	--	NFU Industries (PVT) Ltd., 20 Km, Raiwind Road, Lahore.
			ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
348	381	58071020	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
349	382	58071030	i) Narrow woven fabrics, woven, ribbons, tapes, webbing and other:	Made from yarns of cotton, polyester and/or polypropylene used in curtain headers, usually for the home-textile export-oriented industry	Narrow woven fabrics of 1 to 6-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
350	383	58071040	i) Narrow woven fabrics, woven, ribbons, tapes, webbing and other:	Made from yarns of cotton, polyester and/or polypropylene, used in sports goods and luggage/bags manufacturing as straps and handles,	Narrow woven fabrics of 0.5 to 5-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi
351	384	58071040	ii) Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
352	385	58071090	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
353	386	58079000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
354	387	58081000	Twine, cordage, rope and cables, plaited, knitted or braided: for example used as garmet draw-strings, or as filler dori, usually for the garment export-oriented industry	Made from yarns of cotton, polyester and/or polypropylene	1-14 mm diameter	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi
355	388	58090000	Narrow woven fabrics, woven, ribbons, tapes, webbing and other: for example used in manufacturing of furniture such as sofas for domestic consumption.	Made from yarns of cotton, polyester and/or polypropylene, usually including rubber thread	Narrow woven fabrics of 0.5 to 5-inches width	Textile material	Karachi Webbing Company, Plot No. 501, Sector 05, Korangi Industrial Area, Karachi
356	389	59019010	Buckram	Interlining Fabric of Cotton/ PC in Rolls for Shirts	--	Coated with Thermoplastic Adhesive	1) Aruj Garment Accessories Ltd, Aruj House, 1 KM Raiwind Road, Lahore 2) Aruj Industries, 2-Km off Raiwind Manga Road, Raiwind, Lahore
357	390	59031000	Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	PVC Synthetic Leather	Coated /Laminated Fabric	Polyvinyle Choloride (PVC)	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) AHN Synthetic (Pvt) Ltd., 23-KM, Lahore/ Sheikhupura Road, Sheikhupura
358	391	59032000	Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	i) PU Synthetic Leather	Coated /Laminated Fabric	Poly Urethane (PU)	1) A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore. 2) AHN Synthetic (Pvt) Ltd., 23-KM, Lahore/ Sheikhupura Road, Sheikhupura
359	392	59039000	i) Textile fabrics impregnated, coated, covered or laminated with plastics, (Artificial Leather).	PU/ PVC Synthetic Leather	--	--	A.T.S Synthetic (Pvt) Ltd., 4-Km, Kacha Road, Kahna Nau, Lahore.
			ii) Fusible Interlining	Fabric of Polyester in rolls for suits, jackets, and lady wears	--	Coating with Polyamide and Co-Polyester	Aruj Industries, 2-Km off Raiwind Manga Road, Raiwind, Lahore
360	393	59069900	Cloth Tape	Thickness 15mic to 40 mic	White Colour / any colour	--	1) Osaka Electric & Industrial Co., Ground Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 2) Tape World (Pvt.) Ltd., F-53, Plot No. 6, Sindh Small Industrial Corporation, Hub River Road, SITE, Karachi 3) Double A Packaging Industries (Pvt.) Ltd., Plot No. 76, Sector 23, Korangi Industrial Area, Karachi. 4) Union Shine Industries (Pvt.) Ltd., Plot No. 273/1-10, Ibrahim Hyderi Industrial Area, Korangi Creek, Karachi 5) Chawla Industries (Pvt.) Ltd., B-7, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 6) Khurram Associates, Room No. 29, 4th Floor, Arkay Square, Shahrah-e-Liaquat, New Challi, Karachi
361	394	59090000	Hose piping, textile material	Fire Hose, Made from High quality Polyester Yarn, woven on Circular Looms, and Rubberlined	Working Pressure 16 bar, Brusting Pressure 32 bar	Polyester 25%, Rubber 75%	National Resources Corporation, 3/E-III, Commercial Area, Nazimabad, Karachi
362	395	59119090	i)) String Wound Filter Cartridges	Polypropylene Melt-spun Yarn Filter Media, and Polypropylene Filter Core US Patent No. 6,942,106 European Patent No. 1153641	Low specific gravity, environmentally friendly, long service-life	Thermoplastic polymer of propylene $(CH_3)_n$	Syntech Fibres (Pvt) Ltd., 5-3-1 Sector 15, Korangi Industrial Area, Karachi
363	396	59119090	ii) Spun Bonded Filter Cartridges	Polypropylene Melt-spun Bonded Filter Cartridge	Low specific gravity, environmentally friendly, long service-life	Thermoplastic polymer of propylene $(CH_3)_n$	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
364	397	60029000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
365	398	60053500	Weaved Fabric/ Knitted Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength, Seam Fatigue, Flexibility, Flamability, Color Fastness, Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020
366	399	60063200	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
367	400	60069090	Weaved Fabric/ Knitted Fabric	Automotive Grade	Tensile Strength, Tear Strength, Constant Load Elongation, Permanent Set, Crease Flex, Seam Strength, Seam Fatigue, Flexibility, Flamability, Color Fastness, Light Fastness, Washing Fastness, Heat Resistance, Light Resistance, etc	Cleanability, Chemical Resistance-part1, Chemical Resistance part-2	Procon Engineering (Private) Limited, D-57, to D-57, N.W.I, Zone, Port Qasim, Karachi-75020
368	401	61171090	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
369	402	61178000	Knitted & Woven Elasic, Tape, Ribbon, Cords	Narrow Fabrics of 5mm - 200mm, used in Garment & Home Textiles Export Industry.	Made from Cotton,Polyester,Polypr-opylene,Nylon,Rubber & Spandex.	--	Gigi Industries (Pvt) Limited, L/A,8/2, F.B Area, Karaci-Pakistan
370	403	68041000	Millstones for Milling, grinding or pulping	Various grit sizes from Coarse (mesh 14) to fine (mesh 320 & above) with Hardness from soft (G) to Hard (R) In Vitrified & Resinoid BondIness. Grinding Disc. Dia x Thickness 4" x 1/4 41/2" x 1/4 5" x 1/4 7" x 1/4 9" x 1/4 Steel/Stone cutting Disc. Dia x Thickness 4" x 1/8 41/2" x 1/8 5" x 1/8 7" x 1/8 9" x 1/8 12" x 1/8 14" x 1/8 16" x 1/8	Working RPMs from 3000 to 14000 M/S	Abrasive + Resin + Glass Fiber	1) Grind Wheel (Pak) Ltd., 2nd Floor, Karachi Chambers, Hasrat Mohani Road, Karachi 2) Mughal Corporation (Pvt) Ltd., Sharif pura, G.T.Road, Gujranwala.
371	404	68051000	- Cloth, abrasive - Coated Abrasives Cloth Roll, Cloth Sheet & Aluminium Oxide cloth belt	Cloth and paper backed abrasives products. Cloth Polyster/ cotton	Grade, Strength etc	Silicon Carbide and Aluminum Oxide Coated on Latex paper cloth	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.
372	405	68052000	Sand paper, Buffing Paper & Abrasives paper.	Kraft Linerboard	Moisture 7-9% GSM 100-130	--	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.
373	406	68053000	i) Leather, abrasive	i) PVC Synthetic Leather, ii) Polyeurethane Synthetic Leather iii) Transparent Plastic Sheet iv) Flocked Fabric v) Jersey Fabric, etc.	--	--	Crescent Art Fabrics (Pvt) Ltd., 23rd Kilometer, Lahore/ Sheikhupura Road, Sheikhupura
	407		ii) Flap & Fiber Disc 4" 5", 7" & Abrasives Fiber Roll	Vulcanized Fiber Paper	Thickness 0.6 $\pm$ 0.03mm, Tensile strength $\geq 60.x10^4$, $\geq 3.5x10^4$, Moisture Content 6.5 - 8.5	--	Falcon Abrasives (Pvt) Ltd., Plot No. 36, Sector No. 28, Korangi Industrial Area, Karachi.
374	408	68061000	i) Wool,rock, in bulk, sheets or roll	Rockwool/mineral Wool Blankets, Pipe Sections and Panels Density Upto 150Kg/m3, ASTM C 592	Diameter of fibres:4-10 micron, Length of fibres: avg. 200 MM Shot contents :max. 15% (0.2 MM, mesh): Loss on ignition:0% Water content:0% Sulphur content:0% Asbestos content :0% Air permeability 70 Kg / CM vf 2 100 Kg / CM 1.1 140 Kg / CM 0.6	S_iO_2, AI_2O_3, Fe_2O_3, TiO_2, CaO, MgO, Na_2O, K_2O	1) Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi 2) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi
			ii) Rockwool Blanket back with G.I Wire mesh	Density = 60, 80 and 100 kg/m^3, Thickness = 50,60,70, 80, 100 mm	Square metre Cube metre L x W x T	Silica, Aluminium, Iron and Mag.	Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS Block-6, Karachi
			iii) Rockwool Resinated Board	Density = 60, 80 and 100 kg/m^3, Thickness = 50,70, 80, 100 mm			
			iv) Rockwool Pre formed Pipe sections	Density = 100-140 kg/m^3 Thickness = 25 to 100 mm	Running metre		

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			v) Rockwool Sandwich Panels	Density = 100-200 kg/m^3 Thickness = 20 to 100 mm	Square metre Cube metre L x W x T		
New			vi) Wired Mattress	Density: 60-140 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Process Temperature control in different industries	Thermal Conductivity: 0.038 W/mk, Shot Content: max. 1.5%, Water Content: 0%, Loss on Ignition: 0%, Sulpher Content: 0, Asbestos Content: 0%	SiO2: 42.50%, Al2O3: 10-17%, Fe2O3: 7-14%, TiO: 1-13%, CaO: 6-15%, MgO: 6-14%,	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			vii) Card Mattress	Density: 40-120 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Extentions and Partition wall, Pre-fab Housing	Thermal Conductivity: 0.038 W/mk, Water Absorption: 2%, Compression Strength: 150 Kpa, Tensile Strength: 200 Kpa, Sound Absorption Coefficient: 0.95	Na2O: 2-4%, K2O: 0.5-3%, PH Range: 7.0-8.0, Fire Resistance: Class A	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			viii) Alumat	Density: 40-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Insulation for air conditioning duct, Household appliances, insulation for buildings	Acoustic Insulation: 40 dB, Melting Point: Does not melt, UV Resistance: Yes	Formaldehyde Emission: < 0.1 ppm, Moisture Content: 1.5%, Fungi Resistance: Yes, Bacterial Resistance: Yes, Ozone Depletion Potential: 0	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			ix) Acoustic Mattress	Density: 30-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Thermic and acoustic insulation, Car roofs	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			x) Roof Mattress	Density: 30-90 Kg/m3, Thickness: 20-100 mm, Dimension: 1*5, 1*4, 1*2.5 Application: Thermal insulation of roof, Industrial shed garrets, Storage tanks	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			xi) Loose Wool	Used upto 800 C, 15 Kg in one bad loose form	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
New			xii) Rockmat	Density: 30-100 Kg/m3, Thickness: 5-100 mm, Dimension: 1000x630x5000 mm, Application: for buildings	--	--	Incom Rockwool (Pvt) Ltd., Shernaz House, 8 West Wharf Road, karachi
375	409	68091100	Gypsum Board	4'x8' 9mm & 12mm	Sheet	Paper, Gypsum, Starch & Foam	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi
376	410	68091900	PVC Laminated Gypsum Ceiling Tiles	2'x2' 7.5mm & 9mm 2'x4' 7.5mm & 9mm	Tile	Paper, Gypsum, Starch, PVC Sheets and Glue	1) DFB Gypsum Industries, Suit No. 105, 1st Floor, Business & Finance Center, II Chundrigar Road, Karachi 2) Lodhia Gypsum Industries (Pvt) Ltd., Suite # 105, Business & Finance Centre, I.I Chundrigar Road, Karachi
377	411	68101900	HT & LT PCC/Spun Hollow Poles, 31 ft to 55 ft	WAPDA Specification DDS-55:2006 (Amended to Date)	--	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Junaid (Pvt.) Limited, 27 Miles, Multan Road Maraka, Lahore.
378	412	68109100	Door-frames, prefabricated, concrete, cement	Door frames roll formed	HR 1/2	Commercial grades	1) Irshad Ahmad & Bros., 145 Loha Market Lahore 2) Junaid (Pvt.) Limited, 27 Miles, Multan Road Maraka, Lahore.
379	413	68114000	i) Cable Conduits of asbestos cement	PS: 558 - 1991 (R) ISO: 881 - 1980	Resistance to corrosion, abrasion hydraulic characteristics	Hydrous Magnesium Silicate 3MgO $2SiO_2$ $2H_2O$	Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi
			ii) Pipe Fittings of asbestos cement	PS 2942 - 1990 ISO 393/4 - 1986, ISO 393/2 - 1986 (E)	Corrosion free, Heat insulation, Fire retardant Termite Proof		
			iii) Joints of asbestos cement	PS: 430 - 1988 (R) ISO 393 part 1&2 1983,1986, ISO 8101-1980, ISO 737-1984	Corrosion Free, Heat insulation, Fire retardant, Termictc proof		
			iv) Pipes of asbestos-cement	PS: 579 - 1982 (R) ISO 396/ 1 & 2 - 1980 (E)	Corrosion Free, Heat insulation, Fire retardant, Termictc proof,		
			v) Corrugated sheets of Asbestos Cement	PS 430 & ISO 393/1	Corrosion Free Roofing Material, Heat Insulation, Fire Retardant, Termite Proof		

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			vi) Asbestos Cement Boards / Flat Sheets	PS 579/2002 ®	Corrosion Free Wall paneling material, weather Resistance, Heat Insulation, Fire Retardant, Termite Proof,		
380	414	68118900	Cable Conduits of Cellulose fibre-cement	PS: 428 - 1984 (R) ISO 160 - 1980,ISO 2785-1986,ISO 4483-1979	ISO 4480-1979,ISO 4482-1979,ISO-7336-1984 Resistance to corrosion, Resistance against Abrasion Hydraulic Characteristics	Hydrous Magnesium Silicate $3MgO\ 2SiO_2\ 2H_2O$	Dadex Eternit Ltd., Dadex House, 34-A/1, Block-6, P.E.C.H.S. Shahrah-e-Faisal Karachi
381	415	68129900	Gaskets of asbestos	Asbestos	--	Asbestos + Calcium + Silicon	Sheikh Corporation, 52/3 Lytton Road, Lahore.
382	416	69021010	i) Chrome Magnesite Bricks	Chrome Magnesite Bricks	Open porosity (%):16 max , Apparent Density(gm / cm3):2.95 min., Cold Crushing Strength (kg/cm2):700 min, Temp. of Deformation :1500 ^{o}C, Under Load of 2Kgf/cm2 (^{o}C), ermal Shock Resistance at:2 thermal 1300 ^{o}C (Water Cooling) cycles min. Curvature (Bending Arrow):1 mm max Breakage of Angles :5 mm max Breakage of Ribs (sides):3 mm max	MgO (%) :50 min Cr_2O_3(%) :20 max SiO_2 (%) :03 max	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi
			ii) Refractory bricks, blocks, tile & similar refractory ceramic construction goods	High Alumina castable/refractory for temperature upto 1600 ˚C - High wear & Alkali resistant silicate refractory. - Megnesite Refractory - High Temperature Zircon Refractory.	--	--	1) Marshal Ceramics, PO Box.77, K.M.8.9, Lahore Side, G. T Road Gujranwala 2) General Refractories, Landhi Industrial Area, Karachi 3) Commander Ceramics, P.O. Box 514, G.T. Road, Km 11/12 Atawa, Gujranwala
383	417	69031000	Crucibles	--	--	--	1) Carborundum Crucibles Industries, 14-A Davis Road Lahore 2) Kundun Crucibles Industries, 14 KM, Sheikupura Road, Lahore 3) Asian Cruciibles Industries, 14 KM Sheikupura Road Lahore 4) Pakistan Crucible Industries, 14-A Davis Road Lahore
384	418	69032010	Cold tundish lining sets, slide gate refractory sets & nozzles	Cold Tundish Lining Nozzles Well-Block Slide Gate Plates	Loss on Ignition (%) :07 max, Bending Strength (kg / cm2):30 min, Humidity (%) :0.5 max, Bulk Density (gm/cm3): 1.15 min, 3.15 min, 2.60 min, 3.18 - 3.22 min Apparent Porosity(%):45 – 55, 16 max, 2.0 – 6.0, Refractoriness(ºC):1620 min Cold Crushing Strength (kg/cm2):900 min, 1000 - 1100 (Kg / cm2)	i) SiO_2 (%):90 min, Al_2O_3(%):02 max., CaO (%):02 max., MgO(%):01 max., Fe2O3 (%):01 max ii) Al2O3(%):95 min, Fe2O3(%):0.2 max iii) Al2O3(%): 93 min, K2O(%):0.5 max, Na2O(%) :0.1 max, Fe2O3(%):0.2 max iv) Al2O3(%):73 – 76, Carbon(%):05 – 07, ZrO2 (%):08 – 11	Bhanbhore Ceramics Industries, Plot DSU-18, Pakistan Steel Down Stream Industrial Estate, Bin Qasim Karachi
385	419	69072111	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited, 40-L, Model Town Ext. Lahore
386	420	69072119	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited, 40-L, Model Town Ext. Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
387	421	69072190	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore 8) Ghani Ceramics Limited, 40-L, Model Town Ext. Lahore
388	422	69072211	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
389	423	69072219	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
390	424	69072290	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
391	425	69072311	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
392	426	69072319	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
393	427	69072390	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
394	428	69073000	Tiles, cubes and similar articles, whether or not rectangular, the largest surface area of which is capable of being enclosed in a square the side of which is less than 7cm	All types of unglazed tiles, cubes and similar articles the side of which is less than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing.	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
395	429	69074000	All Types of Unglazed tiles, cubes and similar articles the side of which is more than 7cm or 2.755 inches	Unglazed tiles are just biscuit of tiles without any finishing process of glazing or polishing	--	--	1) Master Tiles & Ceramics Ind. Ltd., G.T. Road, Gujranwala 2) Shabbir Tiles & Ceramics Ltd., 15th Mile Stone, National Highway, Landhi, Karachi – 75120 3) Karam Ceramics Limited, B-C 6, Block – 5, Scheme – 5, Kehkashan, Clifton, Karachi 4) Sonex Tiles & Ceramics Ind. Ltd., 19-K.M.,Lahore Side, (Near Kamoke), G.T.Road, Gujranwala 5) Frontier Ceramics Ltd., 29-Industrial Estate, Jamrud Road, Peshawar. 6) Swat Ceramcis (Pvt) Ltd., Nowshehra 7) Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
~~397~~	430	70023910	i) USP type-I (Clear glassTubing)	Dia: 6.00 - 30.00 mm Wall thickness: 0.45/0.50 or on demand	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545 °C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
~~398~~			ii) USP type-I Amber Glass Tubing	Dia: 6.00 - 30.00 mm Wall thickness: 0.45/0.50 or on demand	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550 °C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	
New	431	70049000	Sheet Glass				Ghani Glass Limited 40-L, Model Town Ext., Lahore
New	432	70051000	Reflective Float Glass		LTV: 15% - 20% LTB: 20% - 25% LTV: 25% - 30%		Ghani Glass Limited 40-L, Model Town Ext., Lahore
New	433	70052100	Colour Float Glass (except for glass used in automotive vehicles)		LTV: 20% - 55% LTV: 35% - 50% LTV: 40% - 65% LTV: 50% - 70% LTV: 74% - 80%		Ghani Glass Limited 40-L, Model Town Ext., Lahore
New	434	70052900	Reflective Float Glass (except for glass used in automotive vehicles)		LTV: 79% - 91%		Ghani Glass Limited 40-L, Model Town Ext., Lahore
New	435	70071900	Toughened Safety Glass	2mm to 19mm			Ghani Value Glass Limited, 39 - L, Model Town Extn., Lahore
New	436	70072900	Laminated Safety Glass	6.38mm to 72mm			Ghani Value Glass Limited, 39 - L, Model Town Extn., Lahore
399	437	70080000	Insulation Glass, Double Glazed Glass	Multiple-walled insulating units of glass	Multiple-walled insulating units of glass	--	1) Harris Silicones & Glass (Pvt.) Ltd., Farooque Industrial Estate, Anam Road, 20km Ferozepur Road, Lahore 2) Ghani Value Glass Limited 39 - L, Model Town Extn., Lahore
New	438	70099200	Mirror Glass	1.8mm to 8mm			Ghani Value Glass Limited 39 - L, Model Town Extn., Lahore
400	439	70101000	i) Clear Ampoule Form:B Form:C Form:D	1 CC to 10 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.
			ii) Amber Ampoule Form:B Form:C Form:D	1 CC to 10 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
400	440	70109000	i) Clear Vial	1CC to 20 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.5 x$10^{-6}K^{-1}$ Transformation Temperature T:545°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....545 °C $10^{7.6}$ (softening point) .....750 °C 10^{4} (working point) ..... 1140 °C Density ρ at 25°C ..... 2.38 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	Ghani Global Glass Ltd., 10-N, Model Town, Lahore.
			ii) Amber Vial	1CC to 20 CC	Coefficient of mean linear thermal expansion α(20°C; 300°C) acc. to ISO 7991 : 5.6 . $10^{-6}K^{-1}$ Transformation Temperature T:550°C Glass temperature at viscosity Ƞ in dPa.s 10^{13} (annealing point).....560 °C $10^{7.6}$ (softening point) .....770 °C 10^{4} (working point) ..... 1165 °C Density ρ at 25°C ..... 2.45 gcm^{-3}	Hydrolytic resistance acc. to Ph. Eur. ..... Type I acc. to USP ..... Type I Acid resistance (DIN 12116) .....Class S 1 Alkali resistance (ISO 695).....Class A 2 The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm	
New			iii) Glass Bottles				Ghani Glass Limited 40-L, Model Town Ext., Lahore
401	441	70111000	Glass Shells 35 Dia, 60 Dia & 80 Dia	Glass Shell 15 W to 200 W	--	--	Crown Lighting (Pvt) Ltd., 483/E 1, Tariq road, Peshwar Cantt.
402	442	70196100	Woven Fabrics of glass fibre rovings	Fiberglass Products	--	--	Fibre Tech, 28-E,Safe way House, South Park Avenue, Phase 2,Ext DHA, Karachi
403	443	70196200	Woven Fabrics of glass fibre rovings	Fiberglass Products	--	--	Fibre Tech, 28-E,Safe way House, South Park Avenue, Phase 2,Ext DHA, Karachi
404	444	70199090	i) Glass Reinforced Epoxy (GRE) Pipes	ASTM D-2996, Length upto 40 ft., dia.upto 600mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	1) Bin Tariq (Pv.t) Ltd. Gate No. 1, Plot No. 621, Sundar Industrial Estate, Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
			ii) Fiber Glass Tank	In-house fabricated: ASTM D-4097-01, ASTM D-3299-00, dia: upto 4m, Length: 12m Field Erected: ASTM D-4097-01, ASTM D-3299-00, dia: upto 10m, Height: 12m	As per requirement	Food Grade, Chemical storage or As per Standard	
			iii) Disconnecting Sticks 12 ft	WAPDA Specification DDS-43:2008	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			iv) Glass Reinforced Epoxy (GRE) fittings, i.e. Elbow, Tee, Flange, Reducer & End Cap etc.	ASTM D-2996, Dia. upto 600mm, Pressure up to 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
			v) Fiber Glass Panel Tanks	ASTM D- 3299, ASTM D-4097, Min. Storage: 1000 Liters, Max. Storage: As per requirement	Feasible for colder & hotter environment (-10oC to +80oC) - No Algae Growth	Food Grade, Chemical storage	
			vi) Fiber Glass Manhole	ASTM D-3753, H-20, Length upto 12m, dia.upto 2m	As per requirement	Corrosion Resistant	
			vii) Fiber Glass Manhole covers	ASTM D-3753, H-20, Length upto 12m, dia. 400,500,600,900 mm	As per requirement	Corrosion Resistant	
			viii) Fiber Glass Rebars	ASTM D-7205, ASTM D7617, ASTM D-5117 Strength up to 60,000 psi, dia: 5mm-40mm	As per requirement	Corrosion Resistant	
			ix) Fiber Glass Grating (Molded & Pultruded)	Height from 25mm-60mm	As per requirement	Corrosion Resistant	
			x) Fiber Glass Disconnecting Stick/ Rod	DDS-43:2008, Insulated up to 90kV	As per Standard	As per Standard	
			xi) Tree Trimmer	PP-99	As per Standard	As per Standard	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
405	445	70200090	i) Glass Reinforced Polyester (GRP) Pipes	Length upto 40 ft., Dia. upto 4000mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines. ASTM, D-351704, D3262-04, D-3754-04	Food Grade/As per Standard	--	1) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 2) Bin Tariq (Pv.t) Ltd. Gate No. 1, Plot No. 621, Sundar Industrial Estate, Lahore. 3) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
			ii) Glass Reinforced Polyester (GRP) fittings, i.e. Elbow, Tee, Flange, Reducer & End Cap etc.	ASTM D-351704, D-3262-04, D-3754-04 Dia. upto 4000mm, Pressure upto 32 bars, used for Sewerage and drinking water & Chemical transfer lines.	As per Standard	As per Standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
New			iii) Appliance Glass Doors / Shelves, Kitchen Hobs (excluding curved shape)	2mm to 19mm			Ghani Value Glass Limited, 39 - L, Model Town Extn., Lahore
New			iv) Other articles of glass	Tempered & printed glass for use in Home Appliances including Refrigerator Glass Doors, Water Dispensers, Hobs, Geysers, Washing Machines, Kitchen Hoods, Table Tops, Air Conditioner, LED Panels, Refrigerator's glass shekves and others	Various glass processing including glass cutting, polishing. Drilling, Tempering, curving & Bending & printing		Harris Silicons & Glass (Pvt.) Ltd., Farooq Industrial Estate Anam Road, 20 Km Ferozpur Road, lahore.
406	446	72021100	Ferro Manganese High Carbon	Mn: 60% & above, C: 6-7%, Si: 3% max	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
407	447	72022100	Ferro Silicon	FeSi 75 Al 2 Si: 55% & above	Crystallized lumps of size 10-80mm + 10%	Silicon 72-80%, Aluminium 1-3%, Carbon 0.2% max, Phosphorus 0.05% max, Sulphur 0.04%	1) Al-Abbas Sugar Mills Ltd., 55 Km, Main National Highway, Dhabeji, Distt, Thatta 2) Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
408	448	72022900	Ferro Silicon	Si: 55% & above	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
409	449	72023000	Ferro Silicon Manganese (low Carbon/ High Carbon)	Mn: 60% & Above, C: 0.5 - 2% (Low Carbon) C: More than 2% (High Carbon)	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
410	450	72024100	Ferro Chrome	Cr: 55% min. C: 2% min.	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
411	451	72024900	Ferro Chrome	Cr: 55% min. C: 2% min.	--	--	Fine Steel, (Mughal Steel Group), 17 KM, Sheikhupura Road, Lahore
412	452	72044910	Re-rollable Scrap				Pakistan Ship Breakers Association, M-1 Mezzanine Floor, Horizon Tower, P/No. 2/6, Commercial Block 3, Sch No. 5, Near Bilawal House Clifton Karachi.
413	453	72044990	Re-meltable Scrap	H.M.S. 1 & 2			Pakistan Ship Breakers Association, M-1 Mezzanine Floor, Horizon Tower, P/No. 2/6, Commercial Block 3, Sch No. 5, Near Bilawal House Clifton Karachi.
414	454	72045000	Ingots, from remelting scrap of iron or steel	Ms Billets Graded and Non Graded Type: Conteneous closed casted on high frequency induction furnaces. Size: 4" width x 4" hight x 12" length Specs: Being used in all sorts of steel structural products.	--	--	1) Khawaja Steels, 4 KM, Dewan Road, Eminabad, Gujranwala 2) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
415	455	72061000	Ingots for re-rolling / Steel Ingots of Iron and non alloy steel in primary forms (excluding iron of heading 72.03)	Size 50X50 to 15X150mm Forgeable ingots in carbon steel upto 50 tons weight Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 4) Pakistan Association of Large Steel Producers
416	456	72069000	Steel Ingots of Iron and non alloy steel in primary forms (excluding iron of heading 72.03)	Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Standards:JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,
			Cast iron	Casting upto 28 tons (single plece) Steel (low alloyed) casting upto 32 tons (single piece)	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 3) Pakistan Association of Large Steel Producers

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			i) Ingots and Billets of plain carbon steel, spring steels alloys for re-rolling. ii) Forgable Ingots of plain carbon steel iii) Semi-finished products of iron & non-alloy steel	50mm x 50mm to 150mm x 150mm Upto 50 tons weight (single piece) Ingots upto 9000 Kg weight cast in mould/ESR processed.	Structual Steel Billets, Reinforcment Bar Steel Billets, Wire Rod Steel Billetsa, Cold Heading Steel Billets, Baling Hoops Steel Billets, Spring Steel Billets, Electrode Steel Billets, Seam-Less Steel Tubes & |Pipes	--	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,
417	457	72071110	Concast billets	Concast billets of square upto 150mm Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 4) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 5) Pakistan Association of Large Steel Producers,
418	458	72071190	Con. Cast billet, square	Con Cast (CC Billet), Square : 110, 125 & 150 mm. Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,
419	459	72071210	Con cast billet, Round	Con Cast (CC Billet), Round : Ø110 mm. Length : 4000 - 1200 mm	Cont cast billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Pakistan Association of Large Steel Producers,
			Structural steel billet for reinforcement steel bars	Sizez: 100mmx100mm, 120mm x 120mm and 150mmx150mm ASTM A-615 & BS 4449	--	Carbon (C) 0.200-0.250; Manganese (Mn) 1.250, Phosphorus (P) 0.00; Silicon (Si) 0.300; Sulphur (S) 0.002	1) S.H.Steel Re Rolling Mills, Plot 50, St 12 I-9 Industrial Area Islamabad 2) Pakistan Association of Large Steel Producers,
420	460	72071910	Con. Cast Bloom	Con Cast (CC Bloom), Square : 230 mm. Length : 4000 - 1200 mm	Cont cast bloom as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) All Steel Memters
421	461	72071920	Steel Billets	Con Cast (CC Billet), Square : 110, 125 &150 mm. Round : Ø110 mm, Length : 4000 - 1200 mm., Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers
422	462	72071990	Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm, Length : 4000 - 1200 mm., Hot rolled billet Square : 75, 80, 90, 100, 130 mm, Length : 4000 - 6000 mm Concast and hot rolled/square upto 150 x 150 mm and round upto 150 mm dia forged upto 200 mm rolling section.	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers
423	463	72072010	Con. Cast Bloom	Con Cast (CC Bloom), Square : 230 mm. Length : 4000 - 1200 mm	Cont cast bloom as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) All Steel Memters
424	464	72072020	Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm Length : 4000 - 1200 mm. Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers
425	465	72072090	i) Steel Billets	Con Cast (CC Billet) Square : 110, 125 &150 mm. Round : Ø110 mm Length : 4000 - 1200 mm. Hot rolled billet Square : 75, 80, 90, 100, 130 mm Length : 4000 - 6000 mm	Cont cast & rolled billet as per international standard.		1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi, 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi, 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-Azam Inter Change, Lahore 5) Pakistan Association of Large Steel Producers
New			ii) Reinforced Steel Bars	Grade-60, Grade-80 Sizes: No. 3 or 11 mm, No. 4 or 12 mm, No. 5 or 16 mm, No. 6 or 19 mm, No. 7 or 22 mm, No. 8 or 25 mm, No. 9 or 29mm, No. 10/32mm, No. 11/36mm, No. 12/ 40mm A-615, A-706 and as per ASTM	Yeild Strength: 60,000 psi, Tensile Strength: 90,000 psi	As per ASTM	Frontier Foundry (FF) Steel Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
426	466	72091510	Cold Rolled Coils Of a thickness 3 mm or more	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles), A 568/ A568M	Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	As per JIS G 3141 specified steel grades, ASTM A568/ A568M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi 3) BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
427	467	72091590	Cold Rolled Coils Of a thickness 3 mm or more	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles), A 568/ A568M	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	As per JIS G 3141 specified steel grades, ASTM A568/ A568M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi 3) BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
428	468	72091610	i) Cold Rolled Coils Of a thickness exceeding 1 mm but less than 3 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of a thickness exceeding 1 mm but less than 3 mm	Cold Rolled, Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
429	469	72091690	i) Cold Rolled Coils Of a thickness exceeding 1 mm but less than 3 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of a thickness exceeding 1 mm but less than 3 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008		BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
430	470	72091710	i) Cold Rolled CoilsOf a thickness of 0.5 mm or more but not exceeding 1 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of a thickness 0.5 mm or more but not exceeding 1 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008	As per JIS G-3141, ASTM A-1008	BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
431	471	72091790	i) Cold Rolled Coils Of a thickness of 0.5 mm or more but not exceeding 1 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of a thickness 0.5 mm or more but not exceeding 1 mm	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008		BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
432	472	72091810	i) Cold Rolled Coils Of thickness of less than 0.5 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
433	473	72091899	i) Cold Rolled Coils Of thickness of less than 0.5 mm:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
434	474	72092510	Cold Rolled of a thickness of 3mm or more (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
435	475	72092590	Cold Rolled of a thickness of 3mm or more (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
436	476	72092610	i) Cold Rolled Of a thickness of exceeding 1 mm but less than 3 mm: (Not in Coils	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
437	477	72092690	i) Cold Rolled Of a thickness of exceeding 1 mm but less than 3 mm: (Not in Coils	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness exceeding 1mm but less than 3mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
438	478	72092710	i) Cold Rolled Of thickness of 0.5 mm or more but not exceeding 1 mm: (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
439	479	72092790	i) Cold Rolled Of thickness of 0.5 mm or more but not exceeding 1 mm: (Not in Coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of a thickness 0.5mm or more but not exceeding 1mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
440	480	72092810	i) Cold Rolled Of thickness of less than 0.5 mm: (Not in coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
441	481	72092890	i) Cold Rolled Of thickness of less than 0.5 mm: (Not in coils)	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008(excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e.	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled (Not in Coils)	Cold Rolled Coils of thickness of less than 0.5mm JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
442	482	72099010	i) Cold Rolled Coils Of 3 mm and above:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness 3mm or more JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of 3 mm or above	Cold Rolled Coils as per JIS G-3141, STM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008		BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
443	483	72099090	i) Cold Rolled Coils Of 3 mm and above:	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
			ii) Cold Rolled Coils (CRC)	Cold Rolled Coils of thickness 3mm or more JIS G 3141 / ASTM A 1008, A 568/ A568M [Excluding SPCE grade and other auto grades]	Mechanical Properties as per JIS G 3141, ASTM A 1008 specifications, Dimensional tolerances as per JIS G 3141, ASTM A 568/ A 568M	Chemical composition as per JIS G 3141, ASTM A568/ A568M	Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
			iii) Cold Rolled Coils of 3 mm or above	Cold Rolled Coils as per JIS G-3141, ASTM A-1008 [Excluding SPCE grade and other auto grades]	As per JIS G-3141, ASTM A-1008		BBJ Steel Limited, 4th Floor, BBJ House, 40 Abbot Road, Lahore.
444	484	72101210	Electrolytic Tin Plate	Tin plates, of types: - SRT1 to SR T5, having thickness 0.14 mm to 0.48 mm and width up to 965 mm - DR 8 to DR 10, having a thickness of 0.13 mm to 0.4 mm and width upto 965 mm Conforming to European Standards EN 10002-1-1990 & EN 10203 – 1-1991	--	--	Siddiqsons Tin Plate Limited, D-53, Textile Avenue, S.I.T.E., Karachi – 75700
445	485	72101290	Electrolytic Tin Plate	Tin plates, of types: - SRT1 to SR T5, having thickness 0.14 mm to 0.48 mm and width up to 965 mm - DR 8 to DR 10, having a thickness of 0.13 mm to 0.4 mm and width upto 965 mm Conforming to European Standards EN 10002-1-1990 & EN 10203 – 1-1991	--	--	Siddiqsons Tin Plate Limited, D-53, Textile Avenue, S.I.T.E., Karachi – 75700
446	486	72104110	Corrugated	Hot Dip Zinc Coated Corrugated Sheets As per all International Standards	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
447	487	72104190	Corrugated	Hot Dip Zinc Coated Corrugated Sheets As per all International Standards	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
448	488	72104910	Galvanized Steel	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	Mechanical Properties as per JIS G 3302, ASTM A 653/ A653M specifications, Dimensional tolerances as per JIS G 3302, ASTM A 924/ A924M	Chemical composition as per JIS G 3302, ASTM A 653 / A 653M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
449	489	72104990	Galvanized Steel	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	Mechanical Properties as per JIS G 3302, ASTM A 653/ A653M specifications, Dimensional tolerances as per JIS G 3302, ASTM A 924/ A924M	Chemical composition as per JIS G 3302, ASTM A 653 / A 653M	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
450	490	72107020	Color Coated	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
451	491	72107090	Color Coated	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
452	492	72109010	Other	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
453	493	72109090	Other	Continuously organic coated (color coated) steel flat products including Color Coated Corrugated, As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
454	494	72111310	Steel sheets & plates (Hot rolled)	Width : 950 mm - 1500 mm Length : Up to 3000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
455	495	72111390	Steel sheets & plates (Hot rolled)	Width : 950 mm - 1500 mm Length : Up to 3000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
456	496	72111410	Steel plates & sheets (Hot rolled)	Width : 1500 mm (max.) Length : Up to 12000 mm, depending upon thickness & width	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
457	497	72111490	Steel plates & sheets (Hot rolled)	Width : 1500 mm (max.) Length : Up to 12000 mm, depending upon thickness & width	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
458	498	72111990	Iron or Steel Strips	CR steel strips thickness range: 04 to 2.8mm sizes: available in all types and sizes	--	--	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
459	499	72111920	Cold Rolled Steel strips of thickness exceeding 0.5mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles) As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 3) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
460	500	72111990	Cold Rolled Steel strips of thickness exceeding 0.5mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles) As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi
New	501	72112920	Cold rolled steel strips of thickness below 0.5 mm and width upto 100 mm	Cold Rolled Carbon Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
461	502	72121000	Flat Rolled Products - Electrolytically plated or coated with zinc	Barrages,Sugar industry,cement plants and other industries.	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
462	503	72123010	Galvanized Steel Strips of a width less than 600 mm	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
463	504	72123090	Galvanized Steel Strips of a width less than 600 mm	Hot Dip Zinc Coated Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
464	505	72125010	Color Steel Strips of a width less than 600 mm	Continuously organic coated (color coated), steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
465	506	72125090	Color Steel Strips of a width less than 600 mm	Continuously organic coated (color coated), steel flat products including Color Coated Corrugated As per EN10169, JIS G-3312, ASTM A-755	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
466	507	72126090	i) M.S. Flat Bar (Hot Rolled)	Range 32 to 300mm Length = 6 to 12 Mtr.	ASTM A-36, SR-24, AISI-1010 and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.
			ii) Gilding Metal Clad Steel	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm-05 mm thick, in coils/sheets	Steel sheet core with 10% cladding of copper 99.9%	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
467	508	72131010	M.S. Bars, Deformed Bar & Tor Bar (Hot Rolled)	Range 25 to 60mm Length = 6 to 12 Mtr.	ASTM-615, ASTM A-36, SR-24, G-60 & 40 and as per Pakistan Steel and Peoples Steel Mills Standard. Yield Strength 73,000 psi Tensile Strength 94,000 psi Elongation in 8 inches 17%	As Per Standard/ Carbon = 0.27% Sulfur = 0.015% Magnese = 0.98% Phosphorus = 0.023% Silicon = 0.24%	1) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi. 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi, 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers 7) Faizan Steel,B-37/B-69, S.I.T.E., Karachi
468	509	72131090	i) Hot Rolled Deformed Bars of Iron or non-alloy steel	BSS-4461-1969, BSS 4449-2005, ASTM-A36-75, ASTM-615-76a (1977)	As per standard	As per standard	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 6) Pakistan Association of Large Steel Producers
			ii) Hot Rolled Deformed Bars of Iron or non-alloy steel	Hot Rolled; Diameter : 18 - 60 mm Length : 4000 - 8000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Pakistan Association of Large Steel Producers
			iii) Hot Rolled Deformed Bars of Iron or non-alloy steel	ASTM grade 60, BS4449, DIN 488	ASTM grade 60, Tensile Strength 450N/mm sq, Yield Strength 680N/mm sq	C> 0.32%, Mn >1.3%,	1) Dost Steels (Pvt) Ltd., 101 Chapal Plaza, Hasrat Mohani Road, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-e-Azam Inter Change, Lahore 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 5) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 6) Pakistan Association of Large Steel Producers
			iv) Hot Rolled Bars and rods in irregularly wound coils of iron or non-alloy steel	Coils of deformed steel. Dia. > 5.5 mm and <12 mm. weight >75 kg. Standard: JIG G 3506-80, ASTM A 615-82 (Containing indentations, ribs, grooves or other deformations produced during the rolling process)	longation greater then 20 %. Yield strength greater 30,000 psi.	C: 0.05 % to 0.50 % Mn: 0.30 % to 0.90 % Si: 0.04 % to 0.40 % P: greater than 0.03 % S: greater than 0.03 %	1) Frontier Foundry (Pvt) Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 4) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 5) Pakistan Association of Large Steel Producers,

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			v) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
			vi) Deformed Steel Bars	ASTM-706 Grade - 60	Yield Strength min 70,000 psi Yield Strength max 75,000 psi Tensile Strength 94,000 psi Elongation in 8 inches 19%	Carbon = 0.25% Sulfur = 0.035% Magnese = 1.25% Phosphorus = 0.023% Silicon = 0.24%	Faizan Steel,B-37/B-69, S.I.T.E., Karachi
			vii) Deformed Steel Bars	BS-4449 Grade - B 500 C	Yield Strength 72,500 psi Tensile Strength 95,000 psi Elongation in 8 inches 12% - 15%	Carbon = 0.24%, Sulfur = 0.055%, Magnese = 1.25%, Phosphorus = 0.023%, Silicon = 0.24%, Copper = 0.82%, Nitrogen = 0.013%	Faizan Steel,B-37/B-69, S.I.T.E., Karachi
469	510	72132010	Hot Rolled Bars & Rods of Non-Alloyed (Low/Plain Carbon) Steel (Irregular Wound Coils)	6.4 mm to 300mm Length = 6 to 12 Mtr.	ASTM A-36, SR-24, AISI-1010 and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
470	511	72132090	i) Hot Rolled Bars & Rods of Non-Alloyed (Low/Plain Carbon) Steel (Irregular Wound Coils)	6.4 mm to 60 mm dia	--	--	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers
			ii) Hot Rolled Bars and rods in irregularly wound coils of iron or non-alloy steel (Other, of free cutting steel)	Steel wire-rod (with no indentation or ribs). Diameter of greater than 5.5 mm and less 12 mm. Coil weight of greater than 75 kg. Standard: JIG G 3506-80, ASTM A 615-82 SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	Elongation greater then 20 %. Yield strength greater 30,000 psi.	C: 0.05 % to 0.50 % Mn: 0.30 % to 0.90 % Si: 0.04 % to 0.40 % P: greater than 0.03 % S: greater than 0.03 %	1) Frontier Foundry (Pvt) Ltd., Plot No. 166, Road B-7, Hayatabad Industrial Estate, Peshawar 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad 5) Pakistan Association of Large Steel Producers
471	512	72139110	Steel Wire Rod	5.5mm to 12 mm SWRH 42A to 42 B, Medium Carbon ASTM. JIS, All International Spec's	Plain Round	SWRH 42 A to 42 B C% = 0.39/0.46, Mn% = 0.40/0.80, P% Max = 0.030, S % Max = 0.030, Si% = 015/0.30	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
472	513	72139191	Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
473	514	72139199	Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
474	515	72139990	i) Steel Wire Rod	5.5mm to 12 mm SWRH 42A to 42 B, Medium Carbon ASTM. JIS, All International Spec's	Plain Round	SWRH 42 A to 42 B C% = 0.39/0.46, Mn% = 0.40/0.80, P% Max = 0.030, S % Max = 0.030, Si% = 015/0.30	1) Sandal Bar Rolling Mills (Pvt) Ltd., 1st Floor 48 Nishtar Road, Lahore 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
			ii) Hot Rolled (Non-Alloyed) Steel Wire Rod (irregular wound coils), circular cross section measuring 5.5mm to 20mm in diameter.	SAE 1006, SAE 1008, SAE 1010, SAE 1015, SAE 1020, SAE 1025, EWNR, EH10K, ER70SG, EA2, SAE 1030, SAE 1038, SAE 1040	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
475	516	72141010	i) Bars, iron or non alloy steel, forged, hot-rolled	Press forging: Shafts:Dia 700 mm(max.), Disc dia:1500 mm(Max), Length:8000 mm(max.) Weight:12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30-150 mm & width 60-180 mm, Length 4000-6000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
476	517	72141090	i) Bars, iron or non alloy steel, forged, hot-rolled	Press forging: Shafts:Dia 700 mm(max.), Disc dia:1500 mm(Max), Length:8000 mm(max.) Weight:12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30-150 mm & width 60-180 mm, Length 4000-6000 mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
			ii) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
477	518	72142010	i) Steel Bars	Grade 60 5.5mm to 32mm ASTM. JIS, All International Spec's	Plain Round, Deform Bars & Twisted	Grade 60 C% = 0.28/0.33, Mn% = 1.15/1.35, P% Max = 0.045, S % Max = 0.045, Si% = 0.35 max, (C+Mn)/6% = 0.47/0.55	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
			ii) Hot rolled, deformed bars	Hot Rolled; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
			iii) Rolled Profiles	Containing indentation ribs, grooves or Others deformations produced during the rolling process or twisted after rolling, 6.4 mm to 60 mm dia	--	--	1) Shalimar Steel, Karachi 2) Razzaque Steel (Pvt) Ltd.Karachi 3) Amreli Steels (Pvt) Ltd., D - 89, Shershah Road SITE, Karachi 4) New Shalimar Steel, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
478	519	72142090	i) Hot rolled, deformed bars	Hot Rolled; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
			ii) Rolled Profiles	Containing indentation ribs, grooves or Others deformations produced during the rolling process or twisted after rolling, 6.4 mm to 60 mm dia	--	--	1) Shalimar Steel, Karachi 2) Razzaque Steel (Pvt) Ltd.Karachi 3) Amreli Steels (Pvt) Ltd., D - 89, Shershah Road SITE, Karachi 4) New Shalimar Steel, Karachi 5) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
479	520	72143010	i) Steel Bars and Rods	Free cutting steel, 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
			ii) Bars of free-cutting steel, hot-rolled, forged	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
480	521	72143090	i) Steel Bars and Rods	Free cutting steel, 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
			ii) Bars of free-cutting steel, hot-rolled, forged	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi
481	522	72149110	i) Steel Bars and Rods	Rectangular (other than square) Cross Section 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Steel Flat Bars	Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi
482	523	72149190	i) Steel Flat Bars	Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi
			ii) Steel Bars and Rods	Rectangular (other than square) Cross Section 6.4 mm to 60 mm dia	--	--	1) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 2) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 3) Fazal Steel (PVT.) Limited, Plot No. 418-421 Industrial Area, I-9, Islamabad
483	524	72151010	i) Bars and Rods	5.5 mm to 12 mm in coils	--	--	1) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 2) Pakistan Association of Large Steel Producers
			ii) Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
484	525	72151090	Bars and Rods	5.5 mm to 12 mm in coils Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	--	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
485	526	72155010	Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers. See Annex-I	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
486	527	72155090	Bars of free-cutting & other alloy steel, cold-formed/ finished	Cold drawn bars; Diameter : 12 - 80 mm, Length : 4000 - 6000mm	Black surface	All type of carbon steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
487	528	72159010	Bars and rods of iron or non- alloy steel	As per Standard	As per Standard	As per Standard	1) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd. D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers
488	529	72159090	Bars and rods of iron or non- alloy steel	As per Standard	As per Standard	As per Standard	1) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 2) Horizon Steel (Pvt) Ltd. D-93, Block-4, Kehkshan, Clifton, Karachi 3) Pakistan Association of Large Steel Producers
489	530	72161000	Steel Sections (U, I or H) not further worked than hot- rolled, hot- drawn or extruded, of a height of less than 80 mm	- Thickness upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm^2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm^2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Model Steel Enterprises (Pvt) Ltd., 15-KM, G.T. Road, New Momanpura, Darogawala, Near Quaid-e-Azam Inter Change, Lahore 4) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 5) Pakistan Association of Large Steel Producers
490	531	72162100	L sections, not further worked than hot-rolled, hot drawn or extruded, of a height of less than 80mm	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
491	532	72162200	T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of less than 80mm	Range 50 x 50 to 150 x 150mm Length = 6 to 12 Mtr.	(ASTM A-36, SR-24, A572, SRJ 275) and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.
492	533	72163110	U sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	U sections of a height exceeding 150mm Size: 304mm x 100mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore
493	534	72163190	U sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	U sections of a height above 80mm upto 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore
494	535	72163210	I sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	I sections of a height exceeding 200mm Size: 457mm x 175mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore
495	536	72163290	I sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	Range 100 x 50 to 300 x 150mm Length = 6 to 12 Mtr.	(ASTM A-36, SR-24, A572, SRJ 275) and as per Pakistan Steel and Peoples Steel Mills Standard.	As Per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore
496	537	72163310	H sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	H sections of a height exceeding 250mm Size: 254mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore
497	538	72163390	H sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	As per BSS-4461-1969, ASTM A-36, SR-24, A572, SRJ 275, ASTM-A36-75, ASTM-615-76a (1977) Range 100 x 100 to 200 x 200mm Length = 6 to 12 Mtr.	as per Pakistan Steel and Peoples Steel Mills Standard.	As per Standard	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre 4) Jabbar Steel Industry, A-46/C S.I.T.E Near Pakistan Cable Karachi.
498	539	72164010	L or T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	of a height exceeding 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre
499	540	72164090	L or T sections, not further worked than hot-rolled, hot drawn or extruded, of a height of 80mm or more	of a height above 80mm upto 150mm	(ASTM A-36, SR-24, A572, SRJ 275)	--	1) Ishtiaq Steel Industry, 43-B PECO Road Badami Bagh Lahore. 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Laotre
500	541	72165000	Steel Sections	- Th. upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	--	--	1) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 2) Pakistan Association of Large Steel Producers
501	542	72169100	Steel Sections	- Th. upto 12 mm (for HR materials), length upto 12 m Blank width 100-600 mm UTS = 275 N/mm2 Excl. those conforming to ASTM A-572 or equivalent. (Blank width 100 to 600 mm and UTS upto 65 Kg/mm2) Th. upto 10 mm & size 250 x 250 mm Th. upto 10 mm and size upto 40 x 250 mm Upto IPN 450, Upto 450 x 450	--	--	1) Batala Steel, Near Kot Abdul Malik Motorway Interchange, Lahore Sheikhupura Road, Lahore 2) Pakistan Association of Large Steel Producers
502	543	72171000	i) Wire, Iron or non-alloy steel, not plated or coated,	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	As per Standard	As per Standard	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Wire for wheel spoke and wire for wheel nipple for two wheelers	AISI 12L14, YBT 5005-93, BS 2453, IS 6902	As per specs	As per specs	1) Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore
			iii) Spring wire for front shocks, rear shocks for two wheelers, spring wire for mattress, spring wire for clutch spring and other applications.	JIS G 3522, GB 4357, SWRH 65Mn, A 407, JIS G 3521, A 227/A 227 M ASTM, DIN 17223, DIN EN 10132	As per specs	As per specs	
			iv) Casing wire of Inner Strand Core for Clutch, Brakes, Throttle cables v) Phosphorized Steel Wire for Optical Fiber Cable, vi) Steel Fiber Wire for Steel Fiber Reinforce Concrete Slab	JISG3521, Q/320601, EA 11-1998 JIS 3521, 05/30(35), 06/30(35), 07/30(35) 07/40/(45), 10/40(50)	As per standard	As per standard	Pakistan Wire Industries E-51, Textile Avenue, SITE, Karachi
503	544	72172000	i) Zinc or Zinc Alloy Coated Wire for armouring of power cables/ Zinc Coated Steel Wire for ACSR/ Galvanized Wire	BS EN10257-1, ASTM A-164, ASTM B633, ASTM A121, ASTM B498, BS 4565, BS 3533	As per Standard	As per Standard	Pakistan Wire Industries E-51, Textile Avenue, SITE, Karachi
			ii) Galvanized Carbon Steel Wire For Communication Cable and Optical Fiber Cable, Galvanized Wire For Reinforce Hose/Pipes	GB 346-84 GB3082-84 JIS 3521	As per standard	As per standard	
New			iii) Electrogalvanized wire/ Hot dipped galvanized wire (soft/hard) for stranded inner wire, inner wire rope, netting, fencing, stitching and other applications	BS EN10257-1, ASTM A-164, ASTM B633, ASTM A121, ASTM B498, BS 4565, BS 3533 and other relevant specifications	As per standard	As per standard	
504	545	72181000	Ingots & Billets in primary forms, stainless steel	Highly refined bottom poured ingots in flat rectangular, round and square sections. Weight : 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc.	Air cooled, stress relieved or annealed, bottom poured ingots	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
505	546	72189100	i) Stainless Steel Ingots	Ingots and other primary forms - Of rectangular (other than square cross section)	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore
			ii) ESR Steel Ingots	M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length:3000 mm(max.), Weight:9000 Kg. (max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
506	547	72189900	ESR Steel Ingots	M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length : 3000 mm (max.), Weight : 9000 Kg. (max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
507	548	72191100	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
508	549	72191200	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
509	550	72192100	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
510	551	72192200	i) Flat Rolled plates of stainless steel	Thickness upto 10 mm, width upto 700 mm and length upto 3 M (Although thicker plates, flats upto 60 mm are also made in non standard sizes) Conforming to all grades of AISI 300 & 400 series and equivalent	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
511	552	72192310	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
512	553	72192390	i) Sheets of stainless steel	0.35-6 mm thick, width upto .75 M and length upto 3 M.	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore
			ii) Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
513	554	72193100	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
514	555	72193210	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
515	556	72193290	Flat-rolled product, stainless steel	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
516	557	72193310	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
517	558	72193390	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
518	559	72193410	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
519	560	72193490	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
520	561	72193510	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
521	562	72193590	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
522	563	72199010	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
523	564	72199090	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
524	565	72201290	Strips of stainless steel.	1-6 mm thick, width 200 mm	--	--	Mughal Steel, 77 K.M. Sheikhupura Road, Lahore
525	566	72202010	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
526	567	72202090	Flat Cold Rolled Products of Stainless Steel Sheet & Coil	Width 500mm to 750mm of thickness 0.5mm to 4.75mm	Cold Rolled	Pure stainless steel	AHN Steel (Pvt) Ltd., 10-Abbot Road, Lahore
527	568	72221100	Steel Round Bars	Diameter : 18 - 130 mm, Length 4000 - 6000mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
528	569	72221900	Bars of stainless steel, hot-rolled	- Of circular cross section - Bars & rods, not further worked than cold formed or cold finished Flat Bars: Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm - Other bars & rods Dia 20 mm and above	--	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Mughal Steel, 77 K.M. Sheikhupura Road, Lahore 2) G.M. Steel, Lahore 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
529	570	72222000	Cold draw stainless steel bars	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Bright surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
530	571	72241000	Ingots	Highly refined cast ingots and billets in flat rectangular, round and square sections. Weight ranging from 500kg to 14,000kg. Manufactured as per international quality standards like JIS, Bohler, AISI, DIN, Chinese etc	Air cooled, stress relieved or annealed, bottom poured ingots	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
531	572	72249000	ESR steel ingots	ESR Ingots: M-300/400/600/750 Diameter 315, 395, 595, 720 mm Length:3000 mm(max.), Weight:9000 Kg.(max.)	Air cooled, stress relieved or annealed	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
532	573	72253000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
533	574	72254000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
534	575	72255000	Cold Rolled of a width of 600 mm or more	Cold Rolled Alloy Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
535	576	72259200	Galvanized Steel	Hot Dip Zinc Coated Alloy Steel Sheets, Strips and Coils As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
536	577	72259900	Other / Color Coated Alloy Steel	Hot Dip Zinc Color Coated Alloy Steel Sheets, Strips and Coils, As per JIS G-3302, ASTM A-653	--	--	International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi
537	578	72262000	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
538	579	72269100	Plates & Sheets (Hot rolled)	Plates (Hot rolled): Th.:10 mm (min.), Width:1500 mm(max.), Length;4000-6000 mm Sheets (Hot rolled):Th.:3 mm(max.), Width:950 mm (max.), Length:3000 mm(max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
539	580	72269200	Cold Rolled of less than 600mm	Cold Rolled Alloy Steel Sheets, Strips and Coils - As per JIS G-3141, ASTM A-1008 (excluding Bake Hardening Steel grade used in manufacturing of outer skin of the automobiles)	Mechanical Properties i.e. Yield Point, tensile strength & elongation, Bendability & Hardness as per JIS G 3141, ASTM A-1008 specification or equivalent	Chemical composition as per JIS G 3141 specified steel grades	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
540	581	72269900	i) Plates & Sheets (Hot rolled)	Plate: Th:10 mm (min.), Width:1500 mm(max.), Length:4000-6000 mm Sheets:Th. 3 mm(max.), Width:950 mm(max.), Length : 3000 mm (max.)	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
			ii) Galvanized Steel of less than 600mm	Hot Dip Zinc Coated Alloy Steel Sheets, Strips and Coils, As per JIS G-3302, ASTM A-653	--	--	1) International Steel Ltd., 399-404, Rehri Road, Landhi, Karachi 2) Aisha Steel Mills Ltd., DSU-45, Pakistan Steel, Down Stream Industrial Estate, Bin Qasim. Karachi
541	582	72279010	Hot Rolled Bars of alloy steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977) / SAE 1006CR, SAE 1008CR, SAE 1010CR, SAE 1015CR, SAE 1020CR, SAE 1025CR, SAE 1030CR, SAE 1038CR, SAE 1040CR	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers
542	583	72279090	Hot Rolled Bars of alloy steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977) / SAE 1006CR, SAE 1008CR, SAE 1010CR, SAE 1015CR SAE 1020CR, SAE 1025CR, SAE 1030CR, SAE 1038CR, SAE 1040CR	As per SAE, AISI, ASTM, EN and other International Standards	As per SAE, AISI, ASTM, EN and other International Standards	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi 4) Pakistan Association of Large Steel Producers

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
543	584	72281000	High-speed steel, Forged	Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30 - 150 mm & width 60 - 180 mm, Length 4000 - 6000 mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
544	585	72282010	Silico-manganese steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of stainless steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
545	586	72282090	Silico-manganese steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
546	587	72283010	Case hardening steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm	Black surface, See Annex-II	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
547	588	72283090	Other alloy steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
548	589	72284000	Alloy steel, Forged bars	Press forging: Shafts : Dia 700 mm (max.) Disc dia : 1500 mm (Max) Length : 8000 mm (max.) Weight : 12 mt. Radial Forging: Square, Round, & Varying section profile, axles of cross section 60 mm to 200 mm and flat 30 - 150 mm & width 60 - 180 mm, Length 4000 - 6000 mm	Black surface/ Machined	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
549	590	72285000	Alloy steel, Cold drawn bars	Cold drawn bars; Diameter : 12 - 80 mm Length : 4000 - 6000mm	Bright surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
550	591	72286000	Other alloy steel, Hot rolled bars	Hot Rolled Bars; Diameter : 18 - 130 mm Length : 4000 - 6000mm Flat Bars Size : 6 x 40 mm - 20 x 110 mm Length 4000 - 6000mm	Black surface	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	1) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi 2) Amreli Steels Ltd., D/89, Shershah Road, SITE, Karachi 3) Agha Steel Industries, Plot No. NWIZ/I/P-133(SP-6) D-2, Port Qasim Authority, Karachi 4) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
551	592	72287000	Alloy Steel Angles	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	As per Standard	As per Standard	Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi
552	593	72299000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	1) Bead Tech (Pvt) Ltd. 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore 2) ASG Metals Ltd., EIZ/ LL/SP-08, Eastern, Industrial Zone, Port Qasim Authority, Karachi 3) Horizon Steel (Pvt) Ltd., D-93, Block-4, Kehkshan, Clifton, Karachi
553	594	73012000	i) Stay Strip for Pcc Poles	WAPDA Specification, DP-PD-52	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			ii) Stay Rod	WAPDA Specification, DDS-29:2008	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			iii) Earth Rod	WAPDA Specification, P-111-76	--	--	
			iv) D-Shackle	WAPDA Specification, PD:68	--	--	
			v) Single/Double Structure Plateform	WAPDA Specification, DDS:48:2008	--	--	
			vi) 11 Kv Streel Cross Arm with Braces	WAPDA Specification, DDS-13:2008	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			vii) 11 Kv Streel Cross for D-Mounting Fitting	WAPDA Specification, DDS-68:2004	--	--	
554	595	73024000	Fish-plates, iron or steel	Fish Plates for Railways	Fish Plate Combination, Joggled Fish Plate, Slotted Fish Plates and Fish Plate bolts and nuts etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi
555	596	73030000	Cast Iron and Ductile Pipes	B.S.S 2035 for cast iron and I.S.O 2531 for ductile Iron Pipes [Excluding ASTM Standard Pipes]	Cast Iron and Ductile Iron	Grade 14 Mechanite Type GD and NF A 38-012	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore
556	597	73041100	Line Pipe for oil or gas pipelines (Stainless Steel)	Seamless Steel Line Pipes of All Kind used for Oil & Gas Pipelines with or with out 3 layer Polyethylene /polypropylene / Fusion Bond Coating. Specification: API 9 Cr, API 13 Cr. Sizes: 0.405" to 10.750" Wall Thickness: 1.73mm to 15.9mm Length: SRL & DRL (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
557	598	73041900	Seamless Steel Line Pipes (unthreaded)	Seamless Steel Line Pipes of All Kind used for Oil & Gas Pipelines with or with out 3 layer Polyethylene /polypropylene / Fusion Bond Coating. Specification: API 5L All Grades Sizes: 1/8 Inch to 10 Inch Nominal Dia. (Including internally and externally coated pipes from 2 Inch Dia to 100 Inch Dia)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
558	599	73042900	Seamless Pipes (unthreaded)	Casing & Tubing of a kind used in Drilling for Oil & Gas. Specification: API 5 CT All Grades Sizes:1/8 inch to 10 inch nominal dia. (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
559	600	73043100	Pipes, Iron or non-alloy steel (unthreaded)	Seamless Steel Pipes / Tubes of other cross-section, of iron or non-alloy steel. Specification : ASTM A 53 / ASTM A 106 , ASTM A 192, ASTM A 199, ASTM A 210, ASTM A 213, ASTM A 519, DIN 2391, DIN 2440, DIN 2441,DIN 2448, DIN 1629, DIN 1630, DIN 17173 / 2448, DIN 17175 / 2448 JIS G 3464, JIS G 3444, BS – 1387. BS 3059, BS, 3059/2, BS 1775, BS 6323, NFA 49 – 112, NFA 49 – 1445, NFA 49-211 UNI 8863; Sizes: 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
560	601	73043900	Pipes of circular cross-section, of iron or non-alloy steel	Specification: ASTM A 53 / ASTM A 106 , ASTM A 192, ASTM A 199, ASTM A 210, ASTM A 213, ASTM A 519. DIN 2391, DIN 2440, DIN 2441,DIN 2448, DIN 1629, DIN 1630, DIN 17173 / 2448, DIN 17175 / 2448 JIS G 3464, JIS G 3444 BS – 1387. BS 3059, BS, 3059/2, BS 1775, BS 6323 NFA 49 – 112, NFA 49 – 1445, NFA 49-211 UNI 8863 Sizes : 10.3 mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
561	602	73044100	Cold Drawn or Cold Rolled (Cold Reduced) Pipes / Tubes	Seamless Steel Pipes/ Tubes other cross- section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 53, ASTM A 106, ASTM A 179, ASTM A 192, ASTM A 210, ASTM A 519, API 5L, DIN 17175, JIS STB 35S Sizes: 10.3mm to 273mm (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
562	603	73044900	Cold Drawn or Cold Rolled (Cold Reduced) Pipes / Tubes	Seamless Steel Pipes/ Tubes other cross- section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 53, ASTM A 106, ASTM A 179, ASTM A 192, ASTM A 210, ASTM A 519, API 5L, DIN 17175, JIS STB 35S Sizes: 10.3mm to 273mm (excluding internally coated pipes)	--	--	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
563	604	73045100	Pipes of Iron or non-alloy steel (unthreaded)	Seamless Steel Pipes / Tubes other cross-section, of iron alloy steel, cold drawn or cold rolled. Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes: From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
564	605	73045900	Tubes of alloy steel,seamless circular cross-section (unthreaded)	Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes : From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
565	606	73049000	Pipes of Iron or steel, seamless (unthreaded)	Specification: ASTM A 333, ASTM A 334, ASTM A 335, ASTM A 519. Sizes: From 10.3mm to 273mm (excluding internally coated pipes)	As per required standard/ specification	As per required standard/ specification	Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
566	607	73051100	i) Longitudinally Welded Pipes	ASTM A-134, ASTM A-381, ASTM A-409, ASTM A-589, ASTM A-671, ASTM A-672, ASTM A-139, ASTM A-252, BS-6323,ASTM A-139, A-120, A-653	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			ii) Welded Steel Linepipe	M.S. and Galvanized Steel Line Pipes (ERW) from 1/2" to 18" BSS 1387/1985, API 5L (PSLI), ASTM A53	HR-1, HR-2, HR-3, HR-4, HR-235, HR-274, API 5L-B API 5L X42	--	Jamal Pipe Industries (Pvt) Ltd; 88-Railway Road, Lahore
			iii) Helical Seam Submerged - Arc Welded Pipes (Spiral Welded Pipes)	219.mm upto 2438. mm in thickness of 4.0mm and upto 25.4mm and API Steel Grade Upto X-80 PSL-2 According to API-DIN-BS-AWWA-ASTM Standard. (Protective Coating both internal as well as external coating of these pipes i.e. 3 layer Poly Ethylene/ Poly Propylene Coating as per DIN 30670, CSA Z 425.20 and CSA Z 245.21]	As per API 5L	According to API Specs	Data Steel Pipe Industries (Pvt.) Ltd., Ibrahim Building, 20-West Wharf Road, Karachi
			iv) Steel Line Pipe	Spirally welded (Submerged arc Welded): a) Bare: Size : 6" to 126" dia, Grade upto X-80 API-5L ASTM and BS specification b) Coated with 3 layers: Polyethylene, /Polypropylene, Copolymer(Adhesive),Fusion Bonded Epoxy for 6" to 60" Dia Linepipe <u>Electric Welded</u> a) Bare: Size: ½ to 12" , ERW/EIW (straight seam), upto Grade API X-52, ASTM, BS Specification b) Galvanized Iron., ERW/EIW, ASTM, and BS Standard	As per Table 5 3 A and 3 B of API Specification 5 L, ASTM and BS Specifications. As per table 3A of API. Specification 5L, ASTM and BS Specifications	As per table 2A and 2B of API specification 5L, ASTM and BS specifications As per table 2A of API specification-5L, ASTM of BS Specification	1) Ramna Pipe Lahore 2) Shalimar Pipe Mills Lahore 3) Indus Steel Pipes Ltd., 7th Floor, PIC Tower, 32-A, Lalazar Drive Karachi 4) Shashi Steel Pipe Works, Karachi
567	608	73051900	i) Line Pipe for oil or gas pipelines	Longitudinally Welded Pipes: ASTM A-139, A-671, A-672, A-381, A-120, A-653, A-A-252, A-409, BS-6323	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			ii) Welded Steel Pipe and Coating	Upto 120" diameter, wall th. upto 25.4mm, grade API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400
568	609	73053100	i) Steel Line Pipe	Longitudinally Welded Pipes: ASTM A-139, A-671, A-672, A-381, A-120, A-653, A-A-252, A-409, BS-6323	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			ii) Carbon Steel Pipe/ Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400
569	610	73059000	Welded Steel Pipe and Coating	Upto 120" diameter, wall thickness upto 25.4mm grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating External & Internal Epoxy Coating Tape Coating External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400
570	611	73061900	i) C.I. Tubes with special Rubber Seals	For Carbonating Tower and for Ammonia Gas Cooler	--	--	1) Heavy Mechanical Complex, Taxila 2) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			ii) Welded Steel Pipe and Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Steel line pipe for fluid/gas transmission pipes	1/2" to 12" diameter 1.8 mm to 12.7 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
571	612	73063090	i) Hot-dipped galvanized steel pipes for water, gas, structural and other applications	3/8" to 8" diameter 1.8 mm to 7.11 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
			ii) ERW black pipe for structural, firefighting and pressure applications	3/8" to 12" diameter 1.60 mm to 12.7 mm Wall Thickness	As per Standard	As per Standard	
572	613	73064000	Stainless Steel ornamental tubes (circular)	1/2" to 3" diameter 0.9 mm to 2.5 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
573	614	73065000	i) Welded Steel Pipe and Coating excluding High Tensile Steel Pipe (590MPa) Dia=19.1mm, (1765 Mpa) Dia=22.2mm, or Dia=25.4mm, used in auto sector	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400
			ii) Pipes made from alloy steel	3/8" to 12" diameter, 1.6 mm to 12.7 mm Wall thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
574	615	73066100	Stainless Steel ornamental tubes (squares/rectangles) excluding Internally Coated, Size: 30x40x1.5 mm, Length: 5.3 Mtrs, used in auto sector	Square: ½ "x ½" to 2" x 2" Rectangle: ½ "x ¾ " to 1 ½ "x 3" 1mm to 2.5 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
			Cold-rolled tubes shapes (non-circular)	Square: 10x10mm to 60x60 mm, 0.6mm to 2.0mm wall thickness Rectangle: 10x20mm to 40x80mm 0.6mm to 2.0mm wall thickness Oval: 16x30mm to 30x50 mm, 1.2mm to 2.0mm wall thickness Elliptical: 13x23mm to 24x56 mm, 0.90mm to 1.60mm wall thickness	As per Standard	As per Standard	
575	616	73066900	Cold-rolled LTDZ profiles (non-circular)	LTZ and D profiles for door and window frames, Dia / Shape: L40, T48, L48, Z48, L55, T60, Z60, D60. Wall thickness 0.7mm to 1.20mm.	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
576	617	73069000	i) Pipes of Iron or steel excluding Aluminized Pipe (Not in Cut-to-Size), Dia=54mm, Th: 1.60mm used in auto sector	GI pipes: Dia.15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150 mm (½", ¾", 1", 1¼", 1½", 2", 2½", 3", 4", 5" & 6"), Wall Th. from 1.80mm to 7.10mm, Standards: BS 1387 (1985), ASTM A53 (2002), DIN 2440 & 2441 and other upon request. Precision Steel Tubing Diameters: Round:12.70, 15.90, 17.50, 19.05, 22.20, 23.80, 25.40, 28.60, 31.80, 38.10, 42.20, 48.10 & 60.30 Wall Th.0.60mm to 2.0mm, Standards BS 6323 Part1 & 5 (1982) Shape: Square, Rectangle & Elliptical in equivalent size to above round dia. API Line Pipe for Gas Distribution, Dia.26.7, 3304, 60.3, 114.3 & 168.3mm (¾", 1", 2", 4" & 6", Wall Th. from 2.87 to 7.10 mm Standards: API 5L (Latest Edition) ASTM A53 (2002) and profiles for Door & Windows Frames Diameter / Shape: L40, T48, Z48, L55, T60, Z60 Wall Th. From 0.70mm to 0.90mm Standard: IIL Standard (excluding internally coated pipes)	As per Standard	Low carbon steel	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
			ii) Hot-dipped GI pipes for water, gas, structural & other applications	3/8" to 8" dia., 1.8-7.11 mm Wall Th.	As per Standard	As per Standard	
			iii) ERW black pipe for structural, firefighting and pressure applications	3/8" to 12" dia., 1.60-12.7 mm Wall Th.	As per Standard	As per Standard	
			iv) Cold rolled tubes-Circular cross-section	9-75.6 mm dia., 0.6-3.0 mm Wall Th.	As per Standard	As per Standard	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			v) Welded Steel Pipe and Coating	Upto 120" dia., wall th. upto 25.4mm, grade upto API 5 L X 100 (PSL-1 & PSL-2) External 3-Layer Polyethylene/ Polypropylene Coating, External & Internal Epoxy Coating, Tape Coating, External Internal Cement Lining/ Coating	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	As per API 5L PSL-1 & PSL-2 and other International standards As per DIN & AWWA standards	Crescent Steel and Allied Product Ltd., 9th Floor, SIDCO Avenue Centre, 264-RA Lines, Karachi-74400
New			vi) API 5L Steel Line Pipe	Longitudinally welded pipe: Dia 1/2" to 12", upto grade X-60 for PSL1 & PSL2	As per API 5L specifications	As per API 5L specifications	BBJ Pipe Industries (Pvt) Ltd., BBJ House, 40 Abbot Road, Lahore
New			vii) MS Pipe	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53 and BS EN 10219 specifications	As per ASTM A53 and BS EN 10219 specifications	
New			viii) GI Pipes	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53/A795 and BS EN 10255/EN 39 specifications	As per ASTM A53/A795 and BS EN 10255/EN 39 specifications	
New			ix) Hollow Structural Sections	Longitudinally welded pipes: dia 1/2" x 12" to 12" x 12"	As per ASTM A53/A500/A252 specifications	As per ASTM A53/A500/A252 specifications	
New			x) Scaffolding Pipes	Longitudinally welded pipes: dia 48.3 mm	As per BS EN 39 specifications	As per BS EN 39 specifications	
New			xi) Metallic Sprinkler Pipe for Fire Protection	Longitudinally welded pipes: dia 1/2" to 12"	As per ASTM A53 and UL 852 specifications	As per ASTM A53 and UL 852 specifications	
577	618	73072100	i) Stainless Steel Flanges	Different types of flanges as per customer requirement	All Steel & SS Flanges and Flanges of Standard ANSI B16.5 etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi
			ii) Pipe flanges and Fittings	For Boilers and Heat Exchangers			Huffaz Seamless Pipe Industries Ltd., 207-210 2nd Floor, Mashriq Centre, Block-14, Gulshan-e-Iqbal, Karachi
New	619	73072300	Stainless Steel Buttweld Pipe Fittings	Elbow and Reducers" Dia. 15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150mm (1/2", 1/4", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5" & 6") wall th. From 2.11mm to 10.97mm Standards: ANSI B16.9, B16.28			Burhani AQMS Industries (Pvt) Limited. A-31, Burhani Industrial Park, Lasbela, Hub, Balochistan
New	620	73079300	Mild Steel Buttweld Pipe Fittings	Elbow and Reducers" Dia. 15, 20, 25, 32, 40, 50, 65, 80, 100, 125 & 150mm (1/2", 1/4", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5" & 6") wall th. From 2.11mm to 10.97mm Standards: ANSI B16.9, B16.28			Burhani AQMS Industries (Pvt) Limited. A-31, Burhani Industrial Park, Lasbela, Hub, Balochistan
578	621	73079900	i) Double Studded Adaptors, Adaptor Spools, Blind Flanges / Weldneck Flanges / Flanges (Threaded)	Size: 2-1/16" to 30", Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140	MEC Energy, Plot No. 80-D, Street No. 6, Industrial Area Sector I-10/3, Islamabad
			ii) Weco Cross Over & Weco Adpator Flanges	Size: 2" to 5", Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140	
			iii) Threaded Cross Overs, Saver, Float, Bit & Lifting Subs	Size: 2-3/8" to 8-5/8", API Regular / IF	API Spec 7-1/6A	AISI 4130 / 4140 /410 (SS)	
			iv) Service Tee	3/4" with plug	Elongation 30%, Tensile 70 Ksi/Min	ASTM A-126, C-0.20%, Si-0.21%, Mn-0.52	Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi
New			v) Steel to PE Transition Pieces	SNGPL Specifications, Plastic Pipe MDPE & Steel Pipe as per API-5L	Operating Pressure 60 psig, Sizes: 3/4", 1-1/4", 2" and 4"	MDPE resistant to natural gas and steel pipe epoxy powder coated	Mechfit Industries, 231-D-1, Nespak Housing Society, Near WAPDA Town, Lahore.
579	622	73081000	i) Fabricated Steel Profiles	Plate fabricated I & H Sections Maximum height, width and Flange/Web thickness of Sections= 2500 mm, 800 mm, 30/25 mm respectively, AISI, BS-5400	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			ii) Steel Buildings and Structure	Steel Structure for platforms, Gantries, Steel piles casing for following industries: 1. Oil & Gas fields 2. Oil Refineries 3. Fertilizer Industries 4. Cement Plants 5. Sugar Mills 6. Flood light Masts 7. Lattice type towers 8. Jetties & Terminals 9. Industrial Sheds 10. Multistoried Residential and Commercial Buildings, constructed with Steel Structure. In accordance to AISC,AISI, BS 5400, AWS -D.1.1.Masts, towers, plate girders, columns, supports, staging, walkways, factory sheds, grid and yard structures, platforms for all industrial plants (cement, sugar fertilizer, chemical, petro-chemical, oil refineries & processing, Sewage- water treatment) Industrial buildings, 20x70m to 30 to 100m.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila 4) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Industrial steel equipment	Ducts chutes, draughts, chimneys, cyclones, etc for all industrial plants (cement, sugar fertilizer, chemical, petro-chemical, oil refineries & processing, Sewage- water treatment) Plate fabricated (required by any industry) Carbon Steel (CS), Stainless Steel (SS) and Alloy Steel - All grades	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 3) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			iv) System and Steel Frameworks	--	--	--	Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
580	623	73082000	i) Iron or Steel Towers; (Communication / Transmission Towers) ii) Steel Wind Tower/ Steel Mast iii) Flood Light Towers	(i) L-Type, Monopole, Tubular, Antenna Pole (Sizes 3mtr. to 85 mtr. height) (ii) Windmill Tower (Load carrying capacity upto 200 Tons (as per requirement) iii) Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter. iv) Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila 5) Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			iv) Masts, lattice and jetties of Iron or steel, for ships	1) Breasting Dolphins for Jetty upto 35000 mm long and 2300 mm diameter. 2) Mooring Dolphins for Jetty upto 17500 mm long and 1020 mm diameter. 3) Piles for Jetty upto 33500 mm long and 609 mm diameter.In all types and sizes (excluding internally coated pipes)	--	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
			v) Power Transmission Towers of Iron or Steel	11 Kv, 132 Kv, 220 Kv, 500 Kv Steel Structures	Angles, Plates and Hardware of M.S., H.T. of grade DIN17100, S355 JR, ASTM A572/572M grade 50, ASTM A394 Type 0, ISO 898 grade 5.8, 6.8 and 8.8, ASTM A36/A36M	--	Pakistan Engineering Company Limited, 6/7, Ganga Ram Trust Building, The Mall, Lahore
			vi) Lt Steel Structures 31 ft vii) HT Steel Structures 36 ft 40 ft 45 ft	WAPDA Specification DDS-78:2008	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			viii) 11kV Steel Structure	--	Y-25kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore
			ix) 132/220kV Transmission Line Towers	P139:80, P163:82	Y-26kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05	
			x) 132/220kV Sub-Station Steel Gantries	P139:80, P163:82	Y-35kg/mm2, T-50~80kg/mm2	C-.20, M-1.36, S-0.005, P-0.05	
			xi) Telecommunication Tower (Self Supported Towers, Guyed Mast Towers, Monopoles & Releated Accessories) xii) Steel Lighting Tubular & Octangonal Poles& 132kV Tubular Pole	ASTM A-36	Y-250Mpa, T-400~500Mpa	C-.26, M-0.84, S-0.005, P-0.05	
			xiii) Steel Structures	Ranging Capacities to Client's Requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
581	624	73083000	i) Towers of iron or steel	Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila
			ii) System and Steel Frameworks	--	--	--	Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New			iii) Fire rated standard door, UL door, Fire shutt sliding door, emergency fire door, Ms hallow metal doors.	High quality mild steel, SS 304, 316.	as per standard of UL 10C and NFPA 252.	Miled steel	1) SAMCON Associates 838-B Sabzazar Scheme Multan Road, Lahore. 2) Ambala Engineering, 96 B Block, Sabzazar Scheme Scheme, Multan Road, Lahore.
582	625	73084000	i) Towers of iron or steel	Self supporting and lattice type masts & Towers upto 60M. (Excluding Masts and Structures for Oil/ Gas Rigs)	Flood Light Towers upto 65000 mm height and Diameter upto 1800 mm diameter.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila
			ii) System and Steel Frameworks	--	--	--	Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			iii) Scaffolding and structural sections	Diameters of 1/2" to 12" Square1 ½" x 1 ½" to 10" x 10" Rectangular1"x2" to 6"x10" 1.8mm to 12.7 mm Wall Thickness	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
583	626	73089010	i) Gates of Iron or steel ii) Racks of Iron or Steel iii) Shelvings of Iron or steel	i) Gates for Barrages. In accordance to AISC, AWS D.1.1, Sizes (up to 3 MTR heights, 4 MTR wide, 12 MTR lengths (Barrage & Tunnel Gate for Hydle & Irrigation purpose). ii) Racks sizes up to width 1.2 MTR, Height 4, and 12 MTR (bolted structure and can be assembled in any dimension Fencing sizes (up to 4mtr height iii) Racking & shelving system - heavy duty pallet racking system, medium duty racking system, library shelving system,compressed fillng system etc. For Warehouse, Stores, Supermarket and Factories etc.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			iv) Transmission & Distribution Towers of M. S. Steel	11 Kv, 66 Kv, 132 Kv, 220 Kv, 500 Kv Steel Structures	Angles, Plates and Hardware of M.S., H.T. of grade DIN17100, S355 JR, ASTM A572/572M grade 50, ASTM A394 Type 0, ISO 898 grade 5.8, 6.8 and 8.8, ASTM A36/A36M	--	Pakistan Engineering Company Limited 6/7, Ganga Ram Trust Building, The Mall, Lahore
			v) Steel Building and Structure	Plate Fabricated Profiles/ Pipe Racks, Modules	Y-25kg/mm2, T-40~56kg/mm2	C-.26, M-0.84, S-0.005, P-0.05	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore
			vi) Structural Circular/square/ rectangular hollow sections (including all structural grades)	Diameters of 1/2" to 12" Square 1 ½" x 1 ½" to 10" x 10" Rectangular 1"x2" to 6"x10" Wall Thickness 1.8mm to 12.7 mm	As per Standard	As per Standard	International Industries Ltd., LX 15-16, Landhi Industrial Area, Karachi
584	627	73089090	i) Gates of Iron or Steel/ Penstocks, other Structure and parts of iron or steel ii) System and Steel Frameworks, Steel Building and Other Structure and parts of iron or steel iii) Steel Gates/DAM Gates	i) Gates for barrages, According to AISC AWS D 1.1, Sizes upto 3 mtr height, 4mtr wide, 12 mtr length (barrage & tunnel gate for Hydel and irrigation purpose. ii) Racks sizes up to width 1.2 MTR, Height 4, and 12 MTR (bolted structure and can be assembled in any dimension iii) Steel Structure (for Equipment, Plant Warehouse, Building and other purposes) - Light Structure (stairways , ladder railing and Plate Form) Sizes up to 0 ~ 200 mm - Medium Structure (flooring) Sizes up to 200 ~350 - Heavy Structure (column and framing beam) Sizes depth up to 350~1500 mm iv) Relief Valve Bulkhead Gates,Redial Gates ,Gate Guides and Frame , Draft Tube Gates, Vertical Lift Gates v) Plate Fabricated Profiles/ Pipe Racks, Modules or As per client's requirment	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Izhar Engineering (Pvt.) Ltd., Izhar, House, 35-Tipu Block, New Garden Town, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 7) Rhino Pre- Engineering Building, 18 KM Ferozpur Road, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iv) Boiler Equipment/ Structure	Drums, Chimneys, Steel Structure, Cuts/ Chutes for upto 350 MW Boilers, ASME Sec. 1 OR As per client's requirment	--	--	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
New			v) Fusible Link	Copper	--	--	SAMCON Associates, 838-B Sabzazar Scheme Multan Road, Lahore.
585	628	73090000	i) Pressure Vessels & Storage Tanks / Reservoirs / Vats / Containers, Compression & Expansion Tanks Centrifugal Air Separator Centrifugal Duct Separator of Steel (Iron or Steel) for water and oil storage, etc	Upto 35,000 cubic metre i.e. Diameter= 60 meters, Height= 17 Meters (Fixed & Floated Roof), Circullar Capacity upto 500,000 Liters, Square Tanks for 26 MVA PMTs upto 4500 mm length, 1600 mm width and 2600 mm height. Vessels: Upto 150 MM Wall Thickness (Vertical and Horizontal, All types) (Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Storage Tanks, Skid Mounted Fuel Tank, storage tanks for petrochimical/oil/chemical industry, alcohol storage tanks, molasses storage tanks, LPG Bullets and bio gas reactors, M.E.G. road Tanker barrels, Oil Storage Tanks, Low Pressure Feed Water Heater/Deaerator and Feed Water Tank. Clarifier Tanks, Aluminum Tanks for Transportation of Fuel (capacity over 300L), Tow bar fuel tanker, truck mounted fuel tanker, trailer mounted fuel tank, mobile dispenser, etc. In accordance to API-650, API-620, BS-2594, BS-799, BS-7777, BS-1564, BS-2564, BS-7122, API-12B, API-12D, API-12F, AWWA, UL No. 142, UL 58)	Material = HR - 255, HR-275, HR-283, HR-285, SA-36, HR 275&25 Steel Plates., Carbon Steel, mild Steel, Stainless Steel and Alloy or any other.	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 5) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 6) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 7) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 8) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 9) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block New Garden Town, Lahore 10) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 11) Heavy Mechanical Complex (Pvt) Ltd., Taxila 12) Design & Dev. Fabr. Lahore 13) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore 14) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 15) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi
			ii) Mud Tank / Mud Suction Tank With Valves And Gates	Used for mud mixing, Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
			iii) Cutting Bottle / Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--	
			iv) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--	
			v) Mobile Frac Tank vi) Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining / Fibercoating /Epoxy	Support acid upto 34%	
586	629	73101000	i) Steel Drums / Tanks, Drums and Other Containers	Oil storage Drum, under storage tank of steel, skid mounted fuel tank, Boxes and Similar Containers (Material & Size as per Requirement)	--	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			ii) Cans and Containers	Of any type of steel, whether or not lined or heat insulated but not fitted with mechanical or thermal equipment (other than compressed or liquefied gas), Chlorine cylinders 01 ton capacity	--	--	1) Hashmi Can Co. Ltd., B-24, Manghopir Road, SITE, PO Box. 3608, Karachi-75700 2) Brother Engg. Ltd., 135-Upper Mall, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
587	630	73102900	i) Storage Tanks/Pressure Vessels, Drums and Other Containers	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank, Boxes and Similar Containers (Material, Size & Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 5) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			ii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form, Capacity: upto 3000 Gallons Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig, Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
			iii) Cutting Bottle / Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--	
			iv) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--	
588	631	73110010	Pressure Vessels/ Storange Tanks / Drums Bullets and Column of Iron or Steel	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums ,Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted Under Ground/above Ground LPG Vessel/ Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/ Sludge Catcher (Finger Type/Vessel Type) mounted. In Accordance to ASME SEC VIII Div 1, 2 & 3. BS 5500 Cat 1&2 TEMA, Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620,	1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m^3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
589	632	73110020	i) High Pressure Steel Vessels, Storange Tanks of Iron or Steel, Drums, Bullets and Column, Containers	Pressure Vessels, Knock out drums, Steam drums, Steam saturation drums, Boiler feed water tanks, De-aerator tanks, Truck mounted, Above/Under ground LPG Vessels, LNG Bullet / Storage Tank, Spherical storage Tanks, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type), Columns, Stripper, absorption, distillation, dehydration, Deaeration Equipment & De Gasifiers etc. as per customers requirements In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA,	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3. 1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m3 storage capacity. Largest LPG vessels fabricated in Pakistan. LPG Tanks - Static (Cylindrical upto 125 Mton capacity, Spherical upto 500 Mton capactiy) LPGBowzers capacity 30 Ton StoragePressure Vessel (cylindrical/spherical), up to 250 mm plate thick For compressed or liquefied gas, of iron or steel Shop built sizes up to 5 x 5 MTR (Width, Height) Site built sizes up to Dia 20 MTR and Length 20 MTR	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila 6) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad 7) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 8) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 9) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) LPG cylinders of iron or steel	a. LPG Cylinders with capacity = (6.0kg, 11.8 Kg, 15 Kg and 45.4 Kg) b. LPG Storage Bullets (from 01 MT Capacity to 100 MT) c. LPG Transportation bowzers (10 MT to 25 MT) with under carriage. d. Pressure vessel (15 PSI to 4000 PSI) as per ASME section VIII Div 1 and material thicknes 8mm to 50.8mm	Working Pressure : 7 Bar Test Pressure : 30 Bar Burst Test Pr :70 Bar DOT, ASME & BS Standard	Material: HR,SG-255 Steel Sheets. DOT, ASME & BS Standard	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 3) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 4) FAS Tube Mills & Engineering Industries, 67 - C Steel Street (Meco)Market, Landa Bazar, Lahore -54000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			iii) Pressure Vessels for LPG Storage. LPG bulk storage tanks/ Pressure Vessels for LPG Storage.	As per ASME Code Sec: VIII Div-1. Ranging from 30 Tons capacity and onwards with Wall Thickness from 20mm to 70mm. LPG bulk storage tanks of capacity 500 kgs and above cylindrical pressure vessels of thickness upto 250mm	--	Material: HR,SG-255 Steel Sheets.	1) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila 5) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi
590	633	73110030	i) Storange Tanks	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620.	--	--	1) Heavy Mechanical Complex-3, Hattar Road, Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
			ii) Iron or Steel Pressure Vessel, Drums, Bullets and Column	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums, Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted /Under Ground/above Ground LPG Vessel/Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type) LNG Spherical storage Tanks. In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA,	1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m^3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
			iii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form. Capacity: 1000 Gallons upto 3000 Gallons, Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
591	634	73110040	Pressure Vessels / Storange Tanks	Type: Horizontal & Vertical, Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3 .	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila
592	635	73110090	i) Iron or Steel Pressure Vessel, Drums, Bullets and Column, Containers, Storange Tanks	Pressure Vessel, Knock Out Drums, Steam Drums, Steam Saturation Drums ,Boiler Feed Water Tanks, Deaerator Tanks, Truck Mounted /Under Ground/above Ground LPG Vessel/Bullet /Storage Tank, LPG Transportation Bowzers, LNG Spherical Storage Tank, Column / Filter, Slug/Sludge Catcher (Finger Type/Vessel Type) LNG Spherical storage Tanks. In Accordance to ASME sec VIII Div 1 & 2. BS 5500 Cat 1&2 TEMA, Containers for compressed or liquefied gas, of iron or steel	Type: Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. Plate benging 120mm thick in CS, 4,000mm long in CS. Desing Code/ Standards: API-620, ASME Sec. VIII-1-2, 3 . 1) LPG Vessel upto 5000mm dia X 52380 mm length and 31 mm thick. 1100 m3 storage capacity. Largest LPG vessels fabricated in Pakistan.	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Heavy Mechanical Complex-3, Hattar Road, Taxila 6) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) LPG cylinders of iron or steel, Pressure Vessels for LPG Storage/ LPG bulk storage tanks	a. LPG Cylinders with capacity = (6.0kg, 11.8 Kg, 15 Kg and 45.4 Kg) b. LPG Storage Bullets (from 01 MT Capacity to 100 MT) c. LPG Transportation bowzers (10 MT to 25 MT) with under carriage. d. Pressure vessel (15 PSI to 4000 PSI) as per ASME section VIII Div 1 and material thicknes 8mm to 50.8mm '- As per ASME Code Sec: VIII Div-1. Ranging from 30 Tons capacity and onwards with Wall Thickness from 20mm to 70mm. - LPG bulk storage tanks of capacity 500 kgs and above cylindrical pressure vessels of thickness upto 250mm	Working Pressure : 7 Bar Test Pressure : 30 Bar Burst Test Pr :70 Bar DOT, ASME & BS Standard	Material: HR,SG-255 Steel Sheets. DOT, ASME & BS Standard	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Cylinders Engg. Industries (Pvt) Ltd 9-C, 13th Commercial Street, Phase-II, Defence H. Authority, Karachi 3) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 4) FAS Tube Mills & Engineering Industries, 67 - C Steel Street (Meco)Market, Landa Bazar, Lahore -54000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 7) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 8) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 9) Heavy Mechanical Complex (Pvt) Ltd., Taxila 10) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
			iii) Nitrogen Tank	Used to store and transport nitrogen in liquid or gaseous form. Capacity: 1000 Gallons upto 3000 Gallons, Or as per our client requirement.	Design Code: ASME, Material: SS 304L Cryogenic (Inside), Carbon Steel. (Outside), Test Pressure: 60 psig Working Pressure: 45 psig	Support Nitrogen in liquid or gaseous form	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
593	636	73121010	i) Stranded wire of Iron or steel, not electrically insulated	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	--	--	Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi
			ii) Galvanized/ Ungalvanized Strands Steel Inner Wire/ Rope/ Roll	BS 302, JIS G3525, BS 2763	As per Standard	As per Standard	Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi
			iii) Galvanized Steel Wire Stranded / Galvanized steel wire	WAPDA P 12:80	--	--	Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore
			iv) P.C Strand	Size 3/8", 7/16" & 1/2"	--	C-Si-Mn-P-S-Cr-Ni-Cu Al & Mo	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore
			v) Pre-Stressed Concrete steel Wire Spiral/ Plain for Railways Sleeper / Ready made roofs and other	JIS G 3506 / SWRH-82 B (ASTM A-416/B.s. 5896 Grade 250/270-K, Normal Relaxation, Not Electrically Insulated) ASTM A421-15 BS 5896, JIS G3536 GB-T 5223-2014 and equivalent	7 Wire Strands 1/2", 3/8", 7/16"	C 0.81, Si 0.24, Mn 0.84, P 0.015, S 0.012	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) United Wire Industries (Pvt) Ltd., 19/20 KM, Lahore Sheikhupura Road, Lahore
			vi) Prestressed Concrete Wire	JIS G 3506 / 1980 SWRH-82 B(ASTM A-421 Grade 250/270-K, Not Electrically Insulated)	Wire (variable dia)	C 0.80/ .84, Si 0.22, Mn .60/.80, P .02X, S.02X, Cr .240/.260, N .010, Cu .007, Ni .014, Mo .001, V .025	Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur
			vii) High Carbon Steel wire strand	JIS G 3536 SWRH-82B-1 (Not Electrically Insulated)	Wire (variable dia)	C 82/83, Si 23/27, Mn 76, P 11/17, S 4/6, Cr 17/19	
			viii) High Tensile Steel Wire	JIS G 3506 /B.S. 5896 (Grade 250/270-K, Normal Relaxation, Not Electrically Insulated)	Wire (variable dia)	C .81%-.83%, Mn .75-77%, P .010-.014%, S .002%-.005%, Si .25-.26%,Sr .17%-.18%	
			ix) Hard Drawn/ Spring wire	JIS G 3536(Not Electrically Insulated)	Wire (variable dia)	C .83, Mn 0.67, P 0.013, S 0.010, Si 0.19, Cr 0.250, N .006, Cu .007, Ni .014, Mo 0.25, Sn .002	
594	637	73121020	i) Stranded ropes of Iron or steel, not electrically insulated	ASTM, JIS all International spec	Low Carbon to High Carbon Steel Wire & Ropes	--	1) Chaudhri Wire Rope Industries (Pvt) Ltd., 25 Km G.T Road Muridke, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
			ii) Steel Wire Rope	6X7FC,SC & IWrC-6X12, 6X19, 6X24, 6X36, 6X37 FC, SC & IWRD	--	C-Si-Mn-P-S-Cr-Ni-Cu Al & Mo	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
			iii) Wire Rope (Not electrically insulated)	SWRH 42B, 47B, 62B & 72B JIS G 3506	8 mm to 20 mm Ø	C/ 62-72, Si 195, Mn 67, P .6, S .13, Si 195-201	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iv) Galvanized/ Ungalvanized Inner Wire Roll/Steel Cable Clutch, Brake Throttle Automotive Sector Galvanized Guy rope/ Strand For the Reinforcement of Optical Fiber Cable And Communication Cable, for Signaling and Galvanized Stay Strand For Power Transmitting Towers	JIS 3540 GB 1200-88 YB/T 5004-93 JISG 3525 JISG3525 GB-1179-1999 (Excluding SUS/SS and SWRH 62A grade)	As per standard	As per standard	Pakistan Wire Industries, E-51, Textile Avenue, SITE, Karachi
595	638	73121090	Core Wire for ACSR	JIS G 3506 62 B, 72 B (Not Electrically Insulated)	Wire (variable dia)	C 73, m 67, P 0.06, S 0.013, Si .195	1) Wire Manufacturing Industry Ltd., 45-KM Lahore-Multan Road, Nathey Khalsa, Bhai Pheru, District Kasur 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
596	639	73130000	Barbed wire of Iron or steel	As per BSS-4461-1969, ASTM-A36-75, ASTM-615-76a (1977)	--	--	1) Metropolitan Steel Corporation Limited, 706-Progressive Plaza, 101-Bemount Road, Karachi 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi
597	640	73143100	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
598	641	73143900	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
599	642	73144100	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
600	643	73144900	Fencing of Iron or steel	Fencing (up to 4 mtr height)	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) ASG Metals Ltd., EIZ/LL/SP-08, Eastern Industrial Zone, Port Qasim Authority, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
601	644	73170090	Staples Pins of iron or steel	All Sizes	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700
602	645	73181200	Screws (Wood, Threaded, Iron & Steel)	Gauges : 3 SG to 14 SG, Lengths : 1/2" to 5" British & DIN Standards - Twinstart & Full Dia.	Countersunk & Round Head, Slotted & Phillips, Partial & Fully Threaded Screws.	Mild Steel with 0.10% Carbon & Stainless Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
603	646	73181400	i) Screws (Self-Tapping, Threaded)	Gauges : 4 SG to 14 SG Lengths : 1/2" to 5" (or Metric equivalents) BS-4174 or DIN Standards	Hardened Screws, all types of heads, Nickel, Zinc or Rainbow Plated for use in metal plates & sheets made from Medium Carbon Steel .Torque Strength upto 136 lbs/sg. Inch.	Medium Carbon Steel 0.15-0.20,	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Machine Screws	Guages : 1/8 to 5/16" & M3 to M8 Lengths : upto 5" or 125mm BS-4183 & DIN Standards 963, 964 & 965.	All types of Heads, Zinc & Rainbow Plated.	Mild Steel & Stainless Steel.	
			iii) Drywall (Bugle Head) Screws.	Guages : 6 to 12 SG Length : Upto 3" DIN Standard in Fine & Coarse Thread.	Hardened Screws, all types of heads, Nickel, Zinc or Rainbow Plated for use in metal plates & sheets made from Medium Carbon Steel .Torque Strength upto 136 lbs/sg. Inch. (Black Phosphated)	Medium Carbon Steel 0.15-0.20, S&P 0.045% max, & Mn 0.20 – 0.60% & Stainless Steel.	
604	647	73181590	i) Bolts of Iron or steel	i) Dia M6 ~ M24, SAE 4.8, 5.8, 8.8, 10.9, 12.9	SAE 1,2,5,8,A574 Tensile:60,74,120,150,180 KSI Yield Strength: 36,57,92,81,130,160 KSI	S&P 0.045% max, &	Mirza Younas & Co., Zahoor Coloney Momin Pura Road, Near Bhatta Daroghawala,Lahore
				ii) Dia M6 ~ M24, M.S & High Tensile	SAE 5, SAE 8 , SAE 2 Tensile Stress 120 KSI,150 KSI,	Mn 0.20 – 0.60% & Stainless Steel.	
				iii) Dia M6 ~ M24, M.S & High Tensile	SAE 2, 5, 8 Proof Stress 105~ 1050 KSI	C= 0.28~ 0.55 Mn= 0.30max Ph= 0,05 max S=0.15 max Cr= 0.25 max	
				iv) Bolts, Nuts, Rivets, Studs, Washers, Screws of Steel, Mild Steel, Stainless Steel and Galvanized	Grade AISI 1008, 1010, 1012, 1025, 1030, and equivalent grade 8.8, 10.8, 12.8 and equivalent; Galvanized High Tensile Strength	--	Inayat Brothers, P-27 Canal Road, Peoples Colony # 1, Faisalabad
				v) Agricultural and all types of Bolts, Nuts and Washers	AISI 1008, 1010, 1012, 1015, 1025, 1030, and equivalent High Tensile Strength	--	I. B. Industries, P-27 Canal Road, Peoples Colony # 1, Faisalababad
				vi) Gauges : M3 to M8, Lengths : upto 110mm Hex Head Bolts, Flat & Indented. British & DIN Standards.	Fully or partially threaded, Zinc or Rainbow Plated.	Mild Steel, Medium Carbon Steel & Stainless Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
			ii) Hex Washer Indented / Hex Flange Indented / Hex Top Round Metric Bolts Material: Low carbon steel (Length6 mm-100 mm) (Gauge:M4-M10) - Other than Automotive iii) Hex Head Metric Bolt Material: Low carbon steel (Length6 mm-100 mm) (Gauge:M4-M8)- Other than Automotive	Used specifically in Industrial, construction and Home Appliances Industry	Length 6 mm-100 mm & Gauge: M4-M10 to be checked against the standard of JIS B 1189 Length 6 mm-100 mm & Gauge: M4-M10 to be checked against the standard of DIN 558/DIN 933/JIS B1180	C:0.08%	
			Nut & Bolts 2 " to 14 "	WAPDA Specification DDS-10:85	--	--	Vision Engineering Pvt Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
605	648	73181610	i) Hex Washer Indented / Hex Flange Indented / Hex Top Round Extruded / Straight Shank Metric Bolts Material: Medium Carbon Steel (Length6 mm-100 mm) (Gauge:M4-M10) - Other than Automotive ii) Hex Head Metric Bolt Material: Medium Carbon Steel(Length6 mm-100 mm) (Gauge:M3-M10)- Other than Automotive	Used specifically in Industrial, construction and Home Appliances Industry	Length 6 mm-100 mm & Gauge: M4-M10 to be checked with strength class of 8.8.	C:0.45%, B:0.0017%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
606	649	73181900	Threaded Nuts of Iron or steel	Dia M6 ~ M24 Medium,High Carbon & Alloy Steel	SAE 4.8,8.8,10.9 & 12.9	C% 15~55 P% 0.03~0.05 S% 0.03~0.05 Ni% 0.15~0.22 Cr% 0.18~0.25	Mirza Younas & Co., Zahoor Coloney Momin Pura Road, Near Bhatta Daroghawala,Lahore
New	650	73218100	Patio Heater	GLASS TUBE, TILT SAFETY SWITCH, FAILURE SAFETY, BOTH LPG & NG SUPPORTED , 39,000 BTU CONSUMPTION 815g/h GAS PRESSURE 28-50 mbar	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
607	651	73219000	Shelves of Iron or steel	Made of CRC, HRC, Galvanized Steel Sheet	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi
608	652	73251000	Articles of Cast Iron excluding forging hub used in auto sector	- Cast iron castings upto 28 tons weight (sigle piece) steel casting (low alloy) upto 32 tons weight (single piece) - Gray Cast Iron, From 1 kg to 1000 kg	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
609	653	73259100	Hi-chrome grinding media balls	Hi-chrome grinding media balls of dia 22-100 mm	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
610	654	73259900	Following articles excluding Casting, Cylinder Body or Casting Outer Tube i) Articles of Cast Mild Steel ii) Articles of SG Iron	Casted Mild Steel From 1 kg to 1000 kg SG Iron From 1 kg to 500 kg	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
611	655	73261100	Forged grinding media balls	Forged grinding media balls of diameter 30-120mm	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
612	656	73261911	Crank Shaft Forgings	Crank shaft forging for motor cycle engine	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35 Mn = 0.30-0.60	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi
613	657	73261919	Crank Shaft Forgings	Crank shaft forging for motor cycle engine	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35 Mn = 0.30-0.60	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi
614	658	73261990	i) Steel free forged items	Steel free forged items upto 120kg per piece weight	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
			ii) Articles, Forged or stamped, iron or alloy steels	Die/ Free forged, Die forging up to 5Kg. Free Forging uo tp 1000Kgs	Machined	All type of alloy steel grades. Chemical composition as per international quality standards or as specified by customers.	Peoples Steel Mills Ltd., Javedan Nagar, Manghpir, Karachi
			iii) Other Forgings	i) Car forging component for towing, hub front axle wheel, engine assembly, gear assembly etc.	Apprearance smooth forged steel. Silver grey. Hardness HRC 17-25	- AISI 1025, C= 0.22-0.28, Si = ≤0.15-0.35, Mn = 0.30-0.60 - AISI 1035, C = 0.32-0.38, Si = 0.15-0.35, Mn = 0.6-0.9 - AISI 1045, C = 0.43-0.50, Si = ≤0.15-0.35, Mn = 0.30-0.60 - SVDH23F, C = 0.25-0.26, Si = 0.26, Mn = 1.54-1.55 - S40VCSS1A, C = 0.38-0.43, Si = 0.40-0.60, Mn = 0.70-1.00 - S53C, C = 0.5-0.56, Si = 0.15 - 0.35, Mn = 0.6 - 0.9	Jin Kwang Jaz (Pvt) Ltd., DSU-33, Down Stream Industrial Estate, Pakistan Steel, Bin Qasim, Karachi
				ii) Tractor forging components for coupling, pump, shaft, weight, differential and gear assembly	Apprearance smooth forged steel. Silver grey. Hardness HB 248-323	- SAE-8620, C= 0.17-0.23, Si = ≤0.15-0.35, Mn = 0.6-0.9 - SAE-8620-H, C = 0.17-0.23, Si = ≤0.15-0.35, Mn = 0.6-0.95	
New	659	73262000	Display Racks of Assorted Sizes (excluding warehousing Racks)	Thickness from 2 mm to 7 mm powder coated/ LDPE coated 1*1 ft to 8*8 ft	Weight Load Capacity from 1 Kg to 100 Kg	M. S Wire Powder Paint/ LDPE Paint	Plascoat Systems, 18.5 Km Behind Wonhar Wood Furniture, Multan Road, Lahore
615	660	73269060	i) LT ABC Dead End (Anchoring) clamp	Cable Messenger at the Dead End Point	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
			ii) HT ABC Dead end Clamp (Anchoring)	Aerial Bundled Cable (3x185 mm² Dead End End Connections Specification K-R&D-HTABC-PD-29	--	--	
			iii) Dead End Clamp for Dog & Ospery conductor	Holding the Conductor at Dead End in 11 KV Over Head Distribution System	--	--	
			iv) Loop dead end clamp LC 10	Making the LT Dead Ends & Tee Offs in Over Head Distribution System	--	--	
616	661	73269090	i) Shelves of Iron or steel	Made of CRC, HRC, Galvanized Steel Sheet	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi
			ii) Special Spool / Spools (Spacer / Drilling/ Mud Cross)	Size: 2-1/16" to 30" Range: 2K-15K	API Spec 7-1/6A	AISI 4130 / 4140	MEC Energy, Plot No. 80-D, Street No. 6, Industrial Area Sector I-10/3, Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Loop Dead End Clamp LC-10 & LC-16	WAPDA Specification PD-111a-05	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			iv) Dead End Clamp Dog & Ospery	WAPDA Specification DDS-73:2004	--	--	
			v) Transmission Line Hardware (Suspension/Tension String Fittings/Assemblies for Earth Wire)	NTDC-WAPDA P-141:80	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore
			vi) Transmission Line Hardware Accessories (Mid Span Joints & Repair Sleeves)	NTDC-WAPDA P-144:80	--	--	
			vii) Transmission Line Hardware Accessories (Stock Bridge Dampers)	NTDC-WAPDA P-142:83	--	--	
			viii) Transmission Line Hardware Accessories (Splice Shunt, Armour Rod)	NTDC-WAPDA P-140:82	--	--	
617	662	74031100	Cathodes	Copper Cathodes cut to pieces	--	--	Newage Cables (Pvt) Ltd. Newage Mansion Mcleod Road, Lahore
618	663	74031200	General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
619	664	74031300	Copper Billets/Ingots	QQC 576 Latest	Round & Slab Shapes	99.9% Pure Copper	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
620	665	74032100	Brass Billets/Ingots	Def-Stan 95-9 IU 92 & other	Round about 200 kg & Slab From 300kg-6MT	60:40, 70:30, 80:20, 90:10, Any other	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
621	666	74071020	Copper Rod	ASTM B-49 Dia 8.00 & 10.50mm ASTM B-49 Electrical Conductor	Breaking Load Elongation Resistance	Purity: 99.99%	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 4) Bawany Metals Ltd., 1001-Unitowers, I.I. Chundrigar Road, Karachi
622	667	74081900	Copper Wire	ASTM B-2 & B-3	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
623	668	74082900	Copper Wire	ASTM B-2 & B-3	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
624	669	74091100	Copper Coils	QQC 576 Latest	0.5 mm – 05 mm Thick, Weighing upto 2.4MT	99.9% Pure Copper	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
625	670	74091900	Copper strips/ Sheets/ Plates not in coil	QQC 576 Latest	0.5 mm – 30 mm Thick	99.9% Pure Copper	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
626	671	74092100	Brass Coils	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm – 05 mm Thick, Weighing upto 2.4MT	60:40, 70:30, 80:20, 90:10, Any other	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
627	672	74092900	Brass Strips / Sheets/ Plates not in Coils	Def-Stan 95-9, IU-92, BS-2870, EN-1652	0.5 mm – 30 mm thick	60:40, 70:30, 80:20, 90:10, Any other	Wah Brass Mills (Pvt) Ltd., Quaid Avenue (Adjacent POF Main Gate), Wah Cantt.
628	673	74111090	i) Aluminum & Copper Pipe / Busbar / Tube	NTDC-WAPDA P-114:2011	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore
			ii) Copper Coated/Cladded Steel Rod	NTDC-WAPDA P-116:81	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Grounding Set Comprising Copper Coated Steel Road & Copper Wire 1.5M)	P-116:81, P-016:68	--	--	
629	674	74121000	Sockets for Natural Gas and LPG	Type: Bayonet, Angle Bayonet, Compression 10mm, Micro, Leakage test at 1 bar (1KV). Body: Brass (Forged), Size: 1/2:, 3/8",	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
630	675	74122000	Sockets for Natural Gas and LPG	Type: Bayonet, Angle Bayonet, Compression 10mm, Micro, Leakage test at 1 bar (1KV). Body: Brass (Forged), Size: 1/2:, 3/8",	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
631	676	74130000	i) Stranded Copper Wire/ cables of copper not electrically insulated.	Sizes: 1.5MM to 1000MM, Voltage Grade: upto 220 KV, BSS-6360:7884	• HDBC • PACC	High Conductivity Copper	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore
			ii) Flexible Cable	$0.5mm^2$ - $240mm^2$, BS-6004, BS-6500	T/S, Elong, DC Resistance IR, HVT (PVC)	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			iii) Instrument Cable	$0.5mm^2$ - $4mm^2$, BS-5308, Pl & PII (Shielded) (Flexible & Stranded.)			
			iv) PVC Power Cable	$0.5mm^2$ - $400mm^2$, BS-6346, IEC-502 (Armoured & Unarmoured)			
			v) XLPE Power Cable	$1.5mm^2$ - $400mm^2$, BS-5467, IEC-502 (Armoured & Unarmoured)			
633	677	74152100	Washers (Brass) including spring washers.	Sizes a) Outter Dia upto 80mm b) Thickness upto 20mm Types As per customer requirements. Thrust Washers various types.	Sintered Washers made from Bronze Powder.	90% Copper & 10% Tin or 100% Bronze.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
634	678	74153300	Brass Screws for wood	Guages 3 - 16 & upto 4" In length - British & DIN Standards	Countersunk & Round Head, Slotted & Phillips.	67% Copper, 33% Zinc	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
635	679	74153900	i) Substation Connectors Mono-metallic / Bi-metallic (Aluminum or Copper Alloys)	NTDC-WAPDA P-176:2011	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore
636	680	76012000	Aluminium Alloy Ingots	As per following standards; JIS, BS, HD2, HD2G, HD4, HD1.1, LM6, LM13, LM24, LM28, ADC12, AC3A, AC4B, AC4C, ADC6, B12G19X, AS7GO6, ALSi12Cu	As per International Standards " JIS, Japan, ASTM, USA and BS, British"	Si =9~12%, Fe =0.6~1.2%, Cu =2 ~3.5%, Mn=0.10~0.80%, Mg =0.10~0.50%, Ni =0.10%, Zn=0.10~1.00%, Pb =0.10%, Sn =0.10%	1) Sun Metal Industries (Pvt. Ltd., Suite # 108, Anum Trader Center, State Avenue, S.I.T.E. Karachi. 2) New Era Industries, F61/G S.I.T.E, Karachi 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
637	681	76041010	Aluminium Rod	9.50 mm ASTM B-233	T/S, Elong, Torsion	Conductivity: 61.4%: Silicon:0.1, Iron:0.4, Copper:0.05, Manganese:0.01, Chromium:0.01, Zinc:0.05, Boron:0.05, Gallium:0.03, Vanadium + Titanium: 0.02, Other Elements:0.03, Other Elements:0.01, Aluminum: 99.5	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
638	682	76042100	Hollow Profiles of Aluminum Alloy	Door / Window Sections: BSS 1474, ASTM-B-221, BSS-3987, AAMA CLASS 1, BSS-1615	• Annodized • Powder Coated	Aluminium Alloy	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
639	683	76042910	Parallel Grooves Connector S-117, S-157, T-110, T-150, T-155, T-220	WAPDA Specification P:25-67	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
640	684	76042990	Profiles of Aluminum Alloy	Door / Window Sections BSS 1474, ASTM-B-221, BSS-3987, AAMA CLASS 1,BSS-1615	• Annodized • Powder Coated	Aluminium Alloy	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
641	685	76051100	Aluminium Rod	Aluminium rod dia 9.5 mm	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
642	686	76051900	Aluminium Wire	ASTM B-230	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
643	687	76052100	Alloyed Aluminium Rod	Alloyed Aluminium rod dia 9.5 mm	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
644	688	76052900	Alloyed Aluminium Wire	Alloyed Aluminium wire All sizes	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
645	689	76061200	Aluminium Composite Panel	Size: 8' x 4' Thickness 4mm	Aluminium Coil & Plastic	PE & PVDF	Akbari Engineering (Pvt) Ltd., Plot No. 188, Sunder Industrial Estate, Raiwind Road, Lahore
646	690	76071100	i) Aluminium Cable foil for telephone industries ii) Aluminium Finstock in continuous length for all types of air conditionersers, deep freezers & Fridges	i) Foil for Telephone industry 0.200mm-0013mm both side of foil with 50u for PE/ Copolymer Coating- 0.004nmm or 0.050mm making on overall substance 0.300mm- 0.005mm (Not over 0.2mm thickness) ii) Aluminium Foil thickness 7-200u, both side or one side with CPV coating, hydrophilic corrosion resistant (Lacquered, Blue, Gold & Silver) not over 0.2mm thick, not backed Aluminium foil not exceeding 0.2mm,	--	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
647	691	76071990	i) Aluminium disposable products for air lines & fast food industries (Kitchen Foil, Utensils)	(Aluminium Trays, Casseroles & Kitchen Foil)	--	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi
			ii) Aluminium Finstock for all types of air conditionersers, deep freezers & Fridges	Aluminium foil not exceeding 0.2mm (Thickness from 0.12mm to 0.20mm both side or one side with CPV coating, hydrophilic corrosion resistant (Lacquered, Blue, Gold & Silver)	--	--	
			iii) Aluminium foil for pharma industries	Aluminium Foil for Blister & Strip Pakcing for Pharma Industries (not exceeding 0.2mm). A. Foil 7-20u sanwich+one side polyester film & other side polyethylene. B. Foil 7-10u other side polyester film with polyethylene coatings. C.7-10u foil with 40-50gsm parchment paper/poster paper + LDPE printed/un-printed alu alu cold forming foil	--	--	
			iv) Alu Alu Cold forming Foil /Alu Alu Blister Foil/ Tropical foil/ Blister foil	OPA Al-foil PVC	Density 2.7 - 5.2 g/cm3, High elastic Strength High Pressure resistance	Not react with the vast majority of foods and pharmaceutical products.	Zenith Packages Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
648	692	76072000	iii) Aluminium foil for pharma industries	Aluminium Foil for Blister & Strip Pakcing for Pharma Industries (not exceeding 0.2mm). A. Foil 7-20u sanwich+one side polyester film & other side polyethylene. B. Foil 7-10u other side polyester film with polyethylene coatings. C.7-10u foil with 40-50gsm parchment paper/poster paper + LDPE printed/un-printed alu alu cold forming foil	--	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi
			Aluminium foil paper backed for cigarette and Tea industries	Thickness not exceeding 0.2mm for aluminum foil 6.0u - 7.0u laminated with paper (tissue paper, poster, paper, board 20 - 400 gsm both Silver & Gold lacquered foil.	N/15am, 45-60gsm elongation 2 - 2.5%	--	
			iv) Alu Alu Cold forming Foil /Alu Alu Blister Foil/ Tropical foil/ Blister foil	OPA Al-foil PVC	Density 2.7 - 5.2 g/cm3, High elastic Strength High Pressure resistance	Not react with the vast majority of foods and pharmaceutical products.	Zenith Packages Industries (Pvt) Ltd., Village Dhonday Pajian Road, Raiwind Lahore
			Laminate for Flexible Packaging (Backed)	Plastic and Aluminum Foil based laminates for flexible packaging	Solid in roll form or bags	Aluminum Foil & Polymer	Packages Convertors Ltd., Shahrah-e-Roomi, P.O. Amer Sidhu, Lahore-54760

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
649	693	76109000	Aluminium Rod	9.50 mm ASTM B-233	T/S, Elong, Torsion	Conductivity: 61.4%: Composition: Silicon: 0.1, Iron: 0.4, Copper: 0.05, Manganese: 0.01 Chromium: 0.01, Zinc: 0.05, Boron: 0.05 Gallium: 0.03, Vanadium + Titanium: 0.02 Other Elements: 0.03, Other Elements: 0.01 Aluminum: 99.5	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
650	694	76110000	Aluminium Tanks	Aluminum Tank for Transportation of Fuel (capacity over 300L)	Truck mounted, trailer type, tow bar type, Rectangular/circular and semi clliptical storage tank. Al refuller and Bowser and mobile dispenser.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi
651	695	76121000	Collapsible tubular Containers of Aluminum	Dia=12.5 to 45-mm	Aluminum Purity 99.75 %	--	Alucan (Pvt) Ltd., E/12, S.I.T.E., Karachi-75730
652	696	76129030	Aluminium Beverages Cans 250 ML, 300 ML	Aluminium	--	--	Pakistan Aluminium Beverage Can Ltd., 29 & 30, M-3 Industrial City, Main Boulevard Sahianwala,, Faisalabad
653	697	76129090	Pilfer Proof Aluminium Caps	22mm, 25mm, 28mm 30 x 35mm	Aluminium caps	--	National Metal Packaging Ltd., Plot No. 148, Sector-30, K.I.A, Karachi-74900
654	698	76141000	i) Aluminium Stranded Conductor / Aluminum Cables	Steel Re-inforced (All Sizes), ASTM B-232, Steel Reinforce (ACSR). Rabbit-Dog-Gopher-Lynx-Osprey, WAPDA P-50-88 Specs. Cables, Aluminum, with steel core, not electrically	As ASTM T/S, Elong, Weight H-12 Strands Aluminium	CU 99% Zinc coating uniformity, Al purity	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 3) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 4) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 5) Multicore Cables, 136 Abid Chembers Temnpal Road Lahore
			ii) Stranded wire, cables, Aluminium not electrically insulated.	Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 220 KV BSS-6360, BSS-215 (Excluding ultra violet treated cables)	ACSR	Aluminium Electrical Grade	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			iii) Conductors (ACSR)	All Types and Sizes	--	--	Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi.
			iv) Aluminum Conductor Composite Core (ACCC)	ASTM B857 Specs., Casablanca, Drake, Plano, Helsinki, Silvassa, Gdansk, Oceanside, Warsaw, Brussels, Lisbon, Vienna	Trapezoidal Aluminum Conductor Stranded over Carbon Fiber Core	Aluminum Electrical Grade	Pakistan Cables Limited, B-21, SITE, P.O. Box No. 5050, Karachi - 75700
655	699	76149000	i) Aluminium Stranded Conductor / Aluminum Cables / Conductors / Aerial Bundle Cable	All Sizes Steel Re-inforced ASTM B-232, ASTM B-231, ACSR, AAC, Rabbit-Dog-Gopher-Lynx-Osprey, WAPDA P-50-88 Specs., Cables, Aluminum, with steel core, not electrically Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 220 KV BSS-6360, BSS-215 (Excluding ultra violet treated cables) Ant-Wasp (AAC) WAPDA P-63-79 Specs. 35mm2 - 120mm2, IEC-60502 NEMA, (XLPE & PVC) (ABC)	As ASTM T/S, Elong, Weight XLPE Aging Test H-12 Strands Aluminium	CU 99% Zinc coating uniformity, Al purity Aluminium Electrical Grade	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi. 5) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 6) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 7) Multicore Cables, 136 Abid Chembers Temnpal Road Lahore
			ii) Aluminum Conductor Composite Core (ACCC)	ASTM B857 Specs., Casablanca, Drake, Plano, Helsinki, Silvassa, Gdansk, Oceanside, Warsaw, Brussels, Lisbon, Vienna	Trapezoidal Aluminum Conductor Stranded over Carbon Fiber Core	Aluminum Electrical Grade	Pakistan Cables Limited, B-21, SITE, P.O. Box No. 5050, Karachi - 75700
			iii) All Aluminium Alloy Conductor (AAAC)	All sizes	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
656	700	76169910	i) Cast Steel Castings	As per client's requirement	--	Steel Scrap=95.7% Ferro Manganese=2% Ferro Silicon=2% Ferro Chrome=0.3%	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Mn Steel Casting	As per client's requirement	--	Steel Scrap=82% Ferro Manganese=14% Ferro Silicon=0.8% Ferro Chrome=2.5% Recarborizer=1.3%	
			iii) Cast Iron Castings	As per client's requirement	--	Pig Iron=75% Steel Scrap=21% Ferro Manganese=2% Ferro Silicon=2%	
657	701	76169990	i) Aluminium disposable products for air lines & fast food industries (Kitchen Foil, Utensils)	(Aluminium Trays, Casseroles & Kitchen Foil) aluminum Metal 65u to 100u with Food grade Coating. (Not over 0.2mm thickness)	--	--	1) Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi 2) Pakistan Metal Industries, D-76, Main Avenue, S.I.T.E. Karachi
			ii) Aluminum Finstock in continuous length for air conditioning industry	Not exceeding 0.2mm thickness from 0.12mm to 0.20mm both side or one side with CPV Coating hydrophllic corrosion resistant (lacquered Blue, Golden & Silver)	--	--	Aluminum Processing Industries Int'l (Pvt) Ltd., D-76, S.I.T.E. Karachi
			iii) Transmission Line Hardware (Tension / Suspension String Fittings/Assemblies for Aluminum Conductors)	NTDC-WAPDA P-143:82 NTDC-WAPDA P-140:82	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore
658	702	82021000	Hand saws of base metal	Hand saw for wood cutting size 10 " to 36 "	1650 -1850 Nmm^2	Cr 1 . C .75 % Mn .7 % Cr .35 % si .04 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi
659	703	82023100	Steel Saws	Gang saw for stone cutting/Marble cutting	Tensile Strength 1350-1400 Nmm^2	Cr 1 , C75 , Mn .7 %Cr .35 % Si .04 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi
660	704	82023900	Steel Saws	Circular saw for wood cutting sizes 4 " to 14"	Cr 1 , C 75 , C 60 . High Carbon alloy steel strip , High Carbon steel strip, Carbon steel strip Tensile Strength 1550 - 1750 Knmm2	C 75 % , Si 0.4 , Cr 0.37 Mn 0.70 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi
661	705	82032000	Hand Tools	Pliers, hand, base metal 4" to 6"	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala
662	706	82041100	Non-adjustable Spanners	8x10mm, 12x14mm, 16x17mm, 20x22mm, 24x26	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala
663	707	82054000	Hand Tools	Screwdrivers, base metal 2 way 4"	--	--	Qureshi Industries Behind Women Degree College Nizamabad (52020) Wazirabad Punjab, Dist. Gujranwala
664	708	82081000	Steel Blades	High Carbon Alloy Steel / High Carbon Steel Strip	CR 1 , C60-80 ,1450- 1700 Nmm^2	--	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi
665	709	82082000	Steel Blades	High Carbon Alloy Steel / High Carbon Steel Strip, Wood cutting band saw blade size 10 mm -255 mmx0.5mm - 1.5 mm	CR 1 , C60-80 , TS 1450- 1700 Nmm^2	C .75 , si 0.4 cr .35 mn .7 %	Abid Industries, CA 318 Goth Shah Beg Gabol Sector 16 B North Karachi
666	710	82121000	Razors, non-electric	Double edge razor blades and plastic bonded disposable razor	--	--	Treet Corporation Limited, 72-B, Kot Lakhpat Industrial Area, Lahore
667	711	82122000	Razors, non-electric	Double edge razor blades and plastic bonded disposable razor	--	--	Treet Corporation Limited, 72-B, Kot Lakhpat Industrial Area, Lahore
668	712	82141000	Pencil Sharpeners	For Pencils	--	--	1) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 2) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore 3) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi
669	713	83013000	Furniture Locks	Chrome plated	--	--	Babar Metal Industries, E/34, Estate Avenue, S.I.T.E., Karachi
New	714	83021010	SS 304 Hermatic and Hygine doors	SS 304, 316	--	--	SAMCON Associates 838-B Sabzazar Scheme Multan Road, Lahore.
New	715	83026000	Hydraulic Door Closure	Overhead Door Closer	Aluminum Body with Steel Parts & Hydraulic Oil	Aluminum Body with Steel Parts & Hydraulic Oil	Pak Precise Engineering (Pvt.) Ltd., 11 Km, Multan Road, (Hanjarwal) Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
670	716	83030000	Metal Lockers, Vault Doors, Safe Lockers, Vaults, Fire resistant Safes and doors, Fire exit doors, Sound proof doors	Different sizes	Fire resistant, bullet resistant and thermal cutting resistant.	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi
671	717	83040000	i) Shelvings of base metal	Mobile Shelving (Compressed Filing System), For offices. Shelving for Supermarkets & Stores.	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi
			ii) Sorting Boxes for office use	Box Type Office and Base Metal for any Equipment	Skid mounted box type office, Living carvan, Kitchen, Laboratoires, Skid mounted medical treatment centre, toilets and rest houses etc.	--	Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi
New	718	83052000	Staples Pins of iron or steel	All Sizes	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700
672	719	83071000	i) Flexible Tube of Base Metals with or without fittings of Iron or Steel or other base metals	- Spiral/Corrugated/Wire Braided Flexible Hose/Tubes/Pipes, Sanitary & Tap's - Flexible Connection	O/D: 12, 14, & 16 mm Pressure: 5 Bar T.S: 500 N	S. Steel of 200, 300 series Brass & Aluminium	Faco Industries Ltd., 204, Bank & Business Centre, Near Duty Free Shop, Off. Shahra-e-Faisal Karachi.
673	720	83079000	ii) Other Base Metal	- Spiral/Corrugated/Wire Braided Flexible Hose/Tubes/Pipes, Sanitary & Tap's - Flexible Connection	O/D: 12, 14, & 16 mm Pressure: 5 Bar +I1057T.S: 500 N	S. Steel of 200, 300 series Brass & Aluminium	Faco Industries Ltd., 204, Bank & Business Centre, Near Duty Free Shop, Off. Shahra-e-Faisal Karachi.
674	721	83082000	Rivets	Aluminum Blind Rivets Guages : 3.00, 4.20 & 4.80mm Lengths: 5.00 to 25.00mm	Aluminium tubes with steel mandrel.	Al. 98% Si 0.4%, Cu 0.2%, Mn 0.2%, Mg. 0.5 to 1.1%, Cr. 0.1%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
675	722	83099090	i) Threaded Bungs and bung-covers	2", 3/4" British Standard	--	--	Babar Metal Industries, E/34, Estate Avenue, S.I.T.E., Karachi
			ii) Aluminium PP Caps for Bottles	22mmPP; 25mmPP; 25mmRO; 28mmRO; 30*34mmED; 30*60mmED	--	Food Grade	Daim Pak (Pvt) Ltd., 18 Km Sheikhpura Road, Lahore
			iii) Aluminium Caps	20mm to 50mm	Aluminium caps	--	National Metal Packaging Ltd., Plot No. 148, Sector-30, K.I.A, Karachi-74900
New			iv) Flip Off Seal	Pharma grade (INH Specifications)	Outer Dia: 22.0 mm Inner Dia of Aluminum: 20.0 mm Height of Al & Plastic: 8.5 mm Thickness of Al: 0.21 mm Color of Plastic: Blue		Ghani Metal & Rubber Industries (Pvt.) Ltd., Plot No. 62-A, Phase-II, M-3 Industrial City FIEDMC, Faisalabad.
New	723	8310.0010	Blank Plate: Retro-Reflective Blank Plate for Registration Number Plate of 2/3 Wheeler (Motorcycle, Rickshaw & Quinqi) with Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7% Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate).	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking. All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd., DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.
New	724	8310.0020	Blank Plate: Retro-Reflective Blank Plate for Registration Number Plate of 4 Wheeler & above (Motor Vehicle, Bus, Truck & Trawler etc) with Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7% Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate).	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd., DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New	725	8310.0030	Finished Plate: Retro-Reflective Embossed Plate for Registration Number Plate of 2/3 Wheeler (Motorcycle, Rickshaw & Quinqi) with all security feature markings & Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7%.Embosing height: 1.2 mm to 1.6 mm. Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate). DCR compalible with plate size 7 recognized through camera.	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd., DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.
New	726	8310.0090	Finished Plate: Retro-Reflective Embossed Plate for Registration Number Plate of 4 Wheeler & above (Motor Vehicle, Bus, Truck & Trawler etc) with all security feature markings & Two Holes for fixing the plate ISO-7591 Material Specification Motor Vehicle Rule-32 of 1969, Plate Specification	Retro-reflective sheet with embedded graphic print laminated on flat & smooth edge Aluminum Substrate. AluminumPlate Thickness: 0.8 mm to 1.2 mm in sheet or Roll Aluminum Purity: 99% to 99.7%.Embosing height: 1.2 mm to 1.6 mm. Plate Colour : White (Private). Yellow (Commercial), Green (Government), Blue (Police) & Red (Consulate). DCR compalible with plate size 7 recognized through camera.	Low density, non-toxic, corrosion resistant, non-magnetic and non-sparking.All weather resilient, durable, flexible & resistance to Impact. Bend, Water, Fuel, Saline Mist, Retro -reflective sheeting of lens elements adhesion to Aluminum substrate.	Aluminum alloy (AA 1100) of purity 99%, AA 1050 of purity 99.5%, AA 1070 of purity 99.7% or more.	Progressive Engineering Associates (Pvt.) Ltd., DP-55, Sector 12-C, North Karachi, Industrial Area, Karachi.
676	727	83111000	i) Metal Electrodes	ASTM, JIS All International Spec	--	--	Chaudhri Electrode Industries (Pvt) Ltd., 29 Km Lahore Sheikupura Road, Lahore
			ii) Welding Electrode (Hard Surfacing, Cast Iron, SS, etc)	E-6013, E-7016, E-7018,	As per AWS standards	As per AWS standards	Shanghai Industries (Pvt.) Ltd., Suite # 408, Marine Point, Block -9, Khayaban-e-Romi, Clifton, Karachi.
			iii) Special Stick Welding Electrodes	AWS: E 308L-16 AWS: E 316L-16 AWS: E 2209-17 AWS: E 309L-16 AWS: E 310-16 AWS: E 307-26 AWS: E 312-16 AWS: E NiCrFe - 3 AWS: E NiCrMo- 5 AWS: E NiCrFe - 2 AWS: E Ni C2 AWS: E NiFe- C1 AWS: CuSn-C AWS: CuSn- C/A DIN8555: E6- UM-55-PS DIN8555: E7- UM-250-K DIN8555: E10- UM-65-Z DIN8555: E4- UM-60(65W)-S DIN8555: E10- UM-65-GRZ DIN8555: E8- UM-250- KPN DIN8555: E10- UM-60-GZ	Different	Different	Metallogen (Pvt) Ltd., 175 – S, Industrial Estate, Kot Lakhpat, Town Ship, Lahore 54000.
			iv) Welding Electrode: (OVERCORD S, E-7018, NIFE-55, UNIVERSE, 80 R, DUR 350,V 1000 & INOX 29/9)	AWS/ASME SFA-5.1 E6013 AWS/ASME SFA-5.1 E7018 AWS/ASME SFA-5.15 E NiFe-C1 AWS/ASME SFA-5.1 E 7016 DIN 8555 E 6-UM-60 DIN 8555 E 1-UM-300 DIN 8555 E-10-UM-60 R AWS/ASME SFA-5.4 E 312-16	--	--	Pakistan Welding Electrodes (Pvt) Ltd., Plot No. E-19, S.I.T.E. Karachi
677	728	83112000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm (Excluding Fluxed cored stainless steel welding wire)	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
678	729	83113000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore
679	730	83119000	CO_2 Gas Shielded Arc Welding/Mig Welding Wire 0.80 mm, 0.90 mm, 1.00 mm, 1.20 mm and 1.60 mm	AWS ER70S6/DIN SG2/GB ER56-6	Copper Coated/Tensile Strength>490 Mpa/Elongation>26%/Shrinkage>72%	C: 0.06~ 0.15 SI: 0.80~ 1.15 Mn: 1.40~ 1.85	Bead Tech (Pvt) Ltd., 22-KM, Lhr-Skp. Rd, Stop Qilla Sattar Shah, Pindi Das Rd., Lahore
680	731	84021110	i) Boiler Feed Water Heaters	For upto 350 MW Boilers, ASME Sec. 1 / B.S.S. & as per customers requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
			ii) Boilers, steam generating, watertube type/ iii) Oil/gas/bagasse fired water tube boiler iv) Coal /Biomas Fired Steam Boilers	i) Direct Fired Water Tube Boiler Capacity up to 350 TPH & 150 Kg/cm2) ii) UPTO 290 TPH, 136 Barg, 535°C iii) Oil/gas/bagasse fired water tube boiler upto 200 ton/hr capacity and 87 bar pressure Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	ASME Sec. 1	High pressure/Low pressure steam production	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 3) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 4) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 5) Heavy Mechanical Complex (Pvt) Ltd., Taxila 6) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 7) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 8) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 9) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 10) The Sitara Engineers, Nishatabad, Sheikhupura Road,
			v) Thermal power plants	Thermal power plants upto 360MW	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
681	732	84021120	Waste Heat Recovery Boiler	Waste Heat Recovery Boiler (WHRB) capacity up to 350 TPH & 150 Kg/cm^2	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area , 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore 3) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 4) Heavy Mechanical Complex (Pvt) Ltd., Taxila
			Boilers, steam generating, watertube type	Waste Heat Recovery Boilers, 1.5 to 50T/PH Capacity & pressure upto 6 bar to 50kg/cm2 inclusive of Parts & equipments	--	--	DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
			Waste Heat Recovery Boiler	As per client's requirment	--	--	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
682	733	84021130	i) Heat Recovery Steam Generators	Heat Recovery Steam Generators (HRSG) 200 MW, water tube type. Single or multiple unit, behind all types of Gas Turbines, Diesel and Gas Engines & as per customers requirements	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi
			ii) Condensers, Mixing Steam	Capacity up to 350 TPH & 150 BARG for (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator)	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
683	734	84021190	i) Thermal power plants	Thermal power plants upto 360MW	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road, Lahore
684	735	84021200	i) Boilers, steam generating, watertube type	i) Package Type Fire Tube (upto 30T/PH & pressure upto 24 to 50 kg/cm2 inclusive of Parts & equipments) ii) Upto 65 ton/hr, 40 kg/cm2, ASME Sec. 1 iii) Water tube boilers (4 HP TO 155 HP, 120,000 BTUS/HR to 5,200,000 BTUS/HR) iv) Steam Generators (100 to 1200 Kg/Hr steam output. v) Forced Draft, Water Tube Heater With Natural Gas (150,000 to 6,500,000 Btuh input) vi) 1 TPH ~ 100 TPH 1 BAR ~ 15 BAR, etc vii) Direct Fired Water Tube (up to 350 TPH & 500 Kg/cm2) viii) UPTO 290 TPH, upto 136 Barg, 535°C ix) Coal /Biomas Fired Steam Boilers (Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed)	As per clients requirement	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 6) Fabricon (Private) Limited, First Floor, Qazi House, ST-5, Block 16, Gulshan-e-Iqbal, Karachi-75300. 7) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore 8) Brothers Engineering Ltd., 135-Upper Mall, Lahore. 9) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 10) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 11) Descon Engineering Limited, DESCON Manufacturing Business Area 2 KM Defence road, Off: KM Multan Road, Chung Lahore 12) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad 13) Heavy Mechanical Complex, Taxila 14) The Sitara Engineers, Nishatabad, Sheikhupura Road,
			ii) Duct Heaters Gas or Oil Fired iii) Electric Hot Water & Steam Boiler iv) Hot Water Storage Heater	As per client's requirment	As per clients requirement	--	Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi
			v) Oil/gas/ fired, water tube, membrane walled boilers	(upto 45 tons/hr, 64 Kg/cm^2 pressure) Bagasse fired (upto 45 tons/hr & pressure 42 Kg/cm^2	As per clients requirement	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
			vi) Thermal power plants	Thermal power plants upto 360MW	As per clients requirement	--	
685	736	84021910	Fired Tube Boilers	i) Upto 45 tons/ hr/ More than 45 tons/ hr ii) Upto 25 ton/hr steam and 24 kg/cm2 pressure. iii) Up-to 30 TPH , 2PASS, 3 PASS and 4 PASS & as per customers requirements	As per clients requirement	--	1) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi - 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block New Garden Town, Lahore 7) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 8) Heavy Mechanical Complex (Pvt) Ltd., Taxila 9) Heavy Mechanical Complex-3, Hattar Road, Taxila 10) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
			Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
686	737	84021920	Waste Heat Recovery Boilers / Waste Heat Boilers (WHB's)	up to 350 TPH & 500 Kg/cm2 with steam turbine Behind Cement Kilns, Incinerators, Furnaces, Gen Sets & Other Process Applications Upto 136 Barg & as per customers requirements Any type of boiler / waste heat recovery, heat recovery steam generator excluding water tube	As per clients requirement	--	1) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 6) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 7) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad 8) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
687	738	84021930	Heat Recovery Steam Generators/ Other boilers	Behind gas turbines, gen sets upto 275 mw/ Any type of boiler / waste heat recovery, heat recovery steam generator excluding water tube	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
688	739	84021990	i) Complete Hybrid Boiler.	Saturated Steam, Furnace with Combustion Grate Deduster with accessories and auxiliary machinery for boiler comprising of boiler drum, economizer, draft fan and accessories 1-15 TPH, 12 Bar, 500 Kg/hr to 1000 KG/hr 2 Bar to 10 Bar & as per customers requirement	--	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road, 6) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
			ii) Boilers, vapour generating, excluding watertube type	i) Upto 20 ton/hr, 40 kg/cm^2, SME Sec. 1 / B.S.S. & as per customers requirements ii) 4 Pass , Fire Tube, 250 TO 1000 H.P.	Forced Draft, consisting, Shell, Fire Tubes, Tube Plates, ASME code	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi
			iii) Coal /Biomas Fired Steam Boilers	Travelling grate bed, Bubling fluidized bed, Circulating fluidized bed	High pressure/Low pressure steam production	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) Gresham Eastern (Pvt) Ltd., F-302, S.I.TE., Karachi 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 5) The Sitara Engineers, Nishatabad, Sheikhupura Road, Lahore
689	740	84022000	i) Boiler Superheaters	i) Capacity Up to 350 TPH, 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator), used for upto 350 MW Boilers, ASME Sec. 1 / B.S.S. & as per customers requirements ii) Upto 65 ton/hr, 40 kg/cm2, ASME Sec	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
			ii) Boilers, high pressure	i) Upto 65 ton/hr, 40 kg/cm^2, ASME Sec. 1 ii) Upto 290 TPH, 136 barg, 535 C or As per customer's requirement iii) 1 TPH-100 TPH, 250-550 °C, 1Bar ~100 Bar	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 5) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
690	741	84029090	Boiler Equipment/Parts	Parts/Accessories/Ancillaries of all types of Boilers like Drum, Deaerator, Economizer, Condenser, Evaporator, Tube Panel, Chimneys, Steel Structure, Cuts/ Chutes up to 350 TPH for upto 350 MW Boilers, Capacity , 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator) Drums for steam boilers (ASME, Corten Steel, Size as per capacity of boiler 3Ft Dia, 15 Ft Thickness - 5mm - 25mm 8" - 16" as per customers requirements)	ASME Sec. 1	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi, 6) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 7) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 8) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi
691	742	84031000	Boilers, central heating	Fire Tube, Dry Back,Boilers For Steam and Hot Water, All As Per AMSE Codes. 250 To 1000 H.P. , 3.8 Tons to 15.4 Tons	As per ASME Code	--	1) Industrial & Mechanical Engineers, 403, Noor Estate Building Shahrah-e-Faisal Karachi 2) Haseeb Waqas Engineering Ltd., 103, B/1, M.M. Alam Road, Gulberg.III Lahore
692	743	84041000	Auxiliary plants for use with boilers of heading 84.02 or 84.03	Following equipments for water tube, fire tube, waste heat recovery boiler, heat recovery steam generator of capacity Up to 350 TPH, 150 BARG) (Economizer, Dearator, Air pre heater, Steam Coil Air Pre Heater, Evaporator, Silencer, Super Heater, Collector /Accumlator for Steam, Boiler Feed Water unit, Steam storage, Collectors for steam boilers, De-super-heaters for steam or vapour-Generating,	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 6) Industrial & Mechanical Engineers, 403, Noor Estate Building Shahrah-e-Faisal Karachi
693	744	84042000	Condensers for steam or other vapour power / Boilers	For Capacity up to 350 TPH & 150 BARG for (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator) - Evaporators, Vapour Cells, Falling Film Evaporators, Vacuum Pans, Vacuum Filters, Pressure Filters, Crystallizers, Heat Exchangers, Gas Scrubbers, Multi Trays Clarifiers, Multi Jet Condensers, Cascade Condensers, Rain & Shower Type Condensers, Fluidized Bed Dryers, Counter Flow Dryers, Rotary Dryers.	1) Evaporators upto 5500 mm dia & 10050 mm length. 2) Shell & Tube Type Pre Condensers upto 1700 mm dia & 6000 mm length. 3) Vertical Condensers upto 2012 mm dia & 6800 mm length. Horizontal Condensers upto 2012 mm dia & 6800 mm length. 4) Shell & Tube type Heat Exchangers upto 1700 mm dia & 5000 mm length. 5) Shell & Tube type evaporators upto 5500 mm dia & 14000 mm length.	In accordance to ASME Sec 1, TEMA HEI	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
			Condensers, steam	i) Steam heating Coils (1HP, 1.5 HP, 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 20HP, 30HP, 40HP, 50HP, 60HP and 80HP & as per customers requirements) ii) Chilled Water Coils (Aluminium Fins-Coated & Un-coated) 6HP, 10HP, 12.5HP, 18HP, 25HP, 30HP, 38HP, 50HP, 60HP, 75HP and 100HP iii) Chilled Water Coils (Copper Fins) 10HP, 20HP, 30HP, 40HP, 50HP, 60HP and 80HP iv) Shell & Tube (Condensers/ Evaporators & Chillers) 3HP, 5HP, 7.5HP, 10HP, 15HP, 50HP and 75HP.	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
New	745	84051000	i. Gasifier (ALEX GASIFIERS) Series: PGF	Capacity: upto 30 MMBtu/hr Pressure: N/A, Temperature: N/A, Fuels: Coal/Biomass			Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi
New			ii. Liquid Fuel Gasifier (ALEX GASIFIERS) Series: LGF	Capacity: upto 100 MMBtu/hr Pressure: upto 10 Bar, Temperature: N/A, Fuels: HFO, Diesel, Kerosine, Waste Oil, Condensate			

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
694	746	84068200	Combined Cycle Power Plants	As per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
695	747	84089000	Single Cylinder Diesel Engines	3HP to 36 HP	--	--	1) Best Engineers, 31-KM Ferozepur Road, Lahore 2) Perfect Engineering Company, Moza Bahi Kot, Raiwind, Industrial Estate, Raiwind, Lahore 3) Kam Engineering (Pvt) Ltd., Behind Glaxo Lab. Off 19 Km Ferozepur Road, Lahore
696	748	84109010	Parts of Hydraulic turbines, water wheels, and regulators	Radial Gates. Draft tube gates, fixed wheel gates, bulk head gates, penstock, draft tube, tail race liners, spirla/ involute turbine casing, head covers, botton rings, trash rack, sill beams, stop logs, wicket gates etc. (For any type and range)	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
697	749	84109090	Regulators for hydraulic turbines and water wheels / Penstocks	Penstocks of upto 10.6M dia x 40mm thickness, AISI, BS-7191, BS-5950 / As per client's requirment	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 5) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
698	750	84131100	i) CNG Dispenser	--	--	--	1) Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad 2) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700
			ii) Fuel Transfer Pump [Others]	Used for diesel/water transfer, Capacity: 1500 Ltr/min	Material: Carbon Steel	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
699	751	84131910	Acid Shifting Pump	Used for acid shifting, filling Capacity: 160 Ltr/min	Material: Alluminium with rubber hose	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
New	752	84133020	Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
700	753	84133090	Gear Oil Pump	Sizes a) Outter Dia upto 80mm b) Height upto 35mm As per customers requirements.	Hardness of upto 90 HRB. Also includes Grindings & other secondary operations	Iron / Steel.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
New			Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
701	754	84137011	Centrifugal pumps (Submersible)	i) Submersible motor sewage disposal pumps with non clogging impeller ii) Submersible motor water lubricated vertical bore hole single or multistage pumps	i) DN: 100-175,Q upto 480 m^3/hr, H upto 250 m. ii) DN: 75-350, Q upto 840 m3/hr, H upto 480m.	i) Cast Iron (GG-25), SS, Duplex and Super Duplex ii) Cast Iron (GG-25), Bronze (G-CuSn10), SS, Duplex, Super Duplex	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore
702	755	84137019	Submersible Pumps	i) Flow range from 2.4 m3/h (40 LPM) up to 156m3/h (2600 LPM), Head range from 3 meter (10 Feet) up to 567 meters (1860 Feet) ii) Flow range from 12 m3/h (200 LPM) up to 324m3/h (5400 LPM)Head range from 7 meter (23 Feet) up to 560 meters (1837 Feet)	i) Stainless steel fabricated laser welded diffusers & Impellers. ii) Casted diffuser & impellers.	i) Stainless Steel AISI 304 ii) Cast Iron GG25	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore
				iii) Upto 100 Watt	--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore
703	756	84137090	i) Centrifugal pumps	i) Stainless Steel Submersible Bore Hole Pump	--	--	1) HMA Pumps, 604, Israr Plaza, Ground Floor, Near Lane No. 5, Main Peshawar Road, Rawalpindi Cantt., 2) KSB Pumps Co. Ltd., 16/2, Sir Agha Khan Road, Lahore
				ii) Horizontal centrifugal pumps with non-clogging impeller (Excluding API 610 and NACE MR 0175 compliance)	DN: 40-700, Q: upto 10000 m^3/hr, H upto 100m.	Cast Iron (GG-25),Bronze (G-CuSn10),Ni Resist D-2,SS (1.4408),Duplex and Super Duplex	
				iii) Single stage, Axially split volute casing pump with double flow impeller (Excluding Jet pumps and downhole positive displacement pumps for artificial lift from oil wells alongwith spares)	DN: 200-350,Q:2900 cu m/hr, H upto 100 m.	Cast Iron (GG-25),Stainless Steel	
				iv) High pressure multistage pump in ring section design	DN:40-150,Q: 760 m^3/hr,H:630m (max pressure 63 bars)	Cast Iron (GG-25),Cast Steel (GS-C25N)	
				v) Vertical single stage sewage and effluent disposal pumps in wet and dry pits design with non clogging impeller.	DN:65-700,Q upto 10000 m^3/hr, H upto 85 m.	Cast Iron (GG-25), Bronze(G-CuSn10), Wear Resist Nickel Cast Iron (ERN),Austenitic NiCrMo,Stainless Steel(1.4408),Creep Resist Ferritic,Cast Steel,Duplex and Super Duplex.	
				vi) Vertical line shaft bore hole single or multistage pump (Excluding jet pumps and down hole positive displacement pumps artificial lift from oil wells along with spares)	DN: 80-500,Q upt 2600 m^3/hr, H upto 250 m.	Cast Iron (GG-25),Bronze (G-CuSn10),Ni-Resist D2 (ERN), Duplex and Super Duplex	
				vii) Tubular Casing pumps	DN: 300-800, Q upto 9500 m^3/hr, H upto 50 m.	Cast Iron (GG-25),Ni-Resist D2,Stainless steel, Duplex and Super Duplex.	
				viii) Multistage Vertical / Horizontal High Pressure Centrifugal Pump (CR) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 25-125. Q: up to 120 m3/h,H: 320 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304),Temp: 120 C°	
				ix) Booster Pumping Station [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 25-125. Q: up to 420 m3/h,H: 200 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304),Temp: 120 C°	
				x) Deep Well Turbine Pumps (BP) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 75-150. Q: up to 5-280 m3/h,H: 200 m	Cast Iron (CG-25), Stainless Steel DIN W.- Nr. (1.4301),AISI (304/316),Temp: 120 C°	
				xi) Bore Hole Submersible Pump (SP) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 25-125. Q: up to 280 m3/h,H: 600 m	Stainless Steel DIN W.- Nr. (1.4301),AISI (304),Temp: 120 C°	
				xii) End Suction Single Stage Centrifugal Pump (NB/NP) [Excluding High Pressure / Alloy Steel / API / NACE Standard Compliant]	DN 32-200. Q: up to 450 m3/h,H: 120 m	Pump Housing Cast Iron (EN-GJL-250),Impeller Cast Iron / Bronze (EN-GJL-250/ CuSn10),Temp: 120 C°	
				xiii) RPK Type in accordance with API 610 (6th Edition). (Excluding Jet Pumps and downhole positive dsiplacement pumps for artifical lift from Oil Wells Alongwith spares)	DN: 80-100 Q: up to 270 cumetre/hr H: up to 58 m RPM: up to 2900	Available in Cast Steel (GS-C25N) and Stainless -Steel (1.4408) in accordance with API 610 Material Combinations	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Self-Priming, Centrifugal, High-Pressure Pumps	Size: DN 50x50 to DN 600x500mm Flow: 10 gpm (2 cu.m/hr) to 30,000 gpm (6815 cu.m/hr) Pressure/Head: 10 ft (3m) to 140 ft (43m)	Casing: Ductile Iron ASTMA48/ Aluminum / Copper Alloy. Impeller:Close-Type, 5 To 6-Vanes. Cast Steel ASTMA48 / Bronze/ Copper Alloy / S.S. Impeller Shaft: Stress Proof Steel SAE1144 Wearing & Back Plates: ASTMA48 / Aluminum / Copper Alloy Flanges: ASTMA48 / Aluminum / Copper Alloy Gasket & O-Rings: Buna-N / Compressed Synthetic Rubber Mechanical Seal: Self-lubricated, self-aligning, double floating seal sustains max. liquid temperature up to 160F or 71ºC.	--	Meraj Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135, Karachi – 74900
			iii) Self-Priming, Centrifugal (Non-Clog) Trash Pumps/ Irrigation pumps	Size: DN 38x38mm to DN 450x450mm Flow: 50 gpm (11.4 cu.m/hr) to 8660 gpm (1970 cu.m/hr) Pressure/Head: 20 ft (6m) to 475 ft (145m)	Casing: Ductile Iron ASTMA48 / Impeller: Close-Type, 2 To 5-Vanes. Cast Steel ASTMA48 Impeller Shaft: Stress Proof Steel SAE1144 Wearing & Back Plates: ASTMA48 Flanges: ASTMA48 Gasket & O-Rings: Buna-N / Compressed Synthetic Rubber Mechanical Seal: Self-lubricated, self-aligning, double floating seal sustains max. liquid temperature up to 160F or 71ºC.	--	
			iv) Combined Normal and High Pressure Fire Pump	Flow: 100 gpm (22.8 cu.m/hr) to 2000 gpm (455 cu.m/hr)	--	--	
			v) Gland Pump Centrifugal Single stage end suction top discharge horizontal Shaft Tool mounted Pump.	Head : 15-210 feet Discharge : 3180-50 US gmp	Casing : S. S. (Commercial), Cast Iron Shaft : S.S., Carbon Steel Impeller : S.S., Bronze, Cast Iron Stuffing Box : Gland Packing, Mechanical Seal.		Golden Pumps (Pvt) Ltd., G.T. Road Gujranwala
704	757	84138100	Pumps	i) RPH Pumps Horizontal configuration in accordance with API 610 (11th Edition) suitable for all API Pump applications in chemical, Oil & Gas sector, energy and petrochemical industry	DN:25-400,Q upto 4150 m^3/hr, H upto 270 m,T:-70C to 450C.	Available in all types of material cmbination in accordance with API 610/ISO 13709	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore
				ii) Horizontal volute casing and suction pump with radial vane impeller (Excluding API 610 and NACE MR 0175 Compliance)	DN:32-300,Q upto 1900 m^3/hr, H upto 102 m.	--	
				iii) RPK Type in accordance with API 610 (6th Edition). (Excluding Jet Pumps and downhole positive dsiplacement pumps for artifical lift from Oil Wells Alongwith spares)	DN: 80-100 Q: up to 270 cumetre/hr H: up to 58 m RPM: up to 2900	Available in Cast Steel (GS-C25N) and Stainless -Steel (1.4408) in accordance with API 610 Material Combinations	
705	758	84144000	i) Air Compressor mounted on Wheeled Chasis / Air Compressor Mounted	0-15 bar screw type, 3.5-250 kw 4.5-12 kw	Screw type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore
			ii) Cyclone (Dust Collector)	Output: 5 - 15 TPB	To reduce moisture of grain and make it feasible for processing	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke
706	759	84145110	Ceiling Fans	i) 80-88 Volts, not over 125 W	Grade - A	--	1) Metro Hi-Tech (Pvt.) Ltd., G.T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
				ii) Size:56", Volts: 220/230, RPM: 315, Cycle: 50, Type: Capacitor, Watts: 70, Air Dislacement cu.ft. /min: 12000, Service Value: 170 Size: 48", Volts: 220/230, RPM: 330, Cycle: 50, Type: Capacitor, Watts: 62, Air Dislacement cu.ft. /min: 8500, Service Value: 140 Size: 36", Volts: 220/230, RPM: 400, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 6500, Service Value: 130	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat
707	760	84145120	Pedestal Fan	Size: 20", Volts: 220/230, RPM: 1300, Cycle: 50, Type: Capacitor, Watts: 75, Air Dislacement cu.ft. /min: 3500, Service Value: 46 Size: 22", Volts: 220/230, RPM: 1250, Cycle: 50, Type: Capacitor, Watts: 80, Air Dislacement cu.ft. /min: 5000, Service Value: 50 Size: 24", Volts: 220/230, RPM: 1250, Cycle: 50, Type: Capacitor, Watts: 110, Air Dislacement cu.ft. /min: 6000, Service Value: 48 Size: 26", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 110, Air Dislacement cu.ft. /min: 6000, Service Value: 46	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Super Asia Group of Companies, Near Lahori Octori, G. T Road, Gujranwala 3) Yunas Metal Works,(Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat 4) CECO Electrical Industries, G.T Road Gujrat
708	761	84145130	Table Fans,	--	--	--	1) Super Asia Group of Companies, Near Lahori Octori, G. T Road, Gujranwala 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat 3) CECO Electrical Industries, G.T Road Gujrat
				1400mm Size = 56" Volts = 220v RPM=325 Cycles = 50 Type= Capacitor Watts = 80 Air Displacement Cft/Min = 8825 Service Value = 110.31	--	--	1) General Fan Company (Pvt) Ltd., G.T. Road, Gujrat 2) Yunas Metal Works, (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat
				Size: 16", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 2500, Service Value: 45 Size: 18", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 65, Air Dislacement cu.ft. /min: 3000, Service Value: 46	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat
709	762	84145140	Exhaust Fans	Size: 8", Volts: 220/230, RPM: 1400, Cycle: 50, Type: Capacitor, Watts: 30, Air Dislacement cu.ft. /min: 800, Service Value: 27 Size: 10", Volts: 220/230, RPM: 1400, Cycle: 50, Type: Capacitor, Watts: 35, Air Dislacement cu.ft. /min: 1000, Service Value: 29 Size: 12", Volts: 220/230, RPM: 14000, Cycle: 50, Type: Capacitor, Watts: 50, Air Dislacement cu.ft. /min: 1500, Service Value: 30 Size: 16", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 85, Air Dislacement cu.ft. /min: 2500, Service Value: 38 Size: 18", Volts: 220/230, RPM: 950, Cycle: 50, Type: Capacitor, Watts: 85, Air Dislacement cu.ft. /min: 3000, Service Value: 40 Size: 24", Volts: 220/230, RPM: 900, Cycle: 50, Type: Capacitor, Watts: 140, Air Dislacement cu.ft. /min: 6000, Service Value: 43	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Yunas Metal Works (Pvt) Ltd. (Yunas Fan), Yunas Colony, G. T Road Gujrat
			Exhaust / vent Fans (Various Types);	300 to 129,000 cfm and as per customer requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
710	763	84145190	i) Box Fans/Misting Fan	1400mm Size = 56" RPM = 325 Cycles = 50 Type = Capacitor Watts = 80 Air Displacement CFT/Min = 8825 Service Value = 110.31	--	--	General Fan Company (Pvt) Ltd., G.T. Road, Gujrat

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Other (Fans)	Bracket Fan: Size: 16", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 50, Air Dislacement cu.ft. /min: 2500, Service Value: 45 Size: 18", Volts: 220/230, RPM: 1300, Cycle: 50, Type: Capacitor, Watts: 65, Air Dislacement cu.ft. /min: 3000, Service Value: 46 Plastic Louver Fan: Size: 14", Volts: 220/230, RPM: 1350, Cycle: 50, Type: Capacitor, Watts: 55, Air Dislacement cu.ft. /min: 2000, Service Value: 36	--	--	Wahid Industries Ltd., G. T. Road, Gujrat
711	764	84145910	i. Centrifugal Fans (VFB & VBI)	350-129,000 CFM and as per cutomer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
New			ii. 'Plug Fans	295-41200 CFM			Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
712	765	84145990	i) Industrial fans	- Rotor diameter upto 1.6 meter	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
				- Axial and Centrifugal Types of Centrifugal Fans: Backward, Forward, Radial Air Flow Rate Range: 1000 to 500,000 CFM Static Pressure Range: 0.1 to 150 inch of WG	Material: Aluminum, Stainless Steel, FRP	--	1) Jalal Engineering, B-425, Block 13, F.B. Area, Karachi – 75900 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			ii) Split Package, Ceiling suspended/ Wall mounted/Floor standing units	up to 60000 btu/hr and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
			iii) Length Grader (Rice Indented Cylinder)	Rotation Speed: 2900 RPM, Air Pressure: 600 - 2000 (Pa), Power: 3.5 - 30 Kw	To use as Dust Blower, Destoner Fan, Paddy/Rice cleaning	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke
			iv) Damper Valve	500mm to 5000mm dia, square & Round	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
			v) Air Slides	300 Ton / hours	--	--	
			vi) Industrial Fans	Fan with Rotor Dia Upto 3 mtr with Flow Volume Upto 735000 BM3/h	--	--	
713	766	84146000	Kitchen Hood	60 to 90 cm Tempered Glass, VDF or LED Display, Filter, Chimney etc.	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala
714	767	84148010	Piston Type Compressor	300-500 bar pressure	Piston type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore
715	768	84148020	Low Pressure Compressor	0-15 bar screw type, 3.5-250 kw	Screw type	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore
716	769	84148040	Air Curtains	680 to 1355 cfm and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore
717	770	84148090	Compression Skid	Reciprocating Types	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
718	771	84151019	Air Conditioners:	Window or wall type (9000 BTU, 12000 BTU, 18000 BTU, 24000 BTU along with commercial HVAC equipment upto 60000 BTU) and as per customer requirements	Window or wall type	--	1) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2, Islamabad 4) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 5) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
719	772	84151029	i) Air-conditioners, self-contained,split package	12000BTU to 240,000 BTU/hr - Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 4-30 Tons - Air Cooled split packeged 4-30 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - WCP-Water / air cooled packaged type A/Cs 3-150 Tons and as per customer requirements	Split Type/ package type	--	1) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2, Islamabad 4) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 5) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 6) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 7) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 8) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.
New			ii) ECU Model Special Purpose cooling of Radars System	Custom Make	Precision Environment control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
720	773	84151099	i) Air-conditioners, self-contained, wall type	9000 BTU, 12000 BTU, 18000 BTU, 24000 BTU along with commercial HVAC equipment upto 1800000 BTU and as per customer requirements	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 4-30 Tons - Air Cooled split packeged 4-30 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water / air cooled packaged type A/Cs 4-42 Tons	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 4) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 5) Dawlance (Pvt) Ltd. , Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 6) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 7) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			ii) Precision Cooling Split Package Air conditioners	18000 to 298640 btu/hr & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
			iii) Fresh Air Units	300 to 20000 CFM, & as per customers requirements	--	--	
New	774	84151099	i) Precision cabinets for solar based power generation	Custom Make	Precision Solar energy control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
New			ii) BMS Air conditioning	Custom Make	Integrated Air conditioning control	--	
New	774	84152090	DC 24V-AC Package unit for vehicle air-conditioning	Custom Make	Exclusively designed with DC(Direct current) 24 V-AC	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
721	775	84158190	i) Air Conditioners (Reverse Cycle)	i) Wall/floor/ceiling/cassette type etc.(9,000 to 30,000 Btu/hr) ii) Air Cooled Self Contained & Split Package Commerical (39,000 to 1800,000 Btu/hr) iii) Trolley mounted, self contained units (50,400 to 600,000 Btu/hr) iv) Air Cooled Split Type, Em Series (Cooling/ Heating) (49,200 / 49,500 Btu/hr) v) Water Cooled Packaged type (39,000 to 1800,000 Btu/hr) vi) Air Conditioning/ Heating Unit vii) Free Cooling Unit, Flexi Box 450/48 TWCA	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contained 3.25-150 Tons - Air Cooled split packeg 3,25-150 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water / air cooled packaged type A/Cs 3.25-150 Tons	--	1) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, Raiwind Road, Lahore 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 3) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 4) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad. 5) Habibullah Industries (Pvt) Ltd. , 3rd Floor, Progressive Plaza, Beamount Road, Civil Lines, Karachi. 6) Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 7) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 8) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			ii) Hybrid Cooling System	Up to 2000 CFM, & as per customers requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
722	776	84158290	i) Fan coil units	Fan Coil Units Ceiling Suspended ducted type, Fan Coil Units with Sheet Metal Body Industrial type. Computer Room Airconditioners 48,000 to 240000 BTU's/Hr & as per customers requirements with Humidifiers & Electric Heater.	--	--	1) Habibullah Industries (Pvt)Ltd, 3rd Floor, Progressive Plaza, Beamount Road,Civil Lines, Karachi 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			ii) Refrigeration units for cold rooms & trucks	+15c to -40c and as per cutomer requirements	To Compress & Heat Exchange	--	1) Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore. 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
723	777	84158390	i) Air Handling Units	1500 to 50,000 cfm & as per customers requirements - HDT-Horizontal draw through - VDT-Vertical draw through - MZBT-Multi Zone blow through - SZBT-Single Zone blow through - DS-Double Skin	Construction with Bio-Pharma grade material and specified filters to control microbial counts. Plug Fan and Frequency Devices (VFDs) for pharmaceuticals industry	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Habibullah Industries (pvt) Ltd., 3rd Floor, Progressive Plaza, Beaumont Road, Civil Lines, Karachi 3) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 4) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 5) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.
			ii) Air handling/ Humidification / Filtration Plant	All Types and Sizes, Made up of G.I. sheets, M.S. Sheets, Angle Irons & Al Sheets etc.	For Textile Mills (Spinning, weaving, Knitting) Power Plants, Tobacco Factories, Paper Plants etc. etc.	--	1) Manstock Engineering Company (Pvt) Ltd., 11/A (Commercial), 2nd Floor, Sector XX, Kh.-e-Iqbal, Phase-3, Lahore Cantt. 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			iii) Air Conditioners:	- Packaged Type 02-60 HP - Split Type ES Series 0.75 Ton to 2.5 Ton - EQ Series LCD Display 1.0 Ton to 1.25 Ton - Window type A/C 1.5 Ton to 2.5 Ton - Air cooled self contain 3.25-150 Tons - Air Cooled split packeg 3.25-150 Tons - A/Cs with ducted and vertical Cabinet Ttype evaporators - EM Series floor standing plastic body 1.5 - 4.25 Tons - Cassette type EY series 1.5 - 6.0 Tons - Water/air cooled packaged type A/Cs 3.25-150 Tons	--	--	1) Habibullah Industries (Pvt)Ltd, 3rd Floor,Progressive Plaza, Beamount Road,Civil Lines, Karachi 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 4) Coolpoint (Pvt) Ltd , Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 5) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad.
			iv) Fan Coil Units	300 to 2000 cfm & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore
			v) Electric Steam Humidifiers;	Steam output: (3.0 & 6.0 kg/Hr) & as per customers requirements	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			vi) Hot Water Generators (Gas Fired);	Heating capacity: 35,000 to 360,000 & as per customers requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore,
			vii) Evaporator Chillers	Custom Make	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
New			viii) Hybrid Sterile AHUs Special Purpose Air conditioning of OTs	Custom Make	Special purpose Air filtration & Air conditioning	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
724	778	84159011	Evaporators, refrigerating	Evaporators (for Air Conditioners) 1HP (old model), 1HP (new model), 1.5HP (old model), 1.5HP (new model), 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 15HP, 20HP, 30HP, 40HP, 60HP, 80HP and 120HP.	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
725	779	84159019	i) Evaporators (other)	+15c to -40c	Aluminium Fin & Copper Tube	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
New			iii) DX Evaporating Cooling With Diesel Furnace	Custom Make	Evaporative pad 85% efficiency Indirect fired heating technology	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
726	780	84159029	i) Condensers for Air-conditioners,	Condensers (Air-conditioners) (Coated & Uncoated) 1HP (old model), 1HP (new model), 1.5HP (old model), 1.5HP (new model), 2HP, 2.5HP, 3HP, 5HP, 7.5HP, 10HP, 15HP, 20HP, 30HP, 40HP, 60HP, 80HP and 120HP and customer requirements	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			ii) Condensers (others)	+15c to -40c	Aluminium Fin & Copper Tube	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
727	781	84159099	i) Cooling & Heating Coils used in air conditioners	Custom Made	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore
			ii) Heaters for Precision Heating	3.3 to 12 KW and as per customer requirements	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
New			iii) Motorized Dampers With Louvers	Custom Make	Aluminum, SS, GI, GS Volumetric Air control	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
New			iv) Manual Air Dampers	Custom Make	Aluminum, SS, GI, GS Volumetric Air control	--	
New			v) Air Cleaning Unit Special Purpose Air Purification	Custom Make	Integrated Air conditioning control	--	
728	782	84169000	Expansion Joints	100mm to 5500mm dia	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
729	783	84171010	Kilns, non-electric	i) upto 5000 mm dia x 65 mm thickness, Capacity upto 4,000 TPD Cement Plants "HEI" (Heat Exchange Institute) ii) Rotary Kilns upto 556 Tons weight for Cement Plants. iii) Kiln for Cement Plant (As per requirement) iv) Kiln upto 5500 mm dia x Upto 70 mm thickness x 69 M length	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore 4) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi 5) Heavy Mechanical Complex (Pvt) Ltd., Taxila 6) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
730	784	84171090	Furnaces, Industrial , non-electric,	Heaters/Furnaces for Refineries and Fertilizer Plants upto 100,000 bpd & 970 tpd respectively "HEI" (Heat Exchange Institute)	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
731	785	84178000	Incinerators	Incinerators for disposal waste management as per site requirements upto 1000kg/Hrs	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
732	786	84181090	Refrigeration/ freezing/air conditioning machines;	Combined refrigerator-freezers, fitted with separate external doors	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi
733	787	84182190	Refrigerators, compression-type, electrical, domestic	Refrigerators, House hold type (Compression type) Combined refrigerator-freezers, fitted with separate external doors	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 3) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore
734	788	84182990	Refrigeration/ freezing/air conditioning machines;	- Refrigerators (direct cool/no-frost) - Deep Freezers, - Triplet Freezers - Bottle coolers - CS (cold storage) split package Units (16000 to 106500 btu/hr) & as per customers requirements	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. and Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 3) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore 4) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 5) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore
735	789	84183090	Refrigeration/ freezing/air conditioning machines;	Freezers of the chest type, not exceeding 800 l capacity	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) Cool Industries (Pvt) Limited, 9th KM Multan Road, Hanjarwal Lahore 3) United Refrigeration Industries Ltd. and Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi 4) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore
736	790	84184090	Refrigeration/ freezing/air conditioning machines;	Freezers of the upright type, not exceeding 900 litres capacity	--	--	1) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road, Lahore 2) United Refrigeration Industries Ltd. And Dawlance (Pvt) Ltd., Dawlance Centre, 7/4 Civil Lines 9, Dr. Ziauddin Ahmed Road, Karachi
737	791	84185000	Refrigeration/ freezing/air conditioning machines;	Other furniture (chests, cabinets, display counters, show-cases and the like) for storage and display, incorporating refrigerating or freezing equipment.	--	--	1) Pakistan Elektron Ltd (PEL), 14-km, Ferozepur Road Lahore 2) Cool Industries Ltd (Waves), 9th KM Multan Road, Hanjarwal, Lahore 3) Varioline Intercool Pakistan (Pvt) Ltd., 3-Km, Ferozepur Road, Lahore 4) Mumtaz Engineering (Pvt) Ltd. 141- Industrial Area, Kot Lakhpat Lahore
738	792	84186910	Milk Cooling Tanks	Milk chillers, direct expansion and ice bank type,capacities : uptill 3400 liters , manufactured under license from "packo Inox-belgium"	--	--	Unitech International (Pvt.) Ltd., Plot # 09,Holiday Park, Musharafabad , Raiwind Road, Lahore.
739	793	84186920	Insulated Reefer Container	Size: 6' To 40' Temp Range +15c To c-40	--	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
740	794	84186939	Water Dispenser	Hot & Colsd Water Dispenser: Cooling capacity 3 L/h, Hot capacity 2 L/h, Refrigerator Compartment, Glass Panels, Compressor Cooling	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala
741	795	84186990	i) Cold Storage Units	Not below (–4°C) temp.	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi
			ii) Refrigerated containers/Cold Rooms/ Walk ins ii) Refrigeration Units and Insulated Reefer Boxes	Refrigerated Containers suitable for mounting on locally manufactured vehicles/chasis. Cold Rooms, Walk ins	--	--	1) Kold Kraft (Pvt) Ltd, 247/S, Industrial Estate, Kot Lakhpat, Lahore 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 3) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 4) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 5) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Air Cooled Packaged Water Chillers; (34,800 to 3600,000 Btu/hr) with scroll compressors iv) Water Cooled Packaged Water Chillers (40,200 to 3600,000 Btu/hr) with scroll technology vi) Air Cooled Screw chiller (336,000-4800,000 Btu/Hr) with screw compressors vii) Water Cooled Screw flooded type chiller (792,000-7200,000 Btu/Hr) with screw compressors		--	--	1) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad 3) Petal Engineering (Pvt) Ltd, 10 Umar Khan Road, Manawan near Batapur Lahore 4) Ageco (Pvt) Ltd., Office No. 7&8, 1st Floor, Hill View Plaza, Blue Area, Islamabad. 5) Habibullah Industries (Pvt) Ltd., 3rd Floor, Progressive Plaza, Beamount Road, Civil Lines, Karachi. 6) Sabro Technologies (Pvt) Ltd., Plot No. 270 Industrial Triangle Kahuta Road Islamabad 7) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
			viii) Evaporators	For sugar mills Up to 1250 Tons per hours	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala
			ix) Residential Containers, Offices, Dining Hall, Guard Rooms, Washrooms etc	- Containers suitable for mounting on locally manufactured vehicles/ chasis. - Insulated, Length up to 40ft, Width up to 10ft, Height up to 12ft	Fiber Glass Reinforced Plastic (FRP) - Steel Structure	As per standard	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
New			x) Water and Air cooled chiller system	1 HP to 640 HP	--	--	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
742	796	84189100	Evaporators, refrigerating	--	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
743	797	84189100	Coolers, evaporative air	Evaporators for Deep Freezers and Visi Coolers 1/5HP, 1/4HP, 1/3HP and 1/2hp	--	--	Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore
744	798	84189920	Wire Condensers	1/3HP, 1/4HP, 1/5HP, 1/6HP, 1/8HP, 1/10HP and 1/12HP	Steel Tube Copper Coated, Steel Wire and Black Powder Coating	--	Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore
745	799	84189990	i) Condensers for Deep Freezers & Water Coolers	i) Condensers (For Deep Freezers & Visi Coolers) 1/5HP, 1/4HP, 1/3HP and 1/2HP ii) Condensers for Refrigerators (Sheet on Tube) 1/16HP, 1/12HP, 1/10HP, 1/8HP, 1/6HP, 1/5HP, 1/4HP and 1/3HP. iii) Condensers for Refrigerators (Wire on Tube) 1/12HP, 1/10HP, 1/8HP, 1/6HP, 1/5HP, 1/4HP and 1/3HP. iv) Bunch Condensers for Deep freezers & Water Coolers (Wire on Tube) 1/2HP - 8 Row, 1/3HP - 6 Row, 1/4HP - 4 Row, 1/5HP - 4 Row, 1/6HP - 3 Row, 1/8HP - 2 Row	--	--	1) Breeze Frost Industries (Pvt) Ltd., Harbanspura Road, P.O. Tajpura, Lahore 2) Varioline Intercool Pakistan (Pvt) Ltd., 3-KM Kahna Kacha Road Kahna, Lahore
			ii) Falling Film Evaporator	Heating Surface 55m2 Surface	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			iii) Pig Launcher/ Reciever	As per requirement	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
New			iv) Ref Grid Shelfs (Assorted Sizes)	Thickness from 2 mm to 7 mm powder coated/ LDPE coated 1*1 ft to 8*8 ft	Weight Load Capacity from 1 Kg to 100 Kg	M. S Wire Powder Paint/ LDPE Paint	Plascoat Systems, 18.5 Km Behind Wonhar Wood Furniture, Multan Road, Lahore
746	800	84191190	Instant Gas Water Heater	From 10 L to 100 Liter, Burner, safety device, various options of heat exhanger and burners	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala
747	801	84193400	Dehydration Plant	Ranging capacities to client's requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
748	802	84193900	Dryer/Spray Dryer Machine with all standard accessories	All Types and Sizes (except for vaccum dryers used in Tanneries)	--	--	1) The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala 2) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 3) Heavy Mechanical Complex (Pvt) Ltd., Taxila 4) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore
749	803	84194000	i) Falling Film Evaporator	Heating Surface 55m2 Surface	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			ii) Crude Oil Distillation Towers/Columns / Distilling or rectifying plant	- For Refineries of upto 100,000 bpd and - for Chemical, Petrochemical & Fertilizer Plants (DiaxHeightxWall Thickness of Towers/ Columns (1500-3500 mm x 10000mm - 35000mm x 10-50mm), ASME Sec. VIII Div. 1 & 2 - Refinery/ Oil & Gas Distillation Towers Type = Atmospheric Pressure, Pressure and Vacuum Type Distillation Towers Pressure = Full Vacuum to 1500 PSI Temperature = -100 F to 600 F Material = Carbon Steel, Normalized Carbon Steel, Stainless Steel and Alloy Steel Maximum Length = 40000mm & Max. dia = 3400mm, Wall thickness = 5mm thk to 50.8mm thk, - As per Client's requirement. In accordance to ASME Sec VIII, Div 1& 2 / B.S.S.	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 3) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 4) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 5) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 6) FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi
			iii) Ethnol Plant/ equipment	Upto 100,000 L / day	--	--	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
			iv) Absorption Tower, Columns, Process Reactors, Heat Exchange, Condensers, Air Coolers, LPG/Oil/LNG Storage Tanks, Heat Recovery Boilers, Steel Structure, Process and Utility Piping, Gas Sweetning Unit, Amine Absorption, Flare Stack System, LPG Recovery Unit, Sulphur Recovery Unit, Process and Power Piping Installation and Modification	as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
New			v) LPG AirMix Plants (Accord Syngas)	Capacity: 7 MMBtu/hr to 500 MMBtu/hr, Pressure: upto 10 Bar, Temperature: N/A, Fuels: LPG			Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
750	804	84195000	Heat exchange units, Industrial	i) Used to vapourize water, nitrogen (Material: SS 316L Cryogenic, Heat transfer : -300 to +300 °c) ii) Multi Blow Double Heat Exchangers. iii) Air Cooled Cross Flow Heat Exchangers. iv) Shell & Tube Type of Carbon, Alloy & SS, Range upto 2500 psi v) Shell & Tube Type (as per TEMA standard for oil /gas processing, chemical & fertilizer plants) v) Fixed & Floating Tube sheets with straight & U-Tubes. vi) Air Cooled with Finned Tubes of Carbon, Alloy & Non-Ferrous Materials ASME Sec. VIII Div. 1 & 2, TEMA, HEI, API-660, API-661, ANSI, B-78.1, ANSI B-78.2 vii) Type: U-Tube, Fixed, Floating, Horizontal & Vertical Size: Dish Head (2:1 tori-spherical Ø6m x 30mm thick in CS and 20mm thick in S. Steel. viii) Plate Type (Gasketed) Heat Exchanger ix) Aluminium Fin & Copper Tube (+15c to -40c) x) Absorption Tower, Columns, Process Reactors, Condensers, Air Coolers, LPG/Oil/LNG Storage Tanks, Process and Utility Piping, Gas Sweetning Unit, Amine Absorption, Flare Stack System, LPG Recovery Unit, Sulphur Recovery Unit, Air Receiver, Fuel Gas Ko Drum/ Flare Ko Drum/ Teg Vent Gas Knock Out Drum, Process and Power Piping, Installation and Modification, R22 Receiver, Low & Medium Temperature Suction Trap, Cooling Box for Carbonating Tower and for Ammonia Gas Cooler, Falling Film Evaporator (55m2 Surface)	a. Type = Shell/ Tube, as per TEMA Standard Pressure Range = 15 PSI to 1500 PSI Temperature Range = -150 to 500F Material used = Carbon Steel, Stainless Steel, Brass and Alloy Minimum Dia = 300mm, Max Dia = 1500mm Minimum Length = 1000mm; Max Length = 10000mm b. Type = Fin Fan/ Air Cooled Cooler Pressure Range = 15 PSI to 1500 PSI Temperature Range = ambient to 600F Material used = Carbon Steel, Stainless Steel, Brass and Alloy Minimum Size = 5000mm; Max Size = 12000mm as per customers requirements	1) Air Cooled Cross Flow Heat Exchangers upto 45 Bars and Tube specifications as 9377 mm length, 2668 mm width & 972 mm height. 2) Shell & Tube Type Pre Condensers upto 1700 mm dia & 6000 mm length. 3) Vertical Condensers upto 2012 mm dia & 6800 mm length. 4) Horizontal Condensers upto 2012 mm dia & 6800 mm length. 5) Shell & Tube type Heat Exchangers upto 1700 mm dia & 5000 mm length. 6) Shell & Tube type evaporators upto 5500 mm dia & 14000 mm length.	1) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 2) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 3) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi. 7) Heavy Mechanical Complex (Pvt) Ltd., Taxila 8) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 9) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 10) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore, 11) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 12) Heavy Mechanical Complex-3, Hattar Road, Taxila 13) Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi 14) NKR Engineering (pvt) Ltd., 304, Anum Classic, 48 Darul Amman Society, Opposite Duty Free Shop, Shahra-e-Faisal, Karachi 15) Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
751	805	84198100	Kettles, steam, Industrial	Pressure Vessels with steam heating helical coils inside and fitted with or without agitator. Diameter upto 5000mm, height 6000mm and wall thickness upto 30mm fabricated of carbon, alloy or stainless steel. ASME Sec. VIII Div. 1 & 2 & as per customers requirements Capacity Up to 350 TPH, 150 BARG (water tube, fire tube, waste heat recovery boiler, heat recovery steam generator)	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
752	806	84198910	i) Cooling Towers	Cooling Tower Designs: Counter flow and Cross flow Air Flow: Induced and Forced Fills: Film Fill and Splash Fill Type: Industrial and Package Size per Cell: 50 GPM to 12000 GPM Other Accessories: Drift Eliminators (PVC/FRP), FRP Louvers, FRP/GRP Water Distribution Header, Fan Blades, FRP/GRP Fan Stack etc.	Structure: Stainless Steel, Galvanized Mild Steel, FRP Pultruded Profiles, Stainless Steel, Concrete	--	1) Jalal Engineering, B-425, Block 13, F.B. Area, Karachi – 75900 2) ARCO International, 305-307, Poonch House Plaza, Adamjee Road, P.O. Box 1056, Rawalpindi 3) Imtiaz Engineering Services, 12, 3rd Floor, Hyder Plaza, Main Rashid Minhas Road, Gulshan-e-Iqbal, Block-5, Karachi 4) Liang Chi Industry Pakistan (Pvt) Ltd., 304 Anum Classic, 48 Darul Aman Society, Opposite Duty Free Shop, Shara-e-Faisal, Karachi - 75350 5) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
			ii) Tanks, fitted with heating or cooling elements,	Atmospheric Tanks from 500 barrels to 380,000 barrels capacity. Large tanks can be of fixed roof, floating roof or dome roof. ASME Sec. VIII, Div. 1 & 2, API-650, API-620, API-12B, API-12D, API-12F	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 4) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 5) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
753	807	84198990	i) Tanks, Receivers, Vessels, Drums and Other Containers	De-Ethanizer OH Drum, Blow Case Vessel, Water Degassing Boot, Expandor Suction Drum, Low Temperature Separator, De-Ethanizer Column, LPG/NGL Splitter OH Drum, Chilled Water Expansion Tank, Thermosyphon Receiver, Slops Tanks, Flare Knok out drum, NGL Flash Vessel, Condensate Flash Vessel, Digester & Reactor for Pulp & Paper Plant, Seal System Nitrogen Receiver, Instrument Air Receiver, Plant Air Receiver, Nitrogen Receiver, Knock Out Drums, Coalescer Vessels, Columns and Strippers, Spherical Tank (LPG), Absorption Tower, Columns, Process Reactors, Heat Exchange, Condensers, Air Coolers, Process And Utility Piping, Gas Sweetening Unit, Amine Absorption, Flare Stack System, LPG Recovery Unit, Sulphur Recovery Unit, Slug Catcher (Finger type, Vessel type), Shell & Tube Type of Carbon/Alloy/SS. Fixed & Floating Tube sheets with straight & U-Tubes. Air Cooled with Finned Tubes of Carbon, Chemical Injection / Dosing Skids (Corrosion Inhibitor Skid, Methanol Injection Skid, Drag Reducing Agent injection skid, Anti-Foam Injection skid, De-Emulsifier Injection skid, Wax Inhibitor Injection skid, Odorizer Injection skid), Gas / Fuel Conditioning Skids (Instrument Gas Scrubber Skid, Sour Gas Conditioning Skid, Scrubbers, Filters), Tanks, fitted with heating or cooling elements, Evaporators, etc	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 4) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore, 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi 7) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 8) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
			ii) Kettles for Pharmaceuticals Industry	Pressure Vessels with Limet Coil, Jackets for steam heating & cooling in stainless steel or higher alloys design as per ASME Sec. VIII Divt. 1 & 2 complete with agitator & variable / fixed speed drives & as per customers requirement.			DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
			iii) Thermal Oil Boiler System (Hot Oil Boiler)	All types/sizes	--	--	1) Descon Engineering Ltd., 2-Km Defence Road, Off 24th Km, Multan Road, Chung, Lahore 2) The Sitara Engineers, Nishatabad, Sheikhupura Road, 3) Heavy Mechanical Complex, Taxila 4) SEFEC Engineering (Pvt) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
			iv) Complete Ethanol Plants / Equipment	Low carbon stainless steel, consisting of Distillation Columns, Shell and Tube Type Heat Exchangers, Fermentation tanks, Plant piping, Molasses Storage tanks, Bio Gas reactors and other large and small tanks. We also do complete erecting and installation of these plants.In accordance to ASME/ANSI 31.3, API 650, API 620, CODAP, TEMA type B&C / B.S.S. & as per customers requirements	Each Ethanol plant comprises of the following: 1) 10 nos of Distillation columns with diameter ranges from 300 mm to 2300 mm and length of upto 47000mm. 2) 13 nos of shell and tube type heat exchangers with dia 400 mm to 2450 mm. 3) 22 nos of tanks with dia 2200 mm to 6000 mm. All equipments are made from SS316L and SS304L	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
			v) Pasteurizers, electro-thermic, Industrial	Juice and milk pasteurizers	--	--	NKR Engineering (pvt) Ltd., 304, Anum Classic, 48 Darul Amman Society, Opposite Duty Free Shop, Shahra-e-Faisal, Karachi
			vi) Crystallizers, Evaporators, sugar refining, Industrial	Sugar Mill eqpt.of upto 10,000tpd: Cane Carrier, Cane leveler, Cane cutting knives, Cane shredder, Prepared cane elevator, Cane crushing mills, cooling water piping, Inter conveyors, Service platform & gangways MS & SS receiving tanks, imbinition & juice piping, service hand box only, belt conveyor, Juice Heaters, Bucket elevator, Lime slaker, Flashing vessel, Door type & SRI type clarifier, Vacuum filters, Cascade condenser Mud overflow tank, Mud mixer Cyclone, bagacillo separator and ducting, Bagacillo screen with hopper Evaporators, Condensate receiver, Vacuum pans(batch type), Crystallizers (air cooled & water cooled) Vertical crystallizer, Open seed crystallizer, Vacuum crystallizers, Multi jet condensers, Continuous centrifugals, Feed mixer, Screw conveyor, Sugar remeltor, Magma minglers single/double paddle, Raw sugar remelter, First/ Second carbonation tank tank, Remelt sulphitator, Rotary pressure filter, Aeration tank, Telofloc clarifier, Scum clarifier, hopper conveyor, White sugar dryer, Air heater Dry cyclone, wet cyclone, Sugar Storage bins, Boiler supporting structure, Working platform, Steel casing, Air heater Dumping grates & feeder, Economizer, I.D.F.D. & S.A. fans, Fly ash arrestor, Observation ports, inspection/ access doors, Hoppers, Flue gas ducts, Chimney stacks, Integral piping, Blow down tank, Water sampling device, Thermal deareator, Deareator storage tank, Feed water softening plant, Bagasse conveyors, Steam distribution header, Manual crane (without hoist, etc.), Miscellaneous Staging flooring etc. All fabricated piping, ducts, hangars, supports, expansion joints, flanges and distribution headers. Flue gas dust	1) Vertical Crystallizer upto 300 tons weight, 4000 mm diameter and 13000 mm length. 2) Air Cooled Crystallizer upto 3000 mm diameter and 5500 mm length. 3)Vacum Crystallizer upto 2800 mm diameter and 5000 mm length. 4) Agitators upto 8000 mm diameter and 6500 mm length. 5) Condensors upto 1400 mm diameter and 5600 mm length. 6) Seperators upto 1500 mm diameter and 9500 mm length. 7) Filters and screens upto 5000 mm dia and 6000 mm length. 8) Mixers upto 2400 mm dia and 8000 mm length. 9) Pressure Filters and Reactors upto 3000 mm dia and 4000 mm length. 10) Vacuum Filters upto 3000 mm dia and 6000 mm length	--	i) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 ii) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi iii) The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
754	808	84199090	Cooling & Heating Coils used in Refrigerators	Custom Made	--	--	1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad 2) Coolpoint (Pvt) Ltd, Adda Plot, Sharaiz Avenue jatti Umra Road, 'Raiwind Road, Lahore
755	809	84211900	i) Cartridge Filtration Unit (filtering or purifying machinery)	Used to filter the brine, produced water, sediments transported by the fluid through cartridges. Capacity: 30 Cartridge upto 100 Cartridge (Dual POD) Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 100 psig Working Pressure: 75 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
			ii) Brine Filtration Unit / Bag Filteration Unit (filtering or purifying machinery)	Used to filter the sediments transported by the fluid through bag. Capacity: Duplex, Fourplex Or as per our client requirement.	Design Code: ASME Material: SS 316L Test Pressure: 100 psig Working Pressure: 75 psig	--	
756	810	84212100	i) Sand Water Filter, Automatic Water Softner, Activated Carbon Filter Water Pressure Booster	As per client's requirment	--	--	Industrial & Mechanical Engineers (Pvt) Ltd., 403, Noor Estate Building Shahrah-e-Faisal Karachi
			ii) Pressure Sand Filter, Multi Media Filter, (Automatic/Manual Operation) Cartridge Filters	Filteration Media Sand, Gravel, Anthracite (all capacities for all industrial sectors)	--	--	1) Water Engineering & Management Services, 19-N, Model Town Extension, Lahore 2) Fluid Technology International, Plot No. F45, SITE-II, Super Highway, Scheme 33, Karachi 3) B. H Industries (Pvt) Ltd., 05-Chenab Market Madina Town Faisalabad 4) FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi 5) Aqua Regia, House No. 33, G-4 Johar Town Lahore 6) Faiz Enterprises, 3/II, Shadman Plaza Shadman Market Lahore 7) Gresham's Eastern (Pvt.) Ltd., F-302, S.I.T.E., Karachi
			iii) Activated Carbon Filter (Automatic/Manual Operation)	Filtration Media Granular or Powderd Activated Carbon (all capacities for all industrial sectors)	--	--	
			iv) Iron Removal Filters (Automatic / Manaul Operation)	Filtration Media Birm, Filter Ag and Manganese Green (all capacities for all industrial sectors)	--	--	
			v) Water Softener Plants (Automatic & Manual Operation)	Filling Media Cation Exchange Resin (all capacities for all industrial sectors)	--	--	
			vi) Demineralized/ De-ionization Plant [Continous Electro de Ionization (CEDI) and Electro De Ionization (EDI)] comprising of cation exchange column, Anion Exchange column, De-alkalizer, Degassifier, De carbonation column & Mix Bed Polisher column. (Automatic & Manual Operation)	Strong, Weak Cation & anion Exchange Resin including Mixed Bed Grade (all capacities for all industrial sectors)	--	--	
			vii) Automatic WFI / Distilled Water Plant	(all capacities for all industrial sectors)	--	--	
			viii) Rerverse Osmosis (RO) / Desalination Plants	Removal of ions / salts through Reverso Osmosis Membranes. (all capacities for all industrial sectors)	--	--	
			ix) Ultra Filtration (UF) Plants	Removal of Suspended Solids through Ultra Filtration Membranes (all capacities for all industrial sectors)	--	--	
			x) Nano Filteration (NF) Plants	Removal of Selective ion through Nano Filtration Membranes (all capacities for all industrial sectors)	--	--	
			xi) Industrial Wastewater / Effluent Treatment Plant	Biological System (Aerobic/Anaerobic), Membrane Bio Reactor (MBR), Dissolved Air Floatation (DAF) Unit, (all capacities for all industrial sectors)	--	--	
			xii) Sewage Treatment Plant	Biological System (Aerobic/Anaerobic) (all capacities for all industrial sectors)	--	--	
757	811	84212900	i) Dearator Feed Tank Vessel	as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Filters for oil refineries	As per fabrication drawings and Client's requirement.	Sand Filters for Oil Refineries. Inner dia 1980mm x 2930mm length. All water collection and Air distribution system is made of SS-304 material	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Fluid Technology International, Plot No. F45, SITE-II, Super Highway, Scheme 33, Karachi 3) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			iii) Air Filters / Oil Filters	Air Filters for Power Generation and Customized Industrial application other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd., 80-Badami Bagh, P.O. Box 465, Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi 4) Essa Engineering Industries (Pvt) Ltd., S-19/A, g. Allana Road, S.I.T.E, Karachi
			iv) Clarifiers	36' x 18' (upto 141000 Gallons) Dorr Olive, SRI, FCB Type	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala
758	812	84213940	Air Filters	Other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi
759	813	84213950	Bag Filters	Other than automotive Used for air filtration as substitute of cartage air filter and also used for removal of dry and wet smokes for cleaning the air or controlling the pollution as part of national environmental quality standards. (All Types and Sizes)	Usages: Gas turbines, generators, (air intake for circulation) cement, Coal power stations for controlling the emissions for environmental controls, dust collectors, vacuum cleaners and for all the machines which are producing fumes, unwanted vapors which act as air cleaner for operation as creating suction or for purpose of environment standard compliance. Bag filters are also used for liquid filtration in which case the filter media is for filtration of liquid and with the change of filter media the character of bag filtration can be changed.	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi 4) TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
760	814	84213990	i) Incinerators for Oil and Gas/Refinery and Industrial units ii) Gas Filter Separators iii) Two Phase / Three Phase Separators v) Instrument Gas Scrubbers vi) Deodorizer Vessel vii) Guel Gas Scrubber viii) Vertical Scrubber (Capacity. Flow 450 mmcfd) ix) Incenerators			-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) IKAN Engineering Services (Pvt) Ltd., 34-Km, Shamki Bhattian, Multan Road, Lahore 4) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 5) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore, 6) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi 7) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
			x) Hepa Filter:	Used for clean & purified air by pharmaceutical industry and other allied industries, health sector and labs	--	--	Malik Auto and Agricultural Ind. (Pvt) Ltd., 8th K.M. Raiwind Road, Lahore
			xi) Filters, vacuum	For Sugar mills and other allied Industries .In accordance to ASME sec VIII Div 1 & 2.	Having diameters of 3500mm and length of 6000mm ASME Sec. VIII, Div. 1 & 2	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
			xii) Plate and frame type filter	36' x 36' (upto 650' filtering) For Ceramic & Sugar Industry	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala
			xiii) Vacuum Filter	13' x 32' - 1310 filtering area, Rotary Filter type	--	--	
			xiv) Pressure Filter	As per Sugar Industry Specifications and other as per client design	--	--	
			xv) Filters, Air	Other than automotive (All Types and Sizes)	--	--	1) Malik Auto and Agricultural Ind. (Pvt) Ltd. 80-Badami Bagh, P.O. Box 465., Lahore 2) Qaim Automotive Mfg. (Pvt) Ltd., 203-206, Prince Centre, Preedy Street, Saddar, Karachi-74400 3) Skyways Manufacturers (Pvt) Ltd., A/1-A-3, SITE Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			xvi) Gas Filter Separator System	Dia 8", 12", 18", 24" and 30" with optional instruments like level gauges, pressure gauges, level controller, control valve pressure regulator etc. Equipment tobe complete with quick opening end enclosure, filter elements and mist eliminator	Design Pressure 1400 psig; Temp. 130ºF, Flow ASME "U", Stamp coded to Section VIII Div. I. Flow Range from 1 mmscfd to 150 mmscfd.	Standard	1) DDFC (Pvt.) Ltd. , 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt) Ltd., 20th KM (Pajian), Raiwind Road, Lahore 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
761	815	84223000	i) Machines, filling, for bottles, cans,	Variable specifications as per requirements for Juice, Water Treatment, Cosmatics and liquid Food processing.	--	--	Al-Qarni Flow Tech International, 9/34 Civic Centre New Garden Town, Lahore
			ii) Liquid / Solid & Bulk Packaging Machines	Liquid Packaging Machines Output:1000 to 2700 pouches/hr, Capacity : 5ml to 5000ml, Weight: 200-550 kg Dimensions:L:600~872mm x W:355-830 mm x H: 1795~3000 mm Solid Packaging Machines Output:18-45 pouches/min, Capacity:5-2000 grams, Weight: 575 to 600 Kgs Dimensions: L:1110-1160 mm x W:830-1700 mm x H: 2080~2750 mm Bulk Packaging Machines Metering Mode:Weighing (Net weight form) Output: 6~9 bag per min, Capacity: 05~50 Kg (20~100 kg for oversized ones), Weight: 800 kgs, Weight accuracy: 0.2%, Dimensions: 3700 (variable depending on the conveyor) x 1600 x 3100 mm	Pouch Type: pillow/standing shape, center/side/sachet 3 side, 4 side seal with or without photocell or continuous /centralized design Options: Strip applicator, date coding system, English folding system, feeding conveyor, conveyor, thermic sealing system. Packaging Materials: PE, BOPP, PP, nylon, laminate, cotton, jute, paper aluminum foil etc. Water:100 Ltr/hr, 2° C > 10°, P 2 bar Air : 800 Ltr / min, P 6 bar Power : 220/380 V, 1 phase & 3 phase, 50 Hz, 2~7 KW	--	Prepac Engineering Industries (Pvt) Ltd., Plot No. 20 Rasheed Industrial Estate, 18 KM Feroze Pur Road, Lahore
			iii) Automatic vertical form-fill-seal machine for liquid, viscous & semi viscous products	PRODUCTS: edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, sauces, gel, recota cheese, water, shampoo, Liquid choclate. Capacity:2-15ml; 20-100 ml; 100-1000 ml; 1000-5000 ml, Output Speed:600-1200 packs/ hour; 1200-2400 packs/hour; 2400~5000 packs/ hour; 5000~10000 packs/ hour	Pouch Shape: 3 side seal, 4 side seal center seal stand pouch	--	
			iv) Automatic vertical form-fill-seal machine for solid, granule, powder, ununiform shaped products	PRODUCTS: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder, cereals, frozen vegetables, frozen fruits Capacity: 2g to 15g; 20g to 100g; 100g to 1000g; 1000g to 10000g, Output Speed: 600~1200 packs/hour; 1200~2400 packs/hour; 2400~5000 packs/ hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch	--	
			v) Automatic HFS pre-made bag filling machine for packaging of all type of liquid & solid products	PRODUCTS: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity: 20-100g; 100-1000g; 1000-10000g, Output Speed: 600-1200 packs/hour; 1200-2400 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch flat bottom Doy pouch zipper pouch	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			vi) Semi automatic bag filling machine for packaging of solid products granule, powder, ununiform shaped products	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder, cereals, frozen vegetables, frozen fruits Capacity: 2g to 15g; 20g to 100g; 100g to 1000g; 01 kg to 05 kg; 05 kg to 10 kg; 10 kg to 50 kg; 50 kg to 100 kg Output Speed: 600~1200 packs/hour; 1200~2400 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal quad seal side gusseted handle punch Flat bottom Doy pouch zipper pouch cotton bags jute bags PP woven bags	--	
			vii) Automatic VFFS multilane machine for liquid & solid products	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity: 02g to 05g; 05g to 20g; 20g to 100g, Output Speed: 4000~9000 packs/hour; 9000~20000 packs/hour; 20000~36000 packs/hour	Pouch Shape: 3 side seal, 4 side seal center seal	--	
			viii) Bottle & Jar filling machine for	Products: rice, sugar, pulses, beans, spice powder, whole spices, recepies masala, instant drink powder. Milk powder. Confectionary, nimko, chips, pasta, microni, salt, flour, sugi, meda, cement, seeds, pecticide powder, choclate powder, frozen fries, frozen cheese, pickle paste, whole pickle, consentrate powder, joshanda, ispaghol, detergent, coffee powder Edible oils, ghee, liquid milk, lube oil, grease, juices, ketchup, mayonnaises, liquid soap, detergent, egg liquid, cosmetic creams, gel, recota cheese, water, shampoo, Liquid chocolate, cereals, frozen vegetables, frozen fruits Capacity : 20-100g, 100-1000g, 01-10 kg, 10-20 kg. Output Speed: 600-1200 packs/hour. 1200~2400 packs/hour, 2400~4800 packs/hour 4800~7200 packs/hour	--	--	
762	816	84224000	Pharmaceutical Machines	Cream Ointment & Paste Processing and packaging machines Capacity upto 1500 Kg/Hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi
763	817	84241000	Fire Extinguishers	Fire Extinguishers of AFFF Type Size: 10 litres (portable); 45 and 150 litres (Trolly mounted); 1000 litres (trailer mounted) Dry Powder Type Size: 1 to 12 Kg (portable); 20 to 100 Kgs (trolley mounted; 250, 500, 1000kgs (trailer mounted) Halotron-1 Type Size: 1 to 12 Kg (portable); 20 to 100 Kgs (trolley mounted); 250, 500kgs (trailer mounted) Water type Size: 10 litres (portable); 45 & 150 litres (trolley mounted)	--	--	Haseen Habib Corporation [Pvt] Limited, 123/3 Quaid e Azam Industrial Estate, Lahore
764	818	84261110	Cranes	Overhead travelling cranes 0.5 tons to 300 tons Desing Code/ Standards: FEM, CMAA.	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore
				•Electric Overhead Cranes •Hand Operated Cranes •Gantry Cranes •Double boom level luffing cranes. •Magnetic Crane. Ranging Capacities to Client's Requirements	--	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
765	819	84261990	Grantry Cranes	0.5 tons to 250 tons.	--	--	1) Heavy Mechanical Complex (Pvt) Ltd. Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
766	820	84263000	Jib Cranes	Jib cranes upto 5 tons and monorail cranes upto 10 tons	--	--	1) Heavy Mechanical Complex (Pvt) Ltd. Taxila 2) Heavy Mechanical Complex-3, Hattar Road, Taxila
767	821	84264100	Catering High Loader	Catering High Loader Upto 22Ft Working Height from ground Suitable for airchraft upto Boeing 777	--	--	1) Bilal Engineering Company G.T Road Opp. Rescue 1122 Office, Pindi Bypass, Gujranwala 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
768	822	84269100	Cranes, designed for mounting on road vehicles	Lift Capacity: 800, 1000, 1500, 2000, 2500 and 3000 kgs. Can be Mounted on any available local truck chassis.	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
769	823	84269900	Cableways / Cable trays	Ladder Type & Perforated Type (size 100mm ~ 700mm wide)	--	--	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
				Ladder Type & Perforated Type with & without covers (size 50mm ~ 300mm wide)	Fiber Glass Reinforced Plastic	Corrosion Resistant	Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
770	824	84272010	Forklift Truck	Upto 3 tons lifting capacity	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore
New	825	84272090	Other works trucks fitted with lifting or handling equipment	--	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore
771	826	84283100	Conveyors, continuous-action, for goods or materials (Specially designed for underground use)	Width = 1,000 mm Length = 100 Meters BS-6318 & as per customers requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
772	827	84283200	Bucket Elevators	Bucket capacity = 0.3 cubic meters Height = 30 Meters BS-6318	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
773	828	84283300	Belt Conveyors	Width = 1,000 mm Length = 100 Meters BS-6318	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
774	829	84283910	Conveyors (for Cement plants)	Width = 1,000 mm Length = 100 Meters BS-2890 & as per customer requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
775	830	84283990	Conveyors	Width = 1,000 mm Length = 100 Meters BS-2890 & as per customer requirements	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore
776	831	84292000	Graders	50 Tons per hours	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala
777	832	84294000	Static Road Rollers	Static Road Rollers 10 to 12 tons Upto 55 HP	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
778	833	84295100	i) Loaders, shovel, front-end, mechanical, self-propelled	1 - 3 cub meter bucket handler tractor front end loader for Industrial and Agricultural work.	[Bucket Attachment of the Tractor used on the front Side of Tractor for the Uplifting of Garbage or Construction Disposables.]	--	Agripak International, A - 263 Block - C, North Nazimabad, Karachi
			ii) Front End Loaders for Tractor	loading and lifting of material	Tractor Attachment	--	Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
New			iii) Front-end shovel loader	--	--	--	Millat Tractors, Ltd., Sheikhupura Road, Shahdara, Lahore
779	834	84304100	Mud Tank/ Mud Suction Tank With Valves And Gates	Used for mud mixing Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	i) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. Ii) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
780	835	84304900	Mud Tank/ Mud Suction Tank With Valves And Gates	Used for mud mixing Mobile/skid mounted Capacity: 100 BBL upto 600 BBL Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Internal Lining: Fibercoating/ Epoxy	Support stimulation fluids/acid upto 16%	i) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. Ii) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
781	836	84314900	i) Blades for Tractors	Dozing Blades for different hp of Tractors; Width: 6ft, 7ft, 8ft	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
			ii) Cutting Bottle	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Cement Silo	Capacity: 1000 Cu Ft. upto 2000 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 45 psig, Working Pressure: 30 psig	--	
			iv) Surge Tank	Capacity: 35 Cu Ft. upto 50 Cu Ft. Or as per our client requirement.	Design Code: ASME, Material: Carbon Steel, Test Pressure: 50 psig, Working Pressure: 30 psig	--	
782	837	84321010	Chisel ploughs, for agricultural Machines	Ploughs for 2,3,4,5 Discs. Reversible and Standard with tubular frame. With 2 Discs: 42” With 3 Discs: 63” With 4 Discs: 84” With 5 Discs: 105”	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
783	838	84321090	Ploughs, for agricultural Machines	Ploughs for 2,3,4,5 Discs. Reversible and Standard with tubular frame. With 2 Discs: 42” With 3 Discs: 63” With 4 Discs: 84” With 5 Discs: 105”	Tractor Attachment	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
784	839	84322100	Harrows, disc, for agricultural Machines	14, 16, 18, 22 and more discs with hydraulic attachments With 14 Discs: Front 70” & Rear 65” With 16 Discs: Front 78” & Rear 70” With 18 Discs: Front 86” & Rear 78” With 22 Discs: Front 102” & Rear 94”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
785	840	84322910	Cultivators, for agricultural Machines	5, 9, 11, 14, 19 tines with ront and fixed frame. Have an options with Tyres assembly and Hydraulic Functions With 5 Tines: 66” With 9 Tines: 86” With 11 Tines: 96” With 13 Tines: 106” With 19 Tines: 146”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
786	841	84324100	Spreaders, manure	200lit fertilizer spreaders tractor mounted, and pto operated.	--	--	Agripak International, A - 263 Block - C, North Nazimabad, Karachi
787	842	84328090	Machines, stone-removing, agricultural	Laser Land Leveling system consisting of: 1. Rotary laser transmitter 2. 360 degree laser receiver 3. Control Box 4. Bottomless bucket hydraulic scraper	Minimum 300 meter radius operating range Within one millimeter per 20 meter level accuracy 0 to 50 degree Celsius operating temperature Moisture and dust proof Mil.Spec. C-5015 electrical connectors	--	Pakistan Atomic Energy Commission, Applied Physics Division, PINSTECH, Nilore, Islamabad
788	843	84329000	Mouldboards for plough	2,3,4 furrows with Hydraulically Revisible and One-way Simple fabrication. For 2 Furrow: 32” For 3 Furrow: 60” For 4 Furrow: 88”	--	--	1) Agripak International, A - 263 Block - C, North Nazimabad, Karachi 2) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
789	844	84331100	i) lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
			ii) Tree Transplanter	Digging and Trenching	--	--	Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala
			iii) Backhoe / Excavator	Digging and Trenching	Tractor Attachment	--	
790	845	84331900	lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
791	846	84332000	lawn mower	For Cleaning and ground leveling	Tractor Attachment	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
792	847	84371000	i) Rice Husking Machine (Huller)	Output : 1200 ~ 2000kg/h of rice Power : 12 ~18.5kw 4D Huller: Output:1800-2500kg/h of rice Power : 9 ~15kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
			ii) Horizontal Type SM-18 Emery Roller rice Polisher	Jet-Air Emery Doll Rice Husker & Whitener: Output : 2000 ~ 2500kg/h of rice Power : 18.5 ~ 22kw	--	--	
			iii) Rice Polisher NF-14	Jet-Air Emery Roll Rice Whitener & Polisher: Output : 1500 ~ 2100kg/h of rice Power : 18.5kw	--	--	
793	848	84378000	i) Danish Type Vertical Flour grinder.	Vertical Type Flour & Spices Grinding Machine. (Chukki):, Output wheat:160-240kg/h of Flour, Power : 7.5kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
			ii) Disk Mill 45	Output wheat:200-300kg/h of Flour, Power:12kw	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
			iii) Paddy Cleaner (Pre-Cleaner)	Power: 0.75 x 2KW	Removing light & heavy impurity from Paddy	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke
			iv) Combi Cleaner	Power: 0.75 x 2 Kw	Removing light & heavy impurity from Rice	--	
			v) (Rotary/Vibrating Cleaner)	Power: 5.5 - 7.5 Kw Aspiration Capacity: 3000 - 4500 m2/h)	Paddy Hulling Removing the Rice from its peels	--	
			vi) Paddy Husskar	Output: 0.9 - 1.8 TPH, Air Volume: 3600 - 10800 m3/h	To separate husk from brown rice	--	
			vii) (Pneumatic/Double Pneumatic Husker	Sieves: 20 -40 Units, Power: 2.2 - 4 Kw	To separate paddy from brown rice	--	
			viii) Husk Separator/ Paddy Separator (All Type)	Cylinder: V-Wire S.S. Cyliner, No. of Cyliner: 4 - 8 Units	To separate immature grains from rice	--	
			ix) Thickness Grader	Power: 37 - 55 Kw, Air Volume: 40 - 80 m3/min, Static Pressure: 1.0 - 1.5 Kpa	To remove brown layer from Rice and give bright whiteness from raw rice	--	
			x) Width Grader	Complete Automatic Operation No of Roll: Single, Shaft Material: S.S., Control: PLC, Power: 45 - 75 Kw	To give silky shine with less brokage to rice	--	
			xi) Vertical Emery Roller Whitener (All Type of Rice Whitener)	Power: 4Kw, Rotating Speed: 180 - 220 RPM	To separate broken rice from head rice very efficiently	--	
			xii) Water Polisher/Silky Polisher (All Type of Rice Polisher)	Power: 1.5 - 2.2 Kw, Output: 2.5 - 5 TPH	To separate rice & broken rice by the advatage of length difference	--	
			xiii) Rotary Air Lock Valve Feeder	Output: 5 - 10 TPH, Power: 250 - 400 Kw	To produce high quality export rice	--	
			xiv) Grain Dryer (All Types)	Output: 3 - 8 TPH, Power: 150 - 250 Kw	To produce good quality raw rice for further re-processing	--	
			xv) Rice Processing Plant (Complete Rice Milling Unit)	Output: 400 - 1000 Bags/Batch	To make parboiled (Sela) Rice	--	
			xvi) Rotary Sifter/Rice Grading Machine	Power: 1.5 TO 7.5 Kw, Low speed, Compact design, Noiseless, Vibration less	To drive the raw material (Paddy/Rice) from one machine to another	--	
794	849	84379000	i) Emery Stones	Different sizes which are 10",12",14",16",20",24",30".	--	--	Jamal-ud-Din Sons & Co., 44 Umer Market Link Railway Road, Near Railway Station Lahore.
			ii) Bucket Elevator (Belt Conveyor)	Diameter: 36 - 72 inch Material: M.S/S.S.	To collect dust from every machine by means of suction blower	--	Al Karam Rice Engineering (Pvt) Ltd., 7Km Sheikhupura - Muridke Road, Near Khanna Labana, Muridke
			iii) Suction Blower (Centrifugal Fan)	Power: 0.75 - 1.5 Kw Rotary Speed: 45 R/min	To seal, discharge and dust catch of pneumatic transportation or ventilation dust catch network at processing plant	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
795	850	84383010	Sugar Plant / Equipment	Complete Sugar plants upto 12000 TCD	Mill Roller (various types) – for Sugar Mills (Local & Export Customers)	Different As Per Client Requirements	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 4) A.J. Corporation, 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 5) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
796	851	84383090	i) Diffusing apparatusfor sugar extraction,	For upto 6,000 TCD Sugar Plant API 650, API 620, ASME Sec. VIII Div. 1	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore
			ii) Extracting Equipment	Equipment for extraction in sugar industry: Cane Carrier. Cane leveler. Cane cutting knives. Cane shredder Prepared cane elevator Cane crushing mills Mill cooling water piping. Inter conveyors Service platform & gangways Receiving tanks made of mild steel & stainless	1) High extraction can crushing rollers with hydraullic arrangement and feed rollers. 2) De- Pithers. 3) Cane Shredders upto 8000 TCD. 4) Cane Cutters upto 5060 mm wide. 5) Centrifugal machines. 6) Chip Board forming machines. 7) Brequetting Presses. 8) Rotary Bagasse Feeders for Boilers. 9) Cane Levellers. 10) Lime Slackers.	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
			iii) Diffusing apparatusfor sugar extraction,	As per fabrication drawings and Client's requirement. In accordance to API 650, API 620, ASME Sec VIII Div 1			
797	852	84388090	i) Machines, cutting and rolling, for tea	As per fabrication drawings and Client's requirement.	--	--	A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700
			ii) Agitator for sugar plants	Up to 40 Feet dia, As per Client Specification	--	--	The Star Mughal Industries (Pvt) Ltd., Sharifpura, G.T. Road Gujranwala
798	853	84389010	of machines of heading 8438.3000 and 8438.4000	as per customer requirements	--	--	Qadbros Engineering (Pvt) Ltd. 9-A Link Ravi Road, Badami Bagh, Lahore
799	854	84454010	Weft Pirn Winder	- Horizontal Type used for filling of bobbins for weaving process. Machine stops automatically after completion of Bobbins. The capacity is from 12 spindles to 48 Spindles. - Vertical Type used for filling of bobbins for weaving process. Machine stops automatically after completion of Bobbins. The capacity is from 12 spindles to 48 Spindles.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
800	855	84454020	Cone Winders.	For the rewinding of cones in weaving mills. Machine stops automatically after completion of Process. The capacity is from 06 spindles to 48 Spindles.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
801	856	84454090	Sectional Warping Machines	from 72” to 210” widths. For the filling of warp beams for all kind of looms. Mechanical machines equipped with Auto electric warp stop motion, variable motor system. Creel capacity as per requirement.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
802	857	84462100	i) Terry Towel Drop Box Shuttle loom.	Shuttle power loom for the Weaving of Export Quality Terry Towel products. Loom width ranging from 64” to 105”.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
			ii) Automatic Cop Change Shuttle Loom	For weaving of Towel and Fabric. For fabric: width of loom from 44” to 126”. For Towel: width of loom, from 64” to 105”. The ejection of empty bobbin from shuttle and insertion of filled bobbin from magazine to shuttle is automatic.	--	--	
			iii) Grey Cloth Plain Shuttle Loom.	From 44” to 120” width Grey Cloth Plain Shuttle Looms used for the weaving of fabric.	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
803	858	84463000	i) Terry Towel Rapier Loom.	With Provision of Manual and electronic Jacquard, Paper and Electronic dobby. Width of looms from 76" to 110". Shuttle less technology used for the weaving of terry towel products. Paper and Electronic dobby can be used on the loom. Up to 18 Nos frames can be operated. 4 Clours, clour selector is installed. The manual and electronic Jacquard can also be fitted on these looms.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
			ii) Grey Cloth Rapier Looms.	With Provision of Manual and electronic Jacquard, Paper and Electronic dobby. Grey Cloth Rapier loom. Width of looms from 56" to 134". Shuttless technology used for the weaving of fabric. Electronic and manual Jacquards are used on these looms. The Paper and Electronic dobby can also be installed.	--	--	
804	859	84481100	Dobbies for looms	Mechanical, used for the designing of different kind of Towel and fabric, and also used for the brand name writing on the edge of fabric. Range, from 8 lever to 22 levers, 1 cylinder to 4 cylinders in heavy and light duty.	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
805	860	84483330	Spinning Ring	Any Size, Alloy bearing steal	Alloy bearing steal	Chrome plated	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.
806	861	84483900	i) Textile Spinning Ring Rubber Cots ii) Textile Spinning simplex Rubber Cots iii) Textile Spinning Dawing Rubber Cots	Any Size with any Hardness with aluminium bush inside.	press fit type with aluminium bush	antistatic properties, Ozone resistance, vegetable oil resistance, abrasion resistance moisture resistance, tear resistance	Punjab Spring & Engg. Works, Chak no.65, Manga Road Near Makkah Sugar Mill.
			iv) Mesh Apron/Lattice Apron For Compact, Spinning	Any Size with, any mesh	nylon, monofilament, resistant yarn	antistatic resistance, tear resistance, abrasion resistance, moisture resistance	
807	862	84484210	Reeds for looms	i) Profile / Terry Reeds Density: 3.0 d/cm to 40 d/cm, M/c width: 150 cm to 390 cm ii) Flat Reeds. Density: 3.0 d/cm to 40 d/cm, M/c width: 150 cm to 390 cm Tunnel Reeds for Air Jet looms, Flat reeds for Water Jet, Rapier, Projectile, Shuttless and Shuttle looms, Double / towel looms Circular reeds, Sizing reeds, Knotting reeds (All sizes and counts)	i) Highest quality Stainless Steel ii) Highest quality Carbon/ Stainless Steel	i) Stainless Steel: 90% aluminum: 5% Misc: 5% ii) Carbon Stainless Steel: 90% aluminum: 5% Misc: 5%	1) Textile Technics (Pvt.) Ltd., 6th Floor EFU House, Gulberg Road, Lahore 2) Abid Industries, E-43, SITE, Karachi – 75700
808	863	84484290	Heald-frames for textile weaving Machines	Heald Frames for shuttless looms in all sizes	--	--	Abid Industries, E-43, SITE, Karachi – 75700
809	864	84484990	Beams and Emry Rolls	Forall types of looms and weaving machines	--	--	Talib Brothers Engineering Works, P-290, Sant Singh Road, Opposite Javed Weighing Scale, Sheikhupura Road, Faislabad.
810	865	84501290	Washing machines	Voltage: 220V AC, Net Weight Kgs: 19.60, Gross Weight Kgs: 24.00, General Operation Duration: 1-15 minutes, Frequency: 50/60 HZ, Input: 220 Volts/ 175 watts, Capacity of wash tub: 85 litres With built-in centrifugal dryer	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi.
811	866	84501919	Washing machines	Voltage: 220V AC, Net Weight Kgs: 19.60, Gross Weight Kgs: 24.00, General Operation Duration: 1-15 minutes, Frequency: 50/60 HZ, Input: 220 Volts/ 175 watts, Capacity of wash tub: 85 litres	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Wahid Industries Ltd., G. T. Road, Gujrat
812	867	84501999	Washing machines	Single Tub Washer	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Wahid Industries Ltd., G. T. Road, Gujrat
813	868	84542000	Ingot Moulds and Ladles	As per customer requirements	--	--	Qadbros Engineering (Pvt) Ltd. 9-A Link Ravi Road, Badami Bagh, Lahore
814	869	84581100	i) CNC Lathes, horizontal, numerically controlled	Desktop CNC Lathe with X=145, Z=225, with CNC Control, Center distance 270mm, for Educational & Training Institutes	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) CNC Milling Machine numerically controlled	Desktop CNC Milling Machine with X=240, Y=170, Z=220, CNC Control, Table 500x160. for Educational & Training Institutes			
			iii) CNC Turning Centre numerically controlled	CNC Control, and Tool Turret. with X=190, Z=400, Swing 380mm, Center distance 450mm, for mass production			
			iv) CNC Lathe numerically controlled	CNC Control, and Tool Turret. with X=150, Z=600, Swing 365mm, Center distance 700mm, for Production and Educational purpose			
815	870	84581900	Lathes, horizontal, Precision type with and without DRO	Precision Centre Lathe Centre distance upto 1500 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
816	871	84592910	Machine-tools, Drilling by removing metal, not numerically Controlled	i) Universal Drilling Machine with Drilling capacity upto 32mm & boring capacity upto 65 mm in Cast Iron ii) Pillar Drilling Machine with Drill Capacity upto 20 mm in Steel	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
817	872	84593100	Machine-tools, boring Milling by removing metal, (Numerically Controlled)	Modular boring Heads, 02 ways & 4 ways configuration. Drilling Capacity 32 mm in Cast Iron & 25mm In steel.	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
818	873	84593910	Machine-tools, boring by removing metal	Vertical Copy Milling, Drilling boring Machine Drill Dia 25 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
819	874	84595100	Machine-tools, Milling by removing metal, numerically controled	Desktop PC Based for Educational & Training Institutes Milling Machine, Knee Type Numerically Controlled	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
820	875	84595910	Machine-tools, Milling by removing metal, knee-type,	Knee Type Milling Machine Horizontal, Vertical & Universal Version with long Traverse upto 810 mm and table size upto 1300x300 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
821	876	84596910	Machine-tools, Milling by removing metal, not numerically controled	Turret Milling Machine (Bridge Port Type) Travels long. 750, Cross 300, Vert. 400 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
822	877	84596920	Machine-tools, Milling by removing metal, not numerically controled	Universal Engraving Machine Clamp Area 500x200 mm Pantograph ratio 1:1 to 1:50	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
823	878	84615010	i) Hack Sawing Machine	Diemension of Saw Blade 450x32x1.6x10mm, Round Bar Dia 180mm, Squar Bar 160x160mm, Flat 180mm, Stoke 160mm	Stoke 160 mm	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
			ii) Band Sawing Machine	Band Speed 16-30-52-98 m/min, Blade Size16"x1 1/4" x0.042" 4876,8 x 31.75x1mm, Size 2430x700x1180 mm, weight 700 kg	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
824	879	84642090	i) Polishing Machines		--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
			ii) Diamond Wire Saw Stone Cutting Machine	Diamond Wire Linear Speed 30-50 m/Sec, Feed 300-1000 mm/min, length of Rail 2-3 meter, size 880x800x730, weight 650kg to 2000 kg, Flywheel die meter 405mm to 1000 mm	- D75 HP, D50 HP, D25 HP	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
			iii) Down the Hole Drilling	Hight/Width max 2870 x 680mm, Rotation speed max 70rpm, Hammer up/down 5m/min, Drilling Depth max, 15m, Hammer and Road Diameter Max 90mm, Air Consumption 5100 L/m, Supply Pressure 6-7 bar, Machine Weight 160 kg	- Drilling Depth 15 m	--	
			iv) Air Pillow Plant	Machine Tools for working stone, ceramics concrete asbestos-cement	--	--	
825	880	84659110	Machine-tools, sawing, for working wood/ cork/ hard rubber	Blade Length not exceeding 45.7 cm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
826	881	84713010	Desktop Computer	With all Intel AMD Processor	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
827	882	84713020	i) Mini PC Barebone	Mini Pc barebone without processor, Ram, HDD with 7th & 8th Generation motherboard	--	--	OneApple International Corporation, Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
			ii) All in One Computer	All in one computer with Intel & AMD all type of processor including DDR3 & DDR4 ram screen size 18.5", 19.5", 21.5", 27", 32"	--	--	
828	883	84715000	SNMP to MODBUS Protocol Converter	Intelligent SNMP Master to MODBUS Slave converter specially tailored to suit telecom requirement where remort monitoring of Ethernet/SNMP enabled devices is required over standard MODBUS interface. Used for monitoring of large rectifires, UPS & environment equipment in data centers. Operating Voltage Range: 12-35Vdc. Power Consumption: < 3 watts. SNMP Manager Port: Standard Ethernet Interface. MODBUS Slave Port: RS485. Baud Rate: upto 115200 bps (default: 9600bps). Connector (for configuration): USB	Enclosure: ABS Plastic. Mounting Style: Din Rail / Panel Mount Dimensions: 90x115x40 mm. Weight: 150g	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi
829	884	84716010	Wired Keyboard	Wired keyboard in PS/2, USB port	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
830	885	84716020	Mouse	Mouse in PS/2, USB port	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
831	886	84732100	Biometric Time Attendance Control Solution	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.
832	887	84741010	Cement Plant/ equipment /Machines, screening, for earth, stone,	Chain Cleats, End Carriage, Steel Mandrills, Kiln Supporting Structures, Clinker Dryer Shell, Apron Feeder, Screw Conveyors, Air Slide Conveyors, Pan Conveyor, Bucket Elevators, Chain Conveyors, Dust Collectors, Dust Chamber, Cyclones, Hoppers / Silos, Clinker Cooler's Supporting Structure, Kiln shell, M.S Pans, Fabrication of vertical grinding Mill (VR-7), Grate Coolers, Electrostatic Precipitators for Kiln & Cooler de-dusting up gradation	For Cement Plants of upto 3500 TONS/DAY AISI	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore. 4) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi 5) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
833	888	84741020	Machines, screening, for earth, stone,	For Cement Plants of upto 3500 TONS/DAY AISI	--	--	SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi
834	889	84742010	Machines, grinding / crushing, for earth, stones,	For Cement Plants of upto 3500 TONS/DAY AISI	--	--	1) SEFEC Engineering (Pvt.) Ltd., 44-C, First Floor, 11th Jami Commercial Street, Phase-VII, Defence Housing Authority, Karachi 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore 3) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi-
835	890	84742090	Machines, crushing, for earth, stone,	As per fabrication drawings and Client's requirement.	--	--	1) A.B.S Engineering Corporation (Pvt) Ltd., F-492, S.I.T.E, Karachi- 75700 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore
836	891	84748090	i) Machines, agglomerating, for mineral products	Two three phase separators, absorption tower columns wall thickness upto 120 mm, process reactors wall thickness up to 120 mm , pressure vessels based on ASME codes, tubular heat exchangers tema standards, tubular condensers TEMA standards, plain / fin tube air collar , LPG storage tanks base on ASME codes , Oil storage tanks base on API codes , Heat recovery boilers, steel structures, process & utilities piping off ,site utilities, Gas sweetening unit ,Amine absorption unit ,Gas dehydration unit, Glycol dehydration plant, Flare Stack system, LPG recovery unit, Sulphur recovery unit.	--	--	1) Petrosin Ravi Industries Ltd., Shahra-i-Pakistan Kala Shah Kakoo G.T Road Lahore 2) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
			ii) Storage Tanks/Pressure Vessels	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
837	892	84749020	Parts of Cement plant	Cement plant upto 4000 TPD	--	--	1) Heavy Mechanical Complex (Pvt) Ltd., Taxila 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
838	893	84796000	Room Air Coolers	Power source: 220 CV/230V, 50 Hz, Fan Speed: High 1350 RPM, Low 1150 RPM, Water Tank Capacity: 60 litres, Net weight: 45.50 Kg, Gross wieght: 49.50 Kg	--	--	Wahid Industries Ltd., G. T. Road, Gujrat
839	894	84798290	i) Pharmaceutical Machines	Mixer/ Blenders Capacity upto 5.0 tons/ hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi
			ii) Gas / Fuel Conditioning Skids . Instrument Gas Scrubber Skid . Sour Gas Conditioning Skid . Scrubbers . Filters	Stainless Steel, Carbon Steel, Alloy Steel & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
840	895	84798990	i) Pig Launcher/ Reciever	As per requirement	-	-	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			ii) Dehumidifiers/ Desiccant Dehumidifier	De-humidifying capacity: (50L/day to 120 L/day) CFM (Process Air) : 100 to 200	--	--	Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle, Kahuta Road Islamabad
			iii) 2 and 3 Phase Separators (Test & Production)	60 MMSCFD & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
			iv) Pharmaceutical Machines	i) Cream Ointment & Paste Processing and packaging machines, Capacity upto 1500 Kg/Hr ii) Tablet Processing Machines (i) Wet Granulator & Kneader Capacity upto 1 ton/ batch (ii) Dryer Capacity upto 1 ton/ batch (iii) Milling and wet/ dry sizer Capacity upto 800 Kg/hr (iv) Sifter and Sever Capacity upto 500 Kg/Hr	--	--	FD & C (Pvt) Ltd., F -116, S.I.T.E. Karachi
			v) Gas / Fuel Conditioning Skids . Instrument Gas Scrubber Skid . Sour Gas Conditioning Skid . Scrubbers . Filters	Stainless Steel, Carbon Steel, Alloy Steel & as per customer requirements	--	--	1) DDFC (Pvt.) Ltd., 27 KM, Multan Road, Lahore 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan 3) A.J. Corporation 86-D, Commercial Area, Phase 12, DHA EME Sector, Multan Road, Lahore.
New	896	84798990	i) Refrigerated Dehumidifiers	Up to 250 Liters/24 Hrs. & as per customers requirements RH(relative humidity) Control	continuous physical absorption of moisture through the air		1) Sabro Technologies (Pvt) Ltd., Plot No. 270, Industrial Triangle Kahuta Road Islamabad 2) Sabro Group (S.a Brother), Street No. 77,78, Sector I-9/2 Islamabad
New			ii) Desiccant Dehumidifier	Up to 12000 CFM of process Air & as per customers requirements RH (relative humidity) Control Special purpose Dehumidigfication	Optimum RH control		
841	897	84799010	Evaporative Cooling Pad	H(mm)=2000 & 1000 W(mm)=600 D(mm)=150,100	Brown Clour, Water Absorbing, Paper Product Bear High Pressure i-e air	Does not affected by Acids Bases, impregnated by phenolic thermosetting resin, protected from fungi bacteria	Superkool (Pvt) Limited, Opposit Haji Park Sialkot Bypass near Beacon House School, Gujranwala.
842	898	84799090	Vacuum Pans for sugar mills	120 Tons Strike Cap. For Sugar Mills	--	--	1) The Star Mughal Industries (Pvt) Ltd., Sharifpuraa, G.T. Road Gujranwala 2) Qadbros Engineering (Pvt) Ltd., 9-A Link Ravi Road, Badami Bagh, Lahore
843	899	84807900	Graphite Mould & Handle for Exothermic Welding	NTDC-WAPDA P-114:82	--	--	Shaheen Traders, 1-KM Abu Bakar Road, Near Saggian Flyover, Ring Road, Lahore
844	900	84813000	i) Check Valves	i) Cast Steel Check Valves Flanged 2" to 18" (excluding valves complying with valid API 6D ans NACE compliance)	As per API - 600	ASTM-A 216 WCB	Popular Pipe Fitting Manufacturers 24-Shalamar Town Lahore
				ii) B.S. 5153; upto 24" dia (excluding valves complying with valid API 6D ans NACE compliance)	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore
				iii) ANSI B 16.5; upto 24" dia (excluding valves complying with valid API 6D ans NACE compliance)	Cast Steel/ Carbon Steel	A216 GrWCB	
			ii) Non Return Valves also known as Check Valves.	(a) Swing Type: Sizes: 1-1/2" to 24", Standard: BS 5153 & BS 4090 & BS 12334. JIS 10K, JIS 16K, Class 125 & Class 150 (b) Wafer Type: Sizes: 1-1/2" to 24", Standards: BS 5155 & BS 593, JIS 10K, JIS 16K (c) Lift Check Valve (Spring Loaded): Sizes: 1-1/2" to 24", Standards: DIN 3230 & EN 558, JIS 10K, JIS 16K (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16, PN-25 & Class 125 & Class 150 Temp. rating: Upto 200°C, upto 350°C, Pressure rating: PN-10 & PN-16, Temp. rating: Upto 200°C, Upto 350°C, Pressure rating: PN-10, PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodular Iron GGG40.3	SAFCO (Scon Valves), 32 BI Main Gulberg, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New			iii) Tube Valves for Bicycle Tubes (TR1 28/32 VAR 28/32), Motorcycle tubes (TR4), Light Truck tubes (TR13, TR15), Motorcycle/Rickshaw/Sccoter tubes (TR87, DIN7777, JS87C), Passenger Cars (TR413)				Topnotch Rubber and Metal Industrial Co. Ltd., Plot No. 35A, FIEDMC, sahianwala, Faisalabad
845	901	84814000	i) Air Relief Valves	Kinetic: upto 24" dia (Excluding valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000)	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore
			ii) Safety shut off valve Model # LA/BP250 iii) Safety shut off valve Model # LA/TR-507	LFC-968 / LFC-969	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
846	902	84818090	i) Gate Valves/ Sluice Valves	i) B.S.S. 5163, 5150, 3464, 1218, AWWA C-500; upto 24" dia [Excluding Critical Downhole valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000]	Cast Iron	Grade 14 Mechanite Type GD	Ghulam Mohi-ud-Din & Sons, 6 Rehman Gali, Railway Road, Lahore
				ii) ANSI B 16.5; upto 24 " dia [Excluding valves with NACE compliance, Alloy Steel and with valid API 6A & 6D certification except those under PCT 7306.1000]	Cast Steel/ Carbon Steel	A216 GrWCB	
				iii) Cast Steel Gate Valves Flanged OS & Y Type Solid Wedge. 2" to 18" (excluding valves with NACE compliance)	As per API - 600	ASTM-A 216 WCB	Popular Pipe Fitting Manufacturers, 24-Shalamar Town Lahore
				iv) PN1.6, DN 50, 65, 80, 100, 125, 150, 250, PN10, DN 50, 100, 150, 250, 300, PN2.5,DN 20, 25, 50, 65, 80, 100, 200, 250, PN4.0,DN 50, 80, 100, 125, 150	--	--	
			ii) C.I. Gate Valves	i) Cast Iron Gate Valves Flanged 2" to 20" ii) Cast Iron Globe Valves Flanged 2" to 14" iii) Cast Iron Check Valves Flanged 2" to 16"	--	Grey Cast Iron	
			iii) C.I. Rubber Diaphragm Valves	Cast Iron Rubber Diaphragm Valves 2" to 10"	--	Grey Cast Iron	
			iv) Globe Valves	Cast Steel Globe Valves Flanged 2" to 14" (excluding valves complying with NACE)	--	ASTM-A 216 WCB	
			v) Stop Valves	PN 10, DN 25, PN1.6,DN20, DN10 PN10,	--	--	
			vi) Gate Valve, Rising Stem (OS&Y) & Non Rising Stem also known as SLUCE Valve.	Sizes: 2" to 24"- Standards: BS 5150 & EN 1171, Class 125, JIS 10K, JIS 16K, Class 150 & DIN 3352-1 (PN10) (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16 , PN-25 & Class 125 & Class 150 Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	SAFCO (Scon Valves), 32 BI Main Gulberg, Lahore.
			vii) Globe Valve, also known as Steam Valve.	Sizes: 1/2" to 24"- Standards: DIN 3230 & EN 558 & JIS 10K, JIS 16K, Class 150 & Class 125 (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN25 & Class 125 & Class 150, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	
			viii) Strainer Valve also known as (Filter).	Sizes: 2" to 24" (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	
			ix) Double Regulating Valve also known as Balancing Valve & Combination Flow Regulating Valve & Circuit Setter Valve	Sizes: 2-1/2" to 12"- Standards: BS 5152 & EN 13789 (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-16, PN-25, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	
			x) Butterfly Valve (Wafer Type)	Sizes: 2" to 24"- Standards: BS 5155 & EN 558 & DIN 3202 & EN 593 & Class 125 & Class 150, & JIS 10K, JIS 16K (Excluding of API, ANSI, & NACE Certification)	Pressure rating: PN-10 & PN-16, Temp. rating: Upto 200°C, Upto 350°C	Cast Iron GG25, Ductile Iron EN-JS-1050, Nodulor Iron GGG40.3	
			xi) Service Valve Lock Wing Type	3/4"x1/2" with insulated Union	Elongation 30%, Breaking load 21132.8 kg	ASTM A-126, C-3.45%, Si-1.88%, Mn-0.50	Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
847	903	84821000	i) UC Bearing (UC204 upto UC216) ii) Ball Bearing (6200ZZ/2RS upto 6218ZZ/2RS, 6300ZZ/2RS upto 6318ZZ/ 2RS, 6403ZZ/2RS upto 6418		--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala
848	904	84822000	Tapered Roller Bearing	30202 upto 30222, 30302 upto 30322 32203 upto 32222, 32303 upto 32322 11590/11520 upto 738249/ 7380248, 48548, 67048, 25590, 11949 etc	--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala
849	905	84823000	Spherical Roller Bearing	22205 upto 22222 22308 upto 22322	--	--	Maryam Bearing Industries, 22 KM Sheikhupura Road, Mouza Khanpur, Nabipura Freozawala
850	906	84832000	i) Cylindirical Self Lubricating bushes	Used in Home Appliances (Fans, Washing Machines etc.), Door Closers, Weaving Machines and other misc. equipments. As per company / customers requirements	ID = 6 - 50 mm, OD = 9 - 60 mm, Length = 6 - 50 mm, Hardness in 0-90 HRB	(a) Iron = Balance, Copper = 12 - 18% (b) Iron = Balance, Copper = 0 - 2%, Carbon = 0 - 0.6% (c) Copper = Bal., Tin = 8.5-9.5% (d) Copper = Bal., Iron <= 25%, Tin = 6.5-7.5%, Carbon <= 0.8%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
			ii) Flange Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 14 - 60 mm. Flange Height = 2 - 5 mm, Hardness in 0-90 HRB		
			iii) Spherical Self Lubricating bushes				
			iv) Spherical Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 40 mm max, Flange Height = 35 mm max, Hardness in 0-90 HRB		
851	907	84833020	Bearings, Plain Shafts, excluding carbon or graphite.	Self Lubricating, Sintered bearings. ID : 40mm, OD : 50mm, Lengths : 65mm	Cylindrical, Flanged and Spherical.	97% Iron & 3% Copper, 80% Iron & 20% Copper, 80% Copper and 20% Iron and 100% Bronze.	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
852	908	84833090	i) Cylindirical Self Lubricating bushes	Used in Home Appliances (Fans, Washing Machines etc.), Door Closers, Weaving Machines and other misc. equipments. As per company / customers requirements	ID = 6 - 50 mm, OD = 9 - 60 mm, Length = 6 - 50 mm, Hardness in 0-90 HRB	(a) Iron = Balance, Copper = 12 - 18% (b) Iron = Balance, Copper = 0 - 2%, Carbon = 0 - 0.6% (c) Copper = Bal., Tin = 8.5-9.5% (d) Copper = Bal., Iron <= 25%, Tin = 6.5-7.5%, Carbon <= 0.8%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
			ii) Flange Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 14 - 60 mm, Flange Height = 2 - 5 mm, Hardness in 0-90 HRB		
			iii) Spherical Self Lubricating bushes				
			iv) Spherical Self Lubricating bushes		ID = 6 - 40 mm, OD = 12 - 50 mm, Length = 6 - 50 mm, Flange Dia = 40 mm max, Flange Height = 35 mm max, Hardness in 0-90 HRB		
New	909	84834019	Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
853	910	84834090	i) Gears, power transmission	Ring, spiral bevel, spur, shafts & couplers	Hardened and carburized	Various grades of mild steel	1) Millat Equipment Ltd., 10 KM, Raiwind Road Lahore 2) Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
New			ii) Sintered Rotors	Oil Pump Rotors for General Industrial Purposes	Trochoid Rotors or Gerorots in set form with inner & outer rotor set wherein lobes on the inner rotor is one less than the outer rotor. The movement of the inner rotor is carried out with the shaft and the outer rotor moves with the movement of the inner rotor for the supply of oil for lubrication purposes.	(a) Iron = Balance Copper = 0 - 2% Carbon = 0 - 0.6% (b) Iron = Balance Copper = 1.35 - 1.65% Nickel = 1.58 - 1.93% Molybdenum = 0.45 -0.55% Carbon = 0 - 0.6% (c) Iron = Balance Copper = 1.35 -1.65% Phosphorus = 0.40 - 0.50% Carbon = 0.16% -0.66%	Adamjee Engineering (Pvt.) Ltd., Plot No. 1 & 16, Sector 20, Korangi Industrial Area, Karachi
854	911	85011000	AC Synchronous Moving Motor	Upto 7 Watt	Metal body	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore
855	912	85013100	DC Connector with O/P power of not exceed 12 kw	4.5-12 kw	DC O/P Generator	--	Alpine Industrialcon (Pvt) Ltd., 305/2, G.T. Road, Baghbanpura, Lahore
856	913	85014010	Single Phase Squirrel cage electric induction motors	200V-240V, 50HZ, Range : 0.5 HP (0.37KW) to 2HP (1.5KW)	--	--	MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore
857	914	85014090	Single Phase Squirrel cage electric induction motors	200V-240V, 50HZ, Range : 0.5 HP (0.37KW) to 2HP (1.5KW)	--	--	MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore
858	915	85015190	i) 3-Phase Vertical hollow shaft electric motors.	380V-480V, 50/60 Hz Range : 10HP (7.5Kw) to 220Hp (164Kw)			MECO (Pvt) Ltd., Peco Road, Kot Lakhpat, Lahore
			ii) Electric Motors (Low Voltage Induction Motors)	Horizontal, Vertical, Solid Shaft & Hollow Shaft Motors. 3 phase squirrel cage Induction motor excluding flame proof motors, Range 0.55KW to 355KW Efficiency Class IE1 & IE2	-	-	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore
859	916	85015210	Submersible Electric Motors of Stainless Steel	Range (4 KW to 75 KW), 3-Phase, 380-415V 50/60Hz and 6 - Inch, 8 - Inch, NEMA Standard	Water/ Oil Cooled, Rewindable Stator	Stainless Steel AISI-304	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore
860	917	85015310	Electric Motors (Low Voltage Induction Motors)	Horizontal, Vertical, Solid Shaft & Hollow Shaft Motors. 3 phase squirrel cage Induction motor excluding flame proof motors, Range 0.55KW to 355KW Efficiency Class IE1 & IE2	-	-	KSB Pumps Company Limited, 16/2, Sir Agha Khan Road, Lahore
861	918	85015320	Submersible Electric Motors of stainless steel	Range From 30 kW (40 HP) to 130 kW (175HP),220/380/460 Volts, 50Hz/60 Hz, 2-Pole/4-Pole, 8-inch NEMA Standard.	Water/ Oil Cooled, Rewindable Stator	Stainless Steel AISI 304	Komax Pvt Ltd., Plot No. 722, Sunder Industrial Estate, Raiwind Road, Lahore
862	919	85016100	Diesel Power Generting Set	750 KVA	Sound Proof	--	Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi.
863	920	85021120	Diesel Power Generating Sets	i) Of an output of above 5KVA but not exceeding 20 KVA ii) Of an output of above 20 KVA but not exceeding 50 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
864	921	85021130	Diesel Power Generating Sets	Of an output of above 20KVA but not exceeding 50 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700
865	922	85021190	Diesel Power Generating Sets	Of an output of above 50KVA but not exceeding 75 KVA 20 KW - 75 KW Diesel Daewoo, Perkins, Peugeot	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore.
866	923	85021200	Diesel Power Generating Sets	Of an output of above 75KVA but not exceeding 375 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore.
867	924	85021310	Diesel Power Generating Sets	Of an output of above 375KVA but not exceeding 1100 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Power Vision Systems (Pvt) Ltd., 16KM, Multan Road, Pakka Mile Stop Shahpur Kanjran, Lahore 5) Millat Tractors Ltd., Sheikhupura Road, P.O.Box 12023, Shahdra Lahore 6) Synergy Corporation, A-16, Sector 6-F, Mehran Town, Korangi Industrial Area, Karachi 7) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 8) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 9) Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi. 10) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
868	925	85021390	Diesel Power Generating Sets	Of an output of above 1100KVA but not exceeding 1250 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) General Electromax Company, 11-Km Jaranwala Road, Near Nazir CNG, Lahore 3) The Imperial Electric Co. (Pvt) Ltd., 28-Egerton Road, Lahore 4) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi 5) Iman Group, Plot No. 227, St No. 7, Sector I-9/2 Industrial Area, Near Dry Port Islamabad 6) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 7) Power Zone Engineering & Services, 1 KM, Jia Bagga, Jhado Road, Jia Bagga, Lahore.
869	926	85022020	Generating Sets with spark- ignition internal combustion piston engines	Above 5KVA to 1250 KVA	--	--	1) Gresham's Eastern (Pvt) Limited, F-302, S.I.T.E, Karachi 2) Advance Electronics International, L/21-D, Block-21, F.B. Industrial Area, Rashid Minhas Road, Karachi – 75700 3) Synergy Corporation, WH-18-A8 Korangi Creek Industrial Park, Korangi Industrial Area, Karachi
870	927	85022090	Genertors Fabrication ATS Panal	375 KVA but not exceeding 1100 KVA	--	--	Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi.
871	928	85030090	i) Carbon Seal (Mechanical) ii) Carbon Ring (Electrical) iii) Carbon Vane Plate (Mechanical)	Carbon Graphite	Mechanical	Various	Flecbon Corporation, OT 204, 2nd Floor, Techno City Office Tower, Hasrat Mohani Road, Off. I.I. Chundgrigar Road, Opp. Uni Plaza, P.O. Box 6123, Karachi
872	929	85042100	Transformers	i) Liquid dielectric distribution transformers with power handling capacity 5 kVA to 650 kVA and voltages 230V to 132000V. Rating use at nominal system voltage upto 145000V and current rating upto 6000A.	--	--	Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700
				ii) Distribution Transformers (Pole Mounted) - Capacity: 10 KVA to 630 KVA - 11 KV/ 415 Volt Step Down - 33 KV/ 415 Volt Step Down - 11 KV / 420 Volt Step Down iii) Pad Mounted Transfomer (Kiosk) - Capacity: 63 KVA (Single Phase), 100 KVA, 200 KVA, 400 KVA & 630 KVA (3-Phase) with H.V. & L.V. Panels (Step Down) iv) Shell Type or Toridal Type Transformer - Single or three phase - Air cooled or oil cooled	--	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
873	930	85042200	i) Transformers	Liquid dielectric distribution transformers with power handling capacity exceeding 650 KVA but not exceeding 10,000 KVA and voltages 230V to 132000V. Rating use at nominal system voltage upto 145000 volts and current upto 6000 Amps	--	--	1) Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
			ii) Power Transformers / Furnance Transformers/ Special Transformers	Power Transformers - Capacity: 750 KVA to 5000KVA - 11 KVA/ 415 Volt Step Down - 33 KV / 415 Volt Step Down - 11 KVA/ 420 Volt Step Down Furnance Transformers - Upto 5000KVA - Specific requirement of the Customers Special Transformers - Upto 5000KVA - Specific requirement of the Customers	--	--	Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore
874	931	85042300	Transformers	Liquid dielectric distribution transformers with power handling capacity over 10,000 KVA voltages 230V to 132000V. Rating use at nominal system voltage upto 145000V and current rating upto 6000A.	--	--	Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-75700
875	932	85043100	i) Instrument Transformers	Power Handling capacity not exceeding 1 KVA (Dry Type) As per IEC / WAPDA / KESC Specifications	Oil Immersed	--	1) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
			ii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
876	933	85043200	i) Distribution Transformers	Distribution Transformers (Pole Mounted) - Capacity: 5 KVA to 15 KVA - 11 KVA/ 415 Volt Step Down - 33 KV/ 415 Volt Step Down - 11 KVA / 420 Volt Step Down	Pole Mounted As per IEC/ WAPDA/ KESC Specifications	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
			ii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi
877	934	85043300	i) Transformers	Power Handling capacity exceeding 16 KVA but not exceeding 500 KVA As per IEC / WAPDA / KESC Specifications	Oil Immersed	--	1) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 2) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
			ii) Oil-Immersed Transformers	300KVA to 1700KVA			1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore 4) Elsewedy Electric Pakistan, B-72, Estate Avenue, SITE, Karachi-
			iii) Power Line Conditioner (Solid State AVR) 1000 VA To 40,000 VA	Power Guard Single Phase/ Three Phase	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi
New			iv) Current/Potential Transformer		--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
878	935	85043400	i) Transformers	Ratings upto 160MVA,Voltage rating upto 220KV,Oil filled type,standard IEC76,	--	--	Heavy Electrical Complex, Industrial Estate Distt. Haripur
			ii) Power Transformers / Furnance Transformers/ Special Transformers	Power Transformers - Capacity: 750 KVA to 5000KVA - 11 KVA/ 415 Volt Step Down - 33 KV / 415 Volt Step Down - 11 KVA/ 420 Volt Step Down Furnance Transformers - Upto 5000KVA - Specific requirement of the Customers Special Transformers - Upto 5000KVA - Specific requirement of the Customers	As per IEC/ WAPDA/ KESC Specifications	--	1) Transfopower Industries (Private) Limited, 2 Km, Katar Bund Road, Off. Multan Road, Thokar Niaz Beg, Lahore 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
879	936	85044010	i) Uninterrupted power supply (UPS)	500VA to 6600VA	Standard & Long Backup	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi
			ii) Solar Inverter /Solar Hybird System 600 VA To 5000 VA	Sun Sabre	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi
			iii) UPS /Inverter, (Except High Frequency MPPT, as per IEC Standard.) 600 VA TO 8 KVA	Excelsior Classic / Excelsior Premier / Excellence /EQP/Empower/Empower NEO/HOMY/HOMY NEO	--	--	
New	937	85044020	Grid Battery charger	110V/25A, 110V/40A, 48V/60A, 48V/150A, 48V/200A, 220V/40A, 220V/60A, 48V/100A	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.
New	938	85044030	EVX Charger	Voltage 308~ 415 VAC 15% 3 Phase 3ph +N+PE 60/50 Hz >0.99@full load Out put Power DC 50kw max. Power on, Charging and fault 7" TFT-LCD touch screen, Ethernet (Standard), 3G/4G/LTE Operating Temperature (-25 C to 50 C) Storage Temperature (-40 C to 70 C) Humidity <95% relative humidity, non-condensing Altitude Upto 6000ft	IP 54 IK 10 According to IEC 62262 Forced air 615 x 1660 x 750, excluding plug and cable 315 4.2mm OTA (over the air)	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
880	939	85044090	i) Uninterrupted power supply (UPS)	500VA to 6600VA	Standard & Long Backup	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi
			ii) Rectifiers, electric	200Vac to 48VDC, 10 to 40 Amps with or without battery backup (0.5 to 8 hours) SMPS technology	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) DC To DC SMPS 600 VA TO 8 KVA	DC input Range : 20-60 Vdc i.e 20-60 Vdc ---- 1.8A, 35-60 Vdc ---- 2.0A, 44-60 Vdc ---- 0.8A DC Output Range:12-24 Volts i.e 12 V ---- 1.8A, 12 V ---- 4.2A, 24V ---- 1.5A No Load current: 22mA, Operating Temperature: 0 to 45°C	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 85x62x93 mm Weight : 500g, designed for Integrated Power System (IPS) being installed at Telecom Sites operating at either Positive or Negative Voltage. It is suitable for wide range of DC Voltages (38 to 55.2 Volts)	--	
			iv) AC to DC SMPS	Operating Range/AC input: 100 - 265 Vac, 60-300 Vac, can sustain upto 450 Vac. Operating Frequency: 50/60Hz. Normal DC Output: 12Vdc / 24Vdc. Output Current (Max): 5A at 12Vdc, 2-32A at 24Vdc. Line / Load Regulation: 1%. Operating Temperature / RH Range : 0 to 50°C, 50% to 95% RH Non Condensina.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 100x62x93mm Weight : 540g an efficient switched mode power supply which converts a wide range of AC voltages into required dc voltages	--	
			vi) Power Supply Units	Input 19-36 VDC, Output 24VDC at 6-Amps and 24 Amps for 15 mSec & 50 VDC at 1.5 Amps, Voltage Regulation- 20% Max	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad
			vii) Solar Inverter /Solar Hybird System 600 VA To 5000 VA (Except High Frequency MPPT, as per IEC Standard.)	Sun Sabre	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi
			viii) UPS /Inverter	Excelsior Classic / Excelsior Premier / Excellence /EQP/Empower/Empower NEO/HOMY/HOMY NEO	--	--	
			ix) Constant Current Power Supply for LED Lights (1-300W)	For All types of LED Lights, Bulbs and Lamps.	--	--	Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi
			x) Infinity 5 KW, 9 KW & 15 KW Solar Inverter (Except High Frequency MPPT, as per IEC Standard.)	Hybrid (On Grid + Off Grid) Inverter with/without Energy Storage.	-	-	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
New			xi) Driver on Board (DOB) for LED Bulbs and Lights	1W-18W			1) Elite Screener, Plot No. C-21 & C-22 Block No. 9 AEECHS, Gulistan-e-Johar, Karachi 2) Sunflower Technology (Pvt.) Ltd., Plot No. 385, Sundar Industrial Estate, Lahore.
881	940	85049090	Speed Checking System for Vehicular Traffic	Speed Sensors capable of reading at up to 1.5 KM High resolution digital still camera / video recorder Number plate / Drivers face recognition Named / Unnamed operation modes Wireless communication enabled for remote	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad
882	941	85061000	Dry Battery Cell	R-20 (UM-1) & R-6 (UM-3) manganese Dioxide, non-rechargeable Size: R-20, R-6 & R-3	--	--	1) Kohinoor Battery Mfrs. (Pvt) Ltd., Tibet Centre,M.A. Jinnah Road, Karachi-74400 2) Indus Battery Industries (Pvt) Ltd., F-244, Manghopir Road S.I.T.E Karachi
883	942	85072000	i) Sealed Lead Acid Batteries (Maintenance Free Batteries)	i) 12 Valve Regulated Lead Acid (VRLA) Batteries 24 AH to 200AH, 2V cell 200AH to 3000AH (for use in telephone exchanges) ii) VRLA with AGM Technology in 2V 150AH to 3500AH, VRLA with AGM Technology in 12V 2.AH to 200AH to 200AH, VRLA with GEL Technology in 2V 150AH to 3500AH, VRLA with GEL Technology in 12V 2.5AH to200AH	--	--	Pakistan Accumulators (Pvt) Ltd., Head Office House No. 2, Street 63, F-8/4, Islamabad
			ii) 12 V 3.5 A / 12 V 7 A (VRLA MCB)	3/4 Ah / 7 Ah	VRLA Motorcycle and other Batteries	AGM Type	
			iii) Other Lead Acid Batteries/ Industrial Cells	12 Batteries, 24AH to 200AH, 2V Cell 200AH to 3000AH Sealed & VRLA Batteries	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iv) Other Lead Acid Batteries/Industrial	OPzS Tubular Plate Deep Cycle batteries in 2V 100AH to 3500AH, OPzS Tubular Plate Deep Cycle batteries in 12V 35AH to 260AH, OPzV 2V VRLA range from 150 to 3500AH for extended backups.,Traction range 2V100AH to 1000AH, Golf Cart 6V 225AH to &8V 160AH, 24V 110AH Tank batteries in maintence free & GEL Version.	--	--	
			v) Lead Acid Battery	2-6 Volts (For standby Storage, switch gears, Solar Panels etc.)	--	--	Exide Pakistan Ltd., A/45, Hill Street, P.O. Box No. 3680 SITE Karachi-75400
884	943	85111000	Spark Plug sleeve	For Janbacher Gas Engine JMS-620 - GS-N.L	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
New	944	85123090	Anti-theft Device	Temperature, Humidity, Vibration Sensor with GSM/GPRS	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.
885	945	85131030	Light-emitting diode (LED) Energy saving Rechargeable lamps:	All types of Rechargeable emergency light (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi
886	946	85131040	LED Solar Torches				Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad
887	947	85131090	Light-emitting diode (LED) Energy saving lamps:	All types of Chargeable LED lamps, (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi
888	948	85142000	Furnaces, Induction or dielectric, electric,	From 50kg upto 50MT	--	--	Electro Heat (Pvt) Ltd, 10-km Ottawa More, G.T. Road, Gujranwala
889	949	85161090	Electric Water Treatment	From 10 L to 100 Liter storage type, 2000 Watt element with safety device	--	--	Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala
890	950	85165090	Microwave Ovens	Up to 75 liters	--	--	1) Dawlance (Pvt) Ltd., Dawlance Center 7/4, Civil Lines 9 Dr. Ziauddin Ahmed Road Karachi. 2) Super Asia Muhammad Din Sons Ltd., G.T. Road Gujranwala
891	951	85168090	Electric Elements for heating	220/240 V A.C. , Wattage 2000-3000 Flange 2.5" BSW	Material Copper, incoloy, SS, Titanium, Dia 8mm, Length 11", 14", 18", 23", 27", 30", 36"	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
892	952	85171390	Smarthphone with accessories	Smartphone screen size 4", 4.5", 5.1" & 6" with standard specification OCTA processor & quad processors	–	–	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
893	953	85171419	Smarthphone with accessories	Smartphone screen size 4", 4.5", 5.1" & 6" with standard specification OCTA processor & quad processors	–	–	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi
897	954	85176290	i) PABX	- Megaswitch-500 Upto 500 Lines - Megaswitch-100 Upto 150 Lines - Megaswitch Series 50 Upto 48 Lines - Megaswitch Serires 30 Upto 32 Lines - Telemate-XII (2+10 Lines)	--	--	Megatech Communications (Pvt.) Ltd., 47, Banglore Town Off: Tipu Sultan Road. Karachi
			ii) Telephone exchanges	Standard / Modern electronic digital switching system (EWSD)	--	--	Telephone Industries of Pakistan, Khanpur Road, Haripur
			iii) Electronic Field Telephones Inter Trench Communication (ITC-2000)	EFT-101: Operating Voltage : 4.5VDC, Free Range: 300 to 3400 Hz, Impedance: 600 Ohms ITC-2000: Operating Voltage: 4.5VDC, Environmental Temperature: -15 to +55C, Impedance: -20 to +60C	Military standards	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iv) Digital Electronic Field Telephone Exchanges	PFX-6416 and PFX-3208: Power Requirement : 220VAC/24VDC, Ring Voltage: 90 VAC. 25 Hz, Operating Temperature:-30 to +55C PFX-1204: Power Requirement: 180 to 260VAC/24VDC, Ring Voltage: 90 VAC. 25 Hz, Operating Temperature -30 to +55C PFX-5200C: Power Requirement: 90 to 260VAC/48VDC, Ring Voltage: 2000 Ohms, Operating Temperature: -10 to +50C Automag 412: Power Requirement: 220VAC/12VDC, Ring Voltage: 90 V±20VAC, Operating Temperature -10 to +45C	--	--	
New	955	85176243	Enhance Communication Module	20-60Vdc, reverse polarity & fuse protected. GSM Bands: FDD-LTE: B1/B3/B5/B7/B8/B20 WCDMA/HSDPA/HSPA+: B1/B5/B8 GSM/ GPRS/EDGE: 900/1800 MHz	Ethernet POE LAN via 4 port external switch (optional) with Central Management Server Built in LTE 4G/3G/2G Modem & Ethernet Uplink (Model 884ECM only) Local Monitoring and Configuration RS232 port/USB I/Os: Digital Inputs 14 x Digital Inputs Dry Contact Monitoring, Analog Inputs 3 x External Temperature Sensors (Digital & Analog)	--	SalTec Smart Power (Pvt.) Ltds., 1-A/2, Sector 15, Korangi Industrial Area, Karachi.
899	956	85176970	Optical Network Unit/ Optical Network Terminal (ONU/ONT)	For internet 1GE + 3FE + CATV + RF + POTS + Wifi Networking equipments like routers, LAN bridges, modem, hubs excluding switches and repeaters.	GPON FTTH Multi-service WIF ONU Two Fibers Three Wavelength	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad
900	957	85182100	Loudspeakers, Single, mounted in their enclosures	Speaker for Car Radio & Cassette player	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi
901	958	85198910	CD players, audio, without sound recording device	Radio CD/MP3 Players	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi
902	959	85232100	Cards incorporating a magnetic stripe	Magnetic Card			Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad.
903	960	85232910	Cassettes, magnetic, audio, blank, width not over 4mm	Blank/Recorded	--	--	B. S. Magnetic (Pvt) Ltd., LA-1/8, Block 22, Federal B. Industrial Area, Karachi
904	961	85232930	Cassettes, magnetic, audio, blank, width not over 4mm	Blank/Recorded	--	--	B. S. Magnetic (Pvt) Ltd., LA-1/8, Block 22, Federal B. Industrial Area, Karachi
905	962	85234110	CD-R, blank, for computer	CD-R (Blank)	--	--	Oyster Technologies (Pvt) Ltd, Plot No.08, Sector 24, Korangi Industrial Area, Karachi
906	963	85234120	DVD, for computer	DVD-R	--	--	Oyster Technologies (Pvt) Ltd Plot No.08, Sector 24, Korangi Industrial Area, Karachi
907	964	85235210	SIM cards	GSM SIM Cards			Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad.
908	965	85235220	Memory Cards	Nadra/Banking Cards			Kwick High Tech & Solutions (Pvt) Ltd., Plot No. 100-A, Street No. 14, Sector I-9/2, Industrial Area, Islamabad.
909	966	85255090	i) Ground to Air UHF / VHF Communication Radio	Synthesized VHF/UHF Transceivers 32 Programmable channels, Channel scanning , Dual Channel ( ) Watch 108 ~ 137 MHz & 225-400 MHz frequency ranges, Built in Test equipment	--	--	East West Infiniti (Pvt) Ltd., Plot 146 Industrial Triangle, Kahuta Road, Islamabad
	967		ii) Upgraded VHF/FM Radio Set VHF/ FM Frequency Hopping Manpack & Vehicular Radio Sets	PRC-77/PK - Operating Voltage 4.5 VDC - Storage Temperature -20 To +60C - Environmnetal Temperature -15 TO +55C 9600 Series - Operating Temp Range -40 to +60C - Storage Temperature -55 To +70C - Environmnetal Temperature 3120	--	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur
	968	85256060	GSM/GPS Tracker Online/Offline	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.
912	969	85285200	LED Monitor	LED monitor screen size 18.5", 19.5" , 21.5", 27", 32"	--	--	OneApple International Corporation Plot # 12 Sector 24، Main Korangi Road, Sector 24, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
913	970	85287110	Free to Air (FTA)	Reception apparatus for receiving satellite signals of a kind used with TV (Satellite dish receivers)	--	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad
914	971	85287190	Set Top Box	DVB-C/ DVB-T/IPTV (For cable TV, IPTV, Terestrial) Other Set Top Boxes	Interface to the Internet and also enables a television set to receive and deode digital television (DTV) broadcasts	--	Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad
915	972	85287211	Television sets, colour	Liquid crystal display (LCD)	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,
916	973	85287219	Television sets, colour	Colour Television Sets of screen sizes 14" to 62" including Conventional type TV sets, Flat TV sets, Projection TV sets, Plasma TV sets. Compatible NTSC/PAL	Image displays	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi, 4) Sysco Industrial Company, 4th Floor Al-Hayat Centre, 14/A Hall Road Lahore 5) S.N.H Industries (Pvt.) Ltd. L-9 Block 21 F. B Industrial Area Karachi 75950
917	974	85287290	Receiver sets	Reception apparatus for receiving satellite signals of a kind used with TV (Satellite dish receivers)	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,
918	975	85287300	Television receiver sets, colour, black & white or other monochrome.	Colour Television Sets of screen sizes 14" to 62" including Conventional type TV sets, Flat TV sets, Projection TV sets, Plasma TV sets.	--	--	1) Dynasel Ltd., 20/II, Block-D, Model Town, Lahore 2) New Allied Electronics Industries (Pvt) Ltd. 7th Floor, Lakson Squaire Building, No.1, Sarwar Shaheed Road, Karachi 3) Singer Pakistan Ltd. 608, 6th Floor, Beaumont Plaza, Beaumont Road, Near PIDC House, Karachi,
919	976	85291090	Antennas for radios and television sets	Antenna Ass'y for Car Radio	--	--	Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi
920	977	85299090	Television body	Plastic Covers front and back for televisions	--	--	Synthetic Products Enterprises (Pvt) Ltd., 127-S S.I.E Kotlakhpat Township Lahore
921	978	85311000	GSM Based Security Alarm Systems	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.
922	979	85318000	i) DC Tower Light Controller (DC TLC)	Operating Voltage Range: -60Vdc to -40Vdc. Load Range: upto 30 watts LED Tower Light. Temperature Raange: -20 to 60°C. Load Lower Threshold: 100mA (4.8 watts). System Indication : 3x LED (Input Power, Lamp / Tower. Operating Modes: 3 X Modes (Calibrate: Auto & Manual)	Dimensions: 85x62x93 mm Weight : 500g A microcontroller based device which controls the 'blinking' of DC Tower Lights at any Telecom sites as per PTA requirements, monitors the tower light load and generates alarm in case of tower lights failure / solar switch failure. Work for both 12V to 48V	--	SalTec Smart Power (Pvt.) Ltd., ~~Powerlink~~, 1-A/2, Sector 15, Korangi Industrial Area, Karachi
			ii) Exit and Emergency LED/SMD Lit sign boards with and without backup				Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad
923	980	85321000	i) Capacitors, fixed, power	Single Phase capacitors for voltage up to 2000 V, Three Phase Capacitors for voltage up to 1000 V, 50 and 60 Hz, dry type as well as oil impregnated, In rating up to 200 kVAr.	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore
			ii) L.V. Power factor improvement capacitors single phase and three phase	0.50 KVAR upto 200 KVAR 220 VAC upto 660 VAC	Plastic and Aluminum Body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
924	981	85322200	i) Capacitors, fixed, Aluminum electrolytic	Capacitors in Voltages up to 440V 50/60 Hz, rating up to 400 MFD	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore
			ii) Capacitors for motor start application	20UF upto 400UF 100 VAC upto 660 VAC	Aluminum and backelite body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
925	982	85322500	i) Capacitors, fixed, dielectric, of paper of plastic	Capacitors of voltage up to 660 V, 50/60 Hz, in aluminum and plastic casings	--	--	Amber Capacitors Ltd., 16 Link McLeod Road, Lahore
			ii) Capacitors for domestic appliances	0.50 uf upto 100 UF 100 V.A.C upto 660 V.A.C.	Plastic and Aluminum Body	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Special application capacitors	0.25 UF upto 3.0 UF 2 K.V upto 12K.V.	M.S & S.S. Container	--	
926	983	85322900	Capacitors Up to 11 KV /12/3Kv High Voltage /Shunt Capacitors	Single Phase Capacitors for voltage up to 12000 volts oil impregnated, in rating 25 kVAr up to 600 kVAr	Mild Steel	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
927	984	85340000	i) Printed Circuit Boards	Single,Double Sided and multilayer, rigid, bare PCBs for all types of Electronic Products.	--	--	Smart PCBs, Service Road, Shaheen Town near Airport Chowk, Rawalpindi
			ii) Bare Metal Clad Printed Circuit Boards (MCPCB) for LED Lights.	Metal Clad Printed Circuit Boards (MCPCB) and Single, Double Sided and Multilayers PCBs for all types of Electronic Products including LED Lights, Bulbs and Lamps	--	--	Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi
928	985	85351000	i) Fuse Dropout/ Cutout	For 11KV Transmission Lines	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			ii) LT HRC Fuse Base	630A for Low Voltage Distribution System	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
929	986	85353010	Isolating Switches/ Disconnect Switches	Isolating Switches (Air Insulated) and make-and-break switches for a voltage upto 145kV	--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
New	987	85354010	Lightening and Surge Arrestors	Voltage limiters and Surge suppressors over 1 KV	--	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
930	988	85363000	Auto Phase Switcher (APS)	Power rating (kVA): 25kVA/30kVA Protection against high/low voltages (configurable):Under-voltage Range = 100-200Vac Over voltage range = 225-280Vac 3 Phase Voltage Range (Vac): 125 to 275 Vac (Default), can be adjustable 100-280 Vac via APS. Remote Monitoring - optional via RS485 interface	Enclosure: Extruded Aluminium,Powder coated Mounting Style: Din Rail. Dimensions: 120x62x93 mm; Weight : 620g APS monitors 3 phase AC Mains Supply and ensures that 3 phases are available to load, under scenarios of single or double grid phase failure. It`s an auto-looping device to maximize grid utilization to reduce genset usage. Used mostly in telecom tower sites.	--	SalTec Smart Power (Pvt.) Ltd., ~~Powerlink~~, 1-A/2, Sector 15, Korangi Industrial Area, Karachi
New	989	85364190	DC Supervision Relay	110V- DC, 220V-DC	--	--	GES (Pvt.) Ltd., 2nd Floor, U-Block, Trust Plaza, Model Town, Gujranwala.
931	990	85364990	Annunciators	Transformer temperature gauges, Trip circuit DC supervision relays, Under Voltage relays, Motor protection relays, Panel humidity controllers, Timers, Flasher relays, Automatic transfer switch.	--	--	E-Labs, 456/7, Lane12 A Iqbal Park Cantt. Lahore.
932	991	85365099	Electric Switches	Plugs and Socket-Outlets, voltage not over 1 KV, for household and similar purposes electrical switches, power plugs/sockets assemblies for household/ industrial application - outlets without interlock for fixed - outlets for selv - for adaptors - outlets with in terlock for fixed installations-Appliance couplers for - Part 2-1: Sewing machine couplers -Part 2-2: Interconnection couplers for household and similar equipment -- Part 2-3: Appliance coupler with a degree of protection higher than IPX0 -IEC system of plugs and socket-outlets - Part 1: 16 A 250 V a.c. -IEC system of plugs and socket-outlets - Part 2:15 A 125 V a.c. -IEC system of plugs and socket-outlets - Part 3: SELV plugs and socket-outlets, 16 A 6V, 12 V, 24 V, 48 V, a.c. and d.c. -"Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c." - surge voltages in low-voltage AC Power circuits-Radio-noise emissions from low-voltage electrical and electronic equipment in the ranage of 9 KHZ to 40 GHz -	--	Polycarbonate, Multigrade PVC,Cu 99.9%,ABS,PC,	The Crown Engineering Works (Pvt) Ltd., 17-KM, SHeikhupura Road, Lahore
933	992	85366910	DPs	- 10 Pairs - 20 Pairs - 50 Pairs - 100 Pairs	Pillar Type DPs, Pole Type, Cross Connectoin Cabinets, DP Thermo Plastic (Pole type)	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
934	993	85366990	Electrical Plugs and Sockets	Plugs and Socket-Outlets, voltage not over 1 KV, for household and similar purposes electrical switches, power plugs/sockets assemblies for household/ industrial application - outlets without interlock for fixed - outlets for selv - for adaptors - outlets with in terlock for fixed installations-Appliance couplers for - Part 2-1: Sewing machine couplers -Part 2-2: Interconnection couplers for household and similar equipment -- Part 2-3: Appliance coupler with a degree of protection higher than IPX0 -IEC system of plugs and socket-outlets - Part 1: 16 A 250 V a.c. -IEC system of plugs and socket-outlets - Part 2:15 A 125 V a.c. -IEC system of plugs and socket-outlets - Part 3: SELV plugs and socket-outlets, 16 A 6V, 12 V, 24 V, 48 V, a.c. and d.c. -"Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c." - surge voltages in low-voltage AC Power circuits-Radio-noise emissions from low-voltage electrical and electronic equipment in the ranage of 9 KHZ to 40 GHz -	--	Polycarbonate, Multigrade PVC,Cu 99.9%,ABS,PC,	The Crown Engineering Works (Pvt) Ltd., 17-KM, SHeikhupura Road, Lahore
New	994	85367000	Optic Fiber Joint Enclosures	--	--	--	Premier Cables (Pvt.) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi.
935	995	85369030	Magnetic Contactor	--	--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore
936	996	85369090	i) Junction Boxes	Electrical Wiring Accessories, voltage not over 1KV (Excluding explosion & flame proof)	--	--	Clipsal Pakistan (Pvt) Ltd., 101-102, Sector 15, Korangi Industrial Area, Karachi
			ii) Insulating Piercing connector	IPC 16-95 / 4-35mm² for Connecting XLPE Insulator LT ABC Sub Main to Service Cable Specification K-R&D-PD-19	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
			iii) Line Tap	120mm² for 230/400/110000 Volts Overhead Distribution System	--	--	
			iv) PMT Bus Bar arrangement	Pole mounted Distribution Transformer Specification K-TPRE-BBA-285.	--	--	
937	997	85371090	i) Control Panels	L.T. Switchgear panels upto 1,000 Volts and lighting / power distribution boards, control panels, control signaling and relay panel for grid stations, rectifier panel upto 200 Amps. Motor Control Centers including Programmable Logic Controllers and related instrumentation and control, sugar, steel rolling, low voltage switchgears PFI Plant. [Excluding panels of proprietary compressor engine Oil & Gas application valves pumps & actuators and in explosion & flame proof exclusion. Certified by ATX, explosion proof].	--	--	1) Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore
			ii) Switchboards	Direct-on-line starter 10HP NSD starter 15 HP, Motor control unit 25 HP, automatic starter of delta type of 50 HP, 5-250 HP ASD Starter, 5-15 HP DOL Starter. [Excluding certified by ATX, Explosion Proof]	--	--	Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700
			iii) Meter Security Boxes (WAPDA Specification, DD-S-58:2001) iv) LT Service Box (WAPDA Specification P-72:85)		--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			v) Control Panel with other accessories ATS Panels		--	--	Smart Power Systems (Pvt) Ltd., Near Super Highway,Ashanabad Industrial Area Karachi.
938	998	85372000	Control Panels i) H.T. Circuit breakers (Switchgear) panels upto 4000A, 40KA & 17500 Volts ii) 3 Phase, upto 60KVA, protection panel for severe over voltage (slow & fast), phase-neutral reversal, etc	[Excluding panels of proprietary compressor engine Oil & Gas application valves pumps & actuators and in explosion & flame proof exclusion. Certified by ATX, Explosion Proof]	Microprocessor based, with remote alarm interface	--	1) Siemens Pakistan Engineering Co. Ltd., B-72, Estate Avenue, SITE, P.O. Box No. 7158 Karachi-75700 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E., P.O Box No. 3603, Karachi - 75700 3) Elmetec (Pvt) Ltd., 19 KM Ferozepur Road, Lahore 4) SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			Switchboards, Switchgears & Panels	Up to 17.5 kv; 4000 AMP, 40 KA	--	--	1) IMS Electric (Pvt) Limited (Former: Schneider Electric Pakistan (Pvt) Ltd., D-163, S.I.T.E Karachi 2) Johnson & Phillips (Pakistan) Ltd., C-10, South Avenue, S.I.T.E. , P.O Box No. 3603, Karachi - 75700
939	999	85392200	Electric Bulbs	Bulbs from 25W to 200W, Life upto 1000 Hrs, voltage over 100 V	--	--	Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar
940	1000	85393110	Energy saving lights:	Varing Voltages	--	--	Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad
941	1001	85393210	Energy saving lights:	Varing Voltages	--	--	Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad
942	1002	85393220	Light-emitting diode (LED) Energy saving lights:	All types of Energy Saving Tube Lights (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad
943	1003	85393290	SMD/LED/LVD Lights with or without Ballast, PV Module, Fitting & Fixtures		--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad
944	1004	85395210	LED Bulb	All types of LED Bulbs/lamps (All sizes); {AC/DC} (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 5) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar 8) Telecast Technology Pakistan (Pvt) Ltd., Plot No. 375-B, Street No. 16, Potohar Road, Sector I-9/3, Islamabad 9) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore
945	1005	85395220	Light-emitting diode (LED) Energy saving Tubes:	All types of LED Tube Light (All sizes); {AC/DC} (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps Mfg Co. Ltd., 483/E-1, Tariq Road, Peshawar Cantt., Peshawar 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Areebah Technologies Ltd., Plot # 102, St # 7, I-10/3, Industrial Area, Islamabad 7) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 8) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New	1006	85399090	i) Stuff Metal Clad Printed Circuit Board (MCPCB) for LED Lights, Bulbs and Lamps	--	--	--	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi 3) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 3) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 4) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi 5) Smart PCBs, Service Road, Shaheen Town near Airport Chowk, Rawalpindi
New			ii) Housing for LED bulb iii) Led Bulb PC cover iv) Lenses for LED Bulb Led bulb shell cover	1W to 18W	-	-	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 3) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi. 4) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 5) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore
New			v) Housing shell cover for LED Bulb	1W to 18W	-	PC	1) Paklite Electrical Industries (Pvt) Limited., Sheikhupura Road, Gujranwala 2) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 3) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore. 4) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 5) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi
946	1007	85408900	Pre-chamber gas valve	For Janbacher Gas Engine JMS-620 - GS-N.L	--	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
947	1008	85414300	Photovoltaic Modules (Solar Panels)	Maximum Power: 5 Watts to 445 Watts Nominal Voltage: 6V/ 12V / 24V/48V 635X505X3.2mm ~ 1950X986X3.2mm	- Operating Temp. -40ºC to +90 ºC - Storage Temp. -40ºC to +90 ºC - Pressure bearing < 5400 Pa - Wind bearing < 2400 Pa - Hail Impact test 25mm diameter hail - Ball at 23.00 m/s, directed at 11 impact location - Temp. Coff of Isc +0.05% / C - Temp. Coff. of Voc – 0.34% / C - Temp. Coff. of Pm-0.5%/C - Power Output Tolerance + 3%	--	1) Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad 2) Sunlife Solar Co. (Pvt) Ltd., Al-Badar Industrial Zone, Madni Ali Stop, 19 KM Sheikhupura Road, Lahore
948	1009	85423300	Pair Gain System	Optical 4, 8 & 12 clear 64 Kbps channels over one single copper pair.	--	--	National Radio Telecommunication Corporation, Marketing & Sales Deptt National Radio Telecommunication Corporation T&T Colony Haripur
949	1010	85441110	i) PVC Cable	10mm to 300mm sq. (Excluding ultra violet treated cables)	Copper-Aluminium PVC, Polythyne	--	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			ii) Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
950	1011	85441190	i) PVC Cable	10mm to 300mm sq. (Excluding ultra violet treated cables)	Copper-Aluminium PVC, Polyethylene	--	1) Cable & Conductor Ltd., 1st Floor, 41 Civic Centre, Barkat Market New Garden Town, Lahore 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			ii) Enamelled Copper Wire	Type of Varnish: Plyurethane, Polyester Imide; Diameter Test: Bare Dia as per international standard, Coated dia: Grade-2, Elangation Test of thin guages: 25% to 27%, Elangation Test of thick guages: 28% to 36%, Break Down Voltage Test: 6Kv to 12Kv (Excluding ultra violet treated cables)	--	--	1) Wahid Industries Ltd., G. T. Road, Gujrat 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
951	1012	85441900	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd. 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
New			ii) Electric Wire (Insulated)	1W to 18W	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
952	1013	85442000	i) Telephone Cables PVC Insulated	Range of Sizes: 1 Pair to 50 Pair Pakistan Cable's spec and as per others specification e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	Armoured / Un-Armoured	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			ii) Welding Cable	Range of Sizes: 16MM² to 300MM² BSS-638 (Excluding ultra violet treated cables)	Rubber Sheathed		
			iii) LSF Cable / HFFR for all GWC/LV/MV/ Flexible cable	Range of Sizes: as per Customers requirement IEC-60502, BSS-7211, BSS-6724 Also as per others specification. e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	• Low Smoke & Fume • Halogen Free Fire Retarded		
			iv) Insulated Cable	Drop Wire and Spiral - 4 Range of Sizes: as per Customers requirement (Excluding ultra violet treated cables)	--		
			v) Shooting Wire	Voltage Grade: upto 300/500 Volts (Excluding ultra violet treated cables)	--	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			vi) Cables, co-axial	Cable Bond etc (Excluding ultra violet treated cables)	--	--	1) Automate Industry, C-23, Estate Avenue, S.I.T.E , Karachi 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
953	1014	85444910	Telephone Cables	All telephone cables i.e. telecommunication cables, indoor telephone cables, audio/radio frequency cables, junction cables, primary cables, secondary cables, jelly filled cables, drop wire, switch board & jumper cables. (Excluding ultra violet treated cables)	--	--	1) Atlas Cables (Pvt) Limited, Karachi, 9th Floor Textile Plaza, Mumtaz Hasan Road, P.O. 5195, Karachi-74000 2) A.G.E. Cables, 97-A Industrial Estate Jamrud Road, Peshawar, 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi 4) Pakistan Telephone Cables, Room No. 107, Elahi Center, Preedy Street Saddar Karachi-74400 5) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 6) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
954	1015	85444920	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064", BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd. 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 4) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700
			ii) Multicore core, flexible, flat type copper, insulated (all features together)	From 1 mm^2 to 400 mm^2 Voltage grade upto 1000 Volts BS 6004; BS 6346/BS 6500 (Excluding ultra violet treated cables)	--	--	
			Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
955	1016	85444990	i) General House Wiring (PVC)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064" BS-2004, BS-6004	T/S, Elong, DC Resistance IR, HVT	Purity: 99.99%	1) H.M. Esmail & Co. (H.M. Cables), SB-5, Madina City Mall, 6th Floor , Abdullah Haroon Road, Karachi 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Air field lighting cable and Submersible Cables	Range of Sizes: as per Customers requirement Voltage Grade: a) Upto 5KV b) upto 600/1000 Volts As per customer required Specs and as per others specification. e.g Europeans,American, Japanese,etc (Excluding ultra violet treated cables)	PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC	1) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi
			iii) Control Cables	With copper conductor 600/1000 volts WAPDA P100:2005 (Excluding ultra violet treated cables)	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700
			iv) Insulated wire, cables	Single Core & Multicore (Including Co-axial cable) PVC/XLPE Range of Sizes: 0.5MM² to 1000MM² Voltage Grade: Up to 15KV BSS-6004, IEC-227, IEC-60227, IEC-502, IEC 60502, BSS-6346. Also as per others specifications e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC • XLPE	
			v) L.V cable	Copper or Aluminium conductor. XLPE or PVC insulated cable. Single Core & Multicore Range of Sizes: 1.5MM² to 1000MM² Voltage Grade: upto 1900/3300 volts BSS-6346, IEC-502, IEC -60502. Also as per others specification.e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Aluminium Electrical Grade • Electrical Grade PVC • XLPE	
			vi) M.V.Cables	Copper or Aluminium conductor, XLPE Insulated cable. SingleCore & Multicore Range of Sizes: 16MM² to 630MM² Voltage Grade: upto 15000 volts IEC-502 IEC - 60502. Also as per others specification.e.g Europeans, American, Japanese,etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Aluminium Electrical Grade • Electrical Grade PVC • XLPE	
			vii) Flexible Cables	Range of Sizes: 0.5MM² to 630MM² Voltage Grade: 300/500 Volts IEC-60227, BSS-6004, BSS-6500, IEC-227 Also as per others specification.e.g Europeans, American, Japanese etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC	
			viii) Control Cables PVC /XLPE Insulated	Range of Sizes: 5 Core to 61 Core Voltage Grade: upto 600/1000 Volts BSS-6346, IEC-502, IEC-60502. Also as per others specification.e.g Europeans, American, Japanese, etc (Excluding ultra violet treated cables)	• Armoured / Un-Armoured • PVC Sheathed	• High Conductivity Copper • Electrical Grade PVC • XLPE	
			ix) Electric Cables	Upto 1000 Volts Sizes: 0.005mm to 630mm (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Universal Cables Industries Ltd., 61-C, Jami Commercial Street # 7, Phase 7, D.H.A., Karachi. 2) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 3) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			x) PVC wiring cable	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 6004 (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			xi) PVC Insulated Armoured Power Cable	From 16 mm^2 to 1000 mm^2 600/1000 Volts BS 6346 (Excluding ultra violet treated cables)	--	--	
			xii) Low smoke zero helogen Cable	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 7846 (Excluding ultra violet treated cables as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi - 75700
			xiii) Flame retardant cables	From 1 mm2 to 1000 mm2 Voltage grade upto 1000 Volts BS 6387 (Excluding ultra violet treated as well as, Cables with following Grades/ Specifications; AESS XF, ARX, AVXS, AVSSHF, CHFOS, FL-PE, HFSSF, SHE-J, SHSHYCJ, AEX F, AVSS XF, CAVS, CHFUS, HF, HF-ASAQ, HSHEQ, AVSSHF (Shield wire), YAEXF, TW20#02000, SHE-JF, HEBX, PEST, AEX, AVSSXCSS2FX1, AVXF, AVXSYF, AVX, HSHEJ, ARXF, AVSXY, AVSSXCS, AVSX, AVSXF, AVSSX, SHE-HP, SHE-JB, VSSXTF, OHFAS, CIVUS, IVSSH, IVSSHF, ALVUS, ALVSS, PESXF/ PEXBS.	--	--	
			xiv) Air Field Lighting cable	FAAL-824 IEC 502 (Excluding ultra violet treated cables)	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			xv) Electric Wire (Insulated)	3/.029", 7/.029", 3/.036", 7/.036", 7/.044", 7/.052", 7/.064"	--	--	K. Caps. (Pvt.) Ltd., 4-H, Gulberg-III, Lahore.
			xvi) ABC Cable LV	Low Voltage Aerial Bundled Cables (ABC) All sizes upto 630 mm sq	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
			xvii) L.V Shielded Instrumentation Cable	Low Voltage shielded/screened (copper braiding/copper tape/tinned copper braiding/aluminium foil) instrumentation cables	--	--	
			xviii) L.V Fire Resistance Cable	Low Voltage Fire resistant cables 1 mm sq up to 630 mm sq	--	--	
			xix) L.V Solar Cable	Low Voltage Solar Cables (photo voltaic Cables) 1 mm sq up to 630 mm sq	--	--	
			xx) Cables with connector	Electric cables with connectors punched on either or both sides	--	--	Millennium Cable Industreies, 13 Km Multan Road, Lahore
			xxi) Power Cords	Electric cables with injection molded power show at one end and connectors at the other end.	--	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
956	1017	85446010	i) Underground XLPE Insulated Medium Voltage & High Voltage Cable	For Voltage exceeding 1,000 V but not exceeding 32,000 V	--	--	1) Newage Cables (Pvt) Ltd., Newage Mansion Mcleod Road, Lahore 2) Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore 3) Pakistan Cables Limited, B-21, SITE, P.O. Box No.5050, Karachi
			ii) M.V Cable / ABC Cable MV	Medium Voltage Aerial Bundled Cables (ABC) All sizes up to 630 mm sq Medium voltage cables (MV) (3.6/6kV), (6.35/11kV), (8.7/15kV), (12/20kV), (18/30kV), (19/33kV)	--	--	Fast Cables Ltd., 192-Y Block, Commercial Area, Phase-III, DHA, Lahore
957	1018	85447000	ii) Optical fibre cables	1.Direct Buried/Armoured from 1 to 288 fiber count standard loose tube design (both dry block and jelly filled construction) 2.Duct Type/un-Armoured from 1 to 288 fiber count standard loose tube design (both dry block and jelly filled construction) 3.All Dielctic Self Supporting Aerial cable (ADSS) Un-armoured from 1 to 288 fibre count standard loose tube design (both dry block and jelly filled construction) 4. Single Mode and Multimode, Buried Cable, Duct Cable, Arial Cable, Central loose tube cable, Gc-652 complied and Gc-655 Complied. Patch Cord and pigtail (all connector type) Single mode and Multimode Patch Cord, Pigtail. (Excluding ultra violet treated cables)	Cable dia 12 to 18 mm.	The cable is manufactured with several co-polymer coated and several other materials like PBT,Thixotropic	1) Celmore Cable Industries (Pvt) Ltd., Plot No. 13, Phase 4, Hattar Industrial Estate, District Haripur, NWFP 2) Premier Cables (Pvt) Ltd., 43-E, Block 6, P.E.C.H.S., Behind FedEx, Off Razi Road, Shahrah-e-Faisal, Karachi 3) LT Engineering & Trade Services (Pvt) Ltd., Lub Thatto, Hassanabdal-43730
958	1019	85452000	Carbon Brush	Carbon Graphite	Electrical	Various	Flecbon Corporation, OT 204, 2nd Floor, Techno City Office Tower, Hasrat Mohani Road, Off. I.I. Chundgrigar Road, Opp. Uni Plaza, P.O. Box 6123, Karachi
959	1020	85462000	Insulators (Suspension & Tention Insulators, Pin Type, Cutout, Spool, Post Insulators)	Power Insulators	Tensile Strength of Insulators, 70Kn to 120KN	--	Emco Industries Limited, 4th-Floor, National Tower, 28-Edgerton Road, Lahore
960	1021	85469000	i) Insulators, electric, excluding glass and ceramic	95 BIL at 210 PMA Size dia.75x130mm =17373 N as per Din 1451, CEI-ICE273 Size dia. 84x175mm =11938 N as per Din 1451, CEI-ICE273	--	--	IMS Electric (Pvt) Limited (Former: Schneider Electric Pakistan (Pvt) Ltd., D-163, S.I.T.E Karachi
			ii) Insulator; - (LT ABC) for D-Clamp 5-½" - (LT ABC) for D-Clamp 3-½"	LT ABC Insulator bundle holder	PA 66 with 30% GF	--	Alsons Industries (Pvt) Ltd., S-18, S.I.T.E., Karachi
			iii) 11 KV Silicon Rubber Insulator Type DO Cut-out	11 KV Dropout Cut -out (Silicon Rubber Type)	Copper 99.9%, Brass, Steel, Glass Fibber, Silicon Tube, MS Sheet, MS Hardware	--	
961	1022	86071900	Wheels, locomotives or rolling-stock	Traction Pinion and Gears 17T, 18,T, 19T, 24T, 60T, 92 Teeth	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
962	1023	87053000	Fire Fighting Vehicles	Fire fighting vehicles, built on locally-available Chasis	Truck Mounted Trailer Mounted	--	1) Haseen Habib Corporation [Pvt] Limited, 123/3 Quaid e Azam Industrial Estate, Lahore 2) Colibrative Heavy Industries (Pvt) Limited., Chowk Saeed, Sagian Bypass Road, Shahdhara, Kot Abdul Malik, Lahore 3) Meraj (Pvt) Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135 Karachi – 74900 4) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 5) Automobile Corp. of Pakistan (Pvt) Ltd., 14, Dockyard Road, West Wharf, Karachi 6) Pakistan Vehicle Engineering (Pvt) Ltd., D-134, S.I.T.E, Manghopir Road, Karachi 7) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 8) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
963	1024	87059000	i) Truck Mounted Drlling Rigs and accessories ii) Vehicle Mounted Logging, Geophysical Instruments	Drilling Depth Capacity upto 2000 meter Logging Depth Capacity upto 2000 meter	--	--	Better Engineered Solutions (Pvt) Ltd. 102, Pacific Centre, F-8 Markaz Islamabad

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			iii) Special Purpose Vehicles	Suction and jetting vehicles, Crash Tender, Rescue vehicle, Beach sweeper, Tank transporter, Mobile workshop, Mobile kitchen, Mobile toilets, Recovery Vehicles/cranes, Wreckers, Tow Trucks, Skip Loaders, Street Sweeper, Cranes, Aerial Ladder, Insualted Aerial, Platform /utility truck, Snorkel, Flatbed Trailer, Low Bed Trailer, Scissor Lift /cross lift, Refuse Compactor, Collector truck, Rotavator (Tractor attachment), Hi Catering Truck	Truck Mounted Trailer Mounted, etc	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Colibrative Heavy Industries (Pvt) Limited., Chowk Saeed, Sagian Bypass Road, Shahdhara, Kot Abdul Malik, Lahore 3) Meraj (Pvt) Limited, Plot No. 11, Sector 15, Korangi Industrial Area, P.O. Box 3135 Karachi – 74900 4) Automobile Corp. of Pakistan (Pvt) Ltd., 14, Dockyard Road, West Wharf, Karachi 5) Pakistan Vehicle Engineering (Pvt) Ltd., D-134, S.I.T.E, Manghopir Road, Karachi 6) Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi 7) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 8) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
			iv) Fuel / Water Bowzers	1 Cubic meter To 50 Cubic meter	--	--	TDFC (Pvt) Ltd., East Pharange Drainage, Millat Town, Millat Road, Faisalabad
964	1025	87079090	Stationary Compactor	Special Purpose	--	--	1) Javaid Industrial Company (JIC), Jinnah Interchange G.T. Road, Gujranwala 2) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.
965	1026	87162090	i) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Or as per our client requirement	Design Code: ASME Material: Carbon Steel Internal Lining: Fibercoating /Epoxy	Support stimulation fluids upto 16%	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
			ii) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME Material: S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining	Support acid upto 34%	
			iii) Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--	
			iv) Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	
966	1027	87163190	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
967	1028	87163990	i) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 100 BBL upto 600 BBL Or as per our client requirement	Design Code: ASME Material: Carbon Steel Internal Lining: Fibercoating /Epoxy	Support stimulation fluids upto 16%	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
			ii) Mobile Frac Tank / Skid Mounted Frac Tank	Capacity: 10 Ton upto 50 Ton Or as per our client requirement.	Design Code: ASME Material: S.S 316, SS 316L, SS 304, SS 304L, ASTM A516 Gr. 70. Internal Lining: Rubber Lining	Support acid upto 34%	
			iii) Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--	
			iv) Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	
968	1029	87164010	Dedicated made trailers for special equipment	Capacity: 30 Ton uoto 80 Ton Or as per our client requirement.	Material: Carbon Steel	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
969	1030	87164090	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
970	1031	87168010	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
971	1032	87168090	Cement Bulker / Bulk Cement Transporter	Used for Bulk cement transport. Capacity: 25 Ton upto 80 Ton Or as per our client requirement.	Design Code: ASME Material: Carbon Steel. Test Pressure: 45 psig Working Pressure: 30 psig	--	Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad.
972	1033	88079000	Drop tanks and air dispensers	Drop tanks and air dispensers for aircraft	--	--	Heavy Mechanical Complex (Pvt) Ltd., Taxila
973	1034	89011000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
974	1035	89012000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
975	1036	89013000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
976	1037	89019000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
977	1038	89020000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
978	1039	89032100	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
979	1040	89032200	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
980	1041	89032300	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
981	1042	89033100	Fiber Glass Boats	Ranging from 10 ft to 70 ft long (International Maritime Specs)	As per Standard	As per Standard	1) Business & Engineering Trends, 100-A Wazir Ali Road, Upper Mall, Opposite Lahore Gymkhana Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
982	1043	89033200	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
983	1044	89033300	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
984	1045	89039900	Fiber Glass Boats	Ranging from 10 ft to 70 ft long (International Maritime Specs)	As per Standard	As per Standard	1) Business & Engineering Trends, 100-A Wazir Ali Road, Upper Mall, Opposite Lahore Gymkhana Lahore 2) Fibre Craft Industries, Canal Bank Hanif Park, Harbanspura Lahore - 54850
985	1046	89040000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
986	1047	89051000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
987	1048	89052000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
988	1049	89059000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
			Light-vessels	Range up to 4mm ~ 20 mm plate thickness	--	--	1) Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan
989	1050	89061000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
990	1051	89069000	All types /sizes floating vessels / ships, Submarines, etc.Mine Hunters / Sweepers, Destroyers, Frigates, Corvettes, Missile Crafts, Gun Boats, Patrol vessels, LCMs, MCMVs, all inshore and offshore crafts, Landing craft/Platform Dock, Tankers, Carriers, Boats, Containers, Trawlers, Pushers, Tugs, Dredgers, Ships, Tenders, Barges, Tugs, Cranes, Pontoons, etc.	As per client's requirement	Steel / Aluminum / Composite material	--	Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
991	1052	89079000	i) Tanks, storage, floating	All type of floating storage tanks for oil feilds	Skid mounted storage tanks for fuels, eatable oils and water, round storage tankds with fixed proof for oil/ fuel, Round storage with floating roof for oil/ fuel.	--	1) Metal Engineering Works (Pvt) Ltd., S-4, S.I.T.E., Karachi 2) Ravi Green Engineering (Pvt.) Ltd. 20th km (Pajian) Raiwind Road Lahore, Punjab, 54000 Pakistan

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Storage Tanks/Pressure Vessels	Reservoirs, Tanks, Road Tankers, Deaerator Tanks, Feed Water Tanks, Clarified Tanks, Underground Tanks, Skid Mounted Fuel Tank Capacity: as per our client requirement.	Design Code: API 650 / ASME Material: Carbon Steel Internal Lining: Fibercoating/Epoxy	Support stimulation fluids/acid upto 16%	1) Al-Jassar Engineering Co., 3 KM from Brahama Interchange M1, Jhang Bahtar Road, Near By Multi Orchids Residencia, Islamabad. 2) Karachi Shipyard & Engineering Works Ltd., West Wharf Dockyard P.O. Box 4419, Karachi
New	1053	90019000	Lenses for LED Bulb Led bulb shell cover	1W to 18W			1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi. 3) Electric Lighting Agencies, Plot 10/6, Sector 16, Korangi Industrial Area, Karachi. 4) Alex Electronics (Pvt.) Ltd., 1.4 Km, Katar Bund Road, Khewat No. 81/82, Khatooni No. 84, Lahore. 5) Tabish Impex, Plot No. 17, Sector 16, Korangi Industrial Area, Korangi Town, Karachi
992	1054	90172000	i) Geometry Box ii) Compass iii) Scales iv) Rulers (6 inches,8 inches & 12 inches)	- All Type Mathematical Geometry Box & Metal Compass for Students.	-Polypropylene -SAN RESIN -ABS -Zinc Alloy	--	1) Brother Industries, 190/1, Sector 23, Korangi Industrial Area, Karachi 2)Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore 3) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi
993	1055	90183110	i) Regular Syringes with needles	1-CC, 3-CC, 5-CC, 10-CC, 20-CC, 50-CC, 60-CC	E.O. Sterilized, 3-part, luer or slip lock, gasket, plunger, barrel. Precise calibrate graduation barrel mark scale printing. Needle with color hub.	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi
			ii) Insulin Syringes with needles	1-ml, 1-CC	E.O Sterlized single use 1-ml/CC insulin Unibody syringe with self destructive plunger, precise calibrate graduation barrel mark scale printing.		
994	1056	90183120	Regular Syringes without needles	1-CC, 3-CC, 5-CC, 10-CC, 20-CC, 50-CC, 60-CC	E.O. Sterilized, 3-part, luer or slip lock, gasket, plunger, barrel. Precise calibrate graduation barrel mark scale printing. Needle with color hub.	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi
995	1057	90183940	i) Intravenous Catheters / IV Cannula and parts	14-G, 16-G, 18-G, 20-G, 22-G, 24-G, 26-G	E.O. Gas sterilized Radio Opaque Catheter tube. Stainless Steel needle with sharp grinded tip for easy insertion and painless cannulization. Providing of a vent fitting preventing blood escape and medicine. (3-types, injection port and straigth).	Medical grade raw materials	Silver Surgical Complex (Pvt.) Ltd., Silver House, 11/E, Block-6, P.E.C.H.S., Karachi
			ii) One way stopper/ 3-way stopper	Connector for I.V. Cannula/ catheter	E.O. Sterilized, Blister pack, connector.	Medical grade raw materials	
996	1058	90184900	i) Scalers, dental	High grade	--	--	Acumen Surgical (Pvt) Ltd., Jinnah Town, Capital Road, Sialkot
			ii) Dental Operatory system complete	Dental Unit Dental Chair Dental Light Dental stools Dental Compressor Dental Suction Comprising of unit, dental chair, compressor, suction,	Metals:- Iron sheet, angle Iron, Brass, SS; Casting of aluminum, Bolts, Nuts & Screws, Welding Rods etc Electrical/Electronics: Electric, cables & connection, IC, transistor, resistor, PC board, Limit Switch, rubber material, glass, Cables, Membrane sheet, Panel switches, Foot Switches, Variable Switches Hydraulic/Mechanical: Motor, solenoid valves, Presser Pipes Connector Cylinder, ORings, Gears Pneumatics: Foot controller, Pneumatics, valves, Tubes, Switches, pull back & master valve. Plastic/UPVC/Rubber: Foam upholstery UPVC tubing, silicone sheet packing material Misc: Porcelen /Ceramic bowl, Glass reflector, LED's etc., Stoving paint, plastic Epoxy, Quoting paint, Wooden seats, head rest, packaging.	Fiber glass chrome Nickle Cadmium plating process Hydraulic oil Acid phosphate UPVC rubber	Westech Pvt Ltd., 69-C, Ghaus-ul-Azam Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
997	1059	90268000	i) Online Pressure Monitoring Solution	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.
			ii) Self Operated Regulator (043)	3/4" NPTF Capacity 500 to 600 3/4" NPTF Capacity 4000 to 5000	Denisty 2.65 g/cm3 Freezing 575-565 Elongation 30%	LM-6, Al-86%, Si-12%, Other 2%	Sindh Standard Engineering Works, F-713-A, S.I.T.E, Metrovill, Karachi
			iii) Temperproof Regulator (Small / Large Size)	1/2"x1/2" Low / High Capacity 8" W.C			
998	1060	90281000	i) Gas Metering Skid	Senior/ Junior Orifice	-	-	Descon Engineering Limited, DESCON Manufacturing Business Area, 2 KM Defence road, Off: KM Multan Road, Chung Lahore – 53000
			ii) Gas Meters, Parts thereof	Aluminum Body, Case & Covers of Gas Meter Gas Meter G 1.6 Gas Meter G 4, Gas Memter V3	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
			iii) Gas Meters	Gas Meter (G-1.6) with Non-Return Valve - Cyclic Volume 0.8 liter - Maximum Operating Pressure 0.5 bar - Qmax 2.5m^3/hr - Qmin 0.016m^3/hr - Temp. Range -20 ^oC to +50 ^oC Gas Meter (G-4) with Non-Return Valve - Cyclic Volume 1.2 liter - Maximum Operating Pressure 0.5 bar - Qmax 6m^3/hr - Qmin 0.04m^3/hr - Temp. Range -20 ^oC to +50 ^oC	--	--	Sui Southern Co. Ltd., (Meter Manufacturing Plant), ST-B/B-14, Sir Shah Muhammad Suleman Road, Gulshan-e-Iqbal, Karachi
999	1061	90283000	i) Meters, electricity	Solid State & Pre Paid Energy Meter	--	--	MicroTech Industries (Pvt.) Ltd., Attari Industrial Estate, Plot # 2, Street # 2, 18 KM. Ferozepur Road, Lahore
			ii) Meters, electricity	1) Single Phase AC Energy Meters, 10/40 Amps, 240V, 50 Hz Accuracy Class-2 housed in polycarbonate meter box with magnetic bearing. 2) Single Phase Meters 10 to 60 Amps 3-Phase Meters 10 to 100 Amps CT & PT Operated 3 Pahse Meters 5 Amps 3) 3-Phase, 4-wire, 3-Element, Electromechanical AC Energy Meters, 15(90) Amps, 230/400V, 50 Hz, Accuracy Class 2.0 Housed in polycarbonate Meter box with L.E.D.s with Magnetic Bearings. 4) Static 3-Phase, 4-wire, whole current energy meter with multi rate tariff (Class-1) in polycarbonate cover.	--	--	1) Escorts Pakistan Ltd, Escorts House, 26-Davis Road, Lahore 2) KBK Electronics (Pvt) Ltd., (formerly SB Electronics Engineering & Control (Pvt) Ltd.), 86, Tariq Block, New Garden Town, Lahore
			iii) Meters, electricity	- Single / Three Phase Electronic/ Electromechanical Meter, 220 volts, 400 volts and 50 c/s, MDI Meter (LT/HT), KVARH Meter (LT/HT), Three Phase CT Operated Electronic Meter, Prepaid Meter, Electronic Module for MDI, Meter components i.e., Current Coil Assy, Potential Coil Assy, Rotor Assy, Brake Magnet Assy, Meter Base Assy, Meter Fame, Meter Cover Assy, Meter Security Box, Terminal Block Assy & Brass/Copper Terminals,	--	--	1) Syed Bhais (Pvt) Ltd., 200 Ferozepur Road Lahore 54600 2) Pakistan Elektron Limited (PEL), 14-Kilometer, Ferozepur Road Lahore
			iv) Static Single Phase Energy Meters	For measurement of KWH and MDI (Maximum Demand Indicator) for domestic and commercial users with anti tampering features. (As per WAPDA's design)	--	--	Creative Engineering (Pvt) Ltd., 160/ S, Q.I.E. Kot Lakhpat Lahore
			v) Static Three Phase Whole Current Energy Meters	Three Phase 04 wire TOD (Time of Day) and MDI (Maximum Demand Indicator) multiple tariff meter, anti tampering, date and time recording features. (As per WAPDA's design)	--	--	
			vi) 3 Phase 4 wire LT (TOU) CT Operated Static Energy Meters	Static 3 phase 4 wire multi-rate meters for measurement of active & reactive energy/ load, with memory features to record events and transfer data. (As per WAPDA's design).	--	--	
			vii) 3 Phase 4 wire HT (TOU) CT & PT Operated Static Energy Meters	For measurement of active, reactive energy, Indicating Maximum Demand/ load profile with specific characteristics to store and transfer data. (As per WAPDA's design).	--	--	
			viii) Static 1-Phase Energy Meter	Static 1-Phase, 2-Wire, 240V, 10(40) Amp, 50Hz, Energy Meter with Accuracy Class 0.1	--	--	MicroTech Industries (Pvt.) Ltd., Attari Industrial Estate, Plot # 2, Street # 2, 18 KM. Ferozepur Road, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ix) Static 3-Phase Energy Meter	Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz Whole Current Energy Meter having Accuracy Class 1.0 Active Energy & Accuracy Class 2.0 Reactive	--	--	
			x) LT type CT Operated Energy Meter	LT type TOU CT operated, 3-Phase, 4-Wire, 3-Element, 3x230/400V, 5/10Amp, 50Hz Energy Meter having Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh	--	--	
			xi) RF enabled Static 1-Phase Energy Meter	RF enabled Static 1-Phase, 2-Wire, 240V, 10(40) Amp, 50Hz, Accuracy Class 0.1 Energy Meter with Built-in RF Module	--	--	
			xii) RF enabled Static 3-Phase Energy Meter	RF enabled Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh Whole Current Energy Meter with Built-in RF Module	--	--	
			xiii) AMR enabled Static 1-Phase Energy Meter	AMR enabled Static 1- Phase, 2-Wire, 240V, 50 Hz, 10/40 Amp, Accuracy Class 1.0, Energy Meter DLMS/COSEM complaint, with built-in GSM/GPRS communication module	--	--	
			xiv) AMR enabled Static 3-Phase Energy Meter	AMR enabled 3-Phase Whole Current, 230/400V, 3- Phase, 4-Wire, 50 Hz, 10/100 Amp, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh, Static Energy Meter, DLMS/COSEM complaint with built-in GSM/GPRS communication module	--	--	
			xv) AMR enabled LT type CT operated Energy Meter	AMR enabled LT type CT operated, 3-Phase, 4-Wire, 3-Elements, 3× 230/400 V, 5(10) Amp, 50 Hz, Accuracy Class 1.0 for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--	
			xvi) AMR enabled HT type CT & PT operated Energy Meter	AMR enabled HT type CT & PT operated, 3-Phase, 4-Wire, 3-Elements, 3× 63.5/110V, 5(10) Amp, 50 Hz, Accuracy Class 1.0 for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--	
			xvii) AMR enabled HT LT type Energy Meter Accuracy Class 0.5S	AMR enabled HT LT type CT & PT operated, 3-Phase, 4-Wire, 3-Elements, 3×63.5/110V, 230/400 V, 5(10) Amp, 50 Hz, Accuracy Class 0.5S for kWh & Accuracy Class 2.0 for kvarh Energy Meter with built-in GSM/GPRS communication module	--	--	
			xviii) AMR enabled Static 1-Phase Prepaid Energy Meter	AMR enabled Static 1- Phase, 2-Wire, 240V, 50 Hz, 10/40 Amp, Accuracy Class 1.0, Energy Meter DLMS/COSEM complaint, with built-in GSM/GPRS communication module with connect / disconnect relay	--	--	
			xix) AMR enabled Static 3-Phase Prepaid Energy Meter	AMR enabled 3-Phase Whole Current, 230/400V, 3- Phase, 4-Wire, 50 Hz, 10/100 Amp, Accuracy Class 1.0 kWh & Accuracy Class 2.0 kvarh, Static Energy Meter, DLMS/COSEM complaint with built-in GSM/GPRS communication module with connect / disconnect relay	--	--	
			xx) Static 3-Phase Bi-Directional Energy Meter	Static 3-Phase, 4-Wire, 3-Element, 3x230/400 V, 10(100)Amp, 50Hz Whole Current Bi-Directional for Net / Green Metering Energy Meter having Accuracy Class 1.0 Active Energy & Accuracy Class 2.0 Reactive	--	--	
1000	1062	90289090	i) Online Temperature/ Energy Monitoring Solution GSM Based	--	--	--	Digitec Systems, Plot No. 178, Sector-24, Korangi Industrial Area, Karachi.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
New			ii) A. Body Parts of G-4 Gas Meters: (i. Top Case and Bottom Case, ii. Index Pivot, iii. Index Shaft, iv. Shuftting Box Shaft, v. Flaf Shaft Aluminum, vi. Crank Shaft) B. Body Parts of G-1.6 Gas Meters: (i. Front Cover, Top Cover, Rear Cover and Body, ii. Index Shaft, iii. Index Pivot Small & Large, iv. Flag Rod Shaft, v. Flag Assembly vi. Valve Grid, vii. Valves, viii. Non Return Valve)				1. Mumtaz Engineering, Plot No. 637/II & III, Block No. 22, F.B. Industrial Area, Karachi. 2. M. Umer & Sons, Plot No. 977, Street No. 20, Mirza Adam Khan Road, Bihar Colony, Karachi.
1001	1063	90304000	Smart GPRS Terminal (SmartGT)	Power input: 12 to 28Vdc @ 200mA, Digital Input : 6 x Dry Control Alarms, Analog Inputs: Temperature Sensor up to 2.5 Vdc, Fuel Sensor (4-2.5 mA) . 3rd Party Communication Port : RS232, Communication with slave devices (RTUs) : RS485 port / MODBUS. Smart GT is a RS485 gateway terminal for data collection of remote equipment. It is capable of communicating site hardware and transferring processed data in user-defined customized protocol to central RMS server.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 85x62x93 mm; Weight : 410 g	--	SalTec Smart Power (Pvt.) Ltd., ~~Powerlink~~, 1-A/2, Sector 15, Korangi Industrial Area, Karachi
1002	1064	90308900	DC Power Controller (DPC)	Operating Voltage: 12-60 Vdc, Power Consumption : < 5watts, No. of Dry Contacts / Alarms : x6,DC Current Measurement : Up to 4 Tenants with 1 default CT (± 200A). Remote Monitoring : via RS485 interface DPC is an all-in-one DC management solution for BTS Battery Health Monitoring System, DC Tenant power to energy monitoring, Site Alarms Monitoring, Genset / Battery Cycling Control for hybrid action, Temperature Sensor for Batteries.	Enclosure: Extruded Aluminium, Powder coated Mounting Style: Din Rail. Dimensions: 125x165x70 mm Weight : 610 g	--	SalTec Smart Power (Pvt.) Ltd., ~~Powerlink~~, 1-A/2, Sector 15, Korangi Industrial Area, Karachi
			Power Measurement Module (PMM)	Input Voltage: 12-30Vdc Input Current: ~150mA 3 Phase AC Current (CT Dependent 100/40A) - upto 100A, 3 Phase AC Voltage (VAC) - upto 300V 3 Phase Apparent Power: upto 24kVA 3 Phase Real Power: upto 24KW Frequency: 50 Hz ± 10% PMM is a low cost AC power meter, advance then conventional power measurement devices, which not only measures mains power, but also the quality of power.	Enclosure: ABS Plastic. Mounting Style: Panel Mount Dimensions:125x165x70 mm. Weight: 500g	--	
			Generator Manager (GEM)	Wide Operating Voltage : 20 - 60V. Adaptibility : +24V or 48V Telecom DC Systems or a Combination. Battery Voltage Monitoring : Upto 3 Batteries (0-100Vdc). Remote Monitoring : Optional via RS 485 interface GEM is a smart generator manager for single/dual Genset controller with multi -functions i.e. A) Genset/ battery hybrid control fuel saving device based on battery voltage and/or shelter temperature. B) Dual Genset Duty Cycle Controller. C) Data Management with smart alert capability via Remort Monitoring.	Enclosure: Extruded Aluminium,Powder coated Mounting Style: Din Rail. Dimensions: 120x62x93 mm; Weight : 640g	--	
			Auto Mains Fail (AMF)	Operating Voltage: 8-16Vdc, Operating Current (Max): 390mA at 12Vdc. Single and Three Phase Sensing Voltage (Vac): 30 to 100Hz. Generator Battery Sensing Voltage (Vdc): 9-15 Vdc. Remort Monitoring with alarm: RS485 Port. AMF is a highly efficient module designed for Generator (Genset) power management automatically. It monitors the mains voltages and controls the automatic start, stop and load transfer.	Enclosure: ABS Plastic. Mounting Style: Panel Mount Dimensions: 125x165x70 mm. Weight: 500g	--	

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			Grid Export Controller (GEC)	Operating Voltage Range: 9-60Vdc Power Consumption: <5 watts Connectivity : WIFI Communication Port: RS232 & RS485 Protocol: MODBUS RTU / ASCII GEC is a smart solar export limiter to control / limit the solar energy export towards grid. It also works as an Smart Meter which provides export and import energy metering to/from grid.	Enclosure: ABS Plastic. Mounting Style: Din Rail / Panel Mount Dimensions: 90x115x40 mm. Weight: 150g	--	
1003	1065	90321090	i. Gas Controller Thermostat	Temperature Range 30 degree C - 70 Degree C, Differential < 5 degree C, Current 16 Amps Max, Material Brass. Sensor Length 7", 11", 18". Temperature Selection 40 degree C to 80 degree C, Inlet and Pilot Filters, Thermoelectric flame failure safety device. Brass body, inlet 1/2" NPT, Outlet 3/4" 18 TPi, Max inlet Gas Pressure 5" of water column.	--	--	Tesla Industries Pvt. Ltd., Plot No. 81-F, St. 6, I-10/3, Islamabad
New			ii. X-GEN Smart Geyser	Gas, Electric, Solar , Wifi Solar ready Auto Ignition Hybird with remote, Gas saving 60%	--	--	
1004	1066	90328990	i) Stabilizers, voltage	Smart Line Conditioners 1 phase: 2 to 10KVA (with or without Isolation Transformer) 3 phase: upto 30KVA (non-isolated transformer)	Specially designed for Pakistani power conditions, and most suitable for IT & Telecom industry.	--	SalTec Smart Power (Pvt.) Ltd., 1-A/2, Sector 15, Korangi Industrial Area, Karachi
			ii) Solar Charger Controller /Current Controller	Sun Smart 12 Volt 10 Amp to 72 Volt 50 Amp	--	--	Systek (Private) Limited,92A-1, Block 6, PECHS, Karachi
1005	1067	91070000	i) Wash Timer (15 minutes to 18 minutes) ii) Spin Timer (3 minutes to 8 minutes)		--	--	Khawaja Adhesive Tapes (Pvt) Ltd., 4-H, Gulberg-III, Lahore
1006	1068	93011000	Mortars, military	Heavy Mortar 120 mm, Light Mortar 81 mm, Mortar 60 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
1007	1069	93012000	i) Launchers, rocket	Under Barrel Grenade Launcher GL-40 Rocket Propelled Grenade Launcher RPG-7	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
			ii) Tear Gas Gun	37/38mm Tear Gas Gun (Shell Grenade Launcher)	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
			iii) Grenade Launcher	40mm Shot Range Grenade Launcher (SRGL) / 40mm Hand Held Grenade Launcher (HHGL)	--	--	
1008	1070	93019029	Rifles, military	Recoilless Rifle 106 mm	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
1009	1071	93032011	Gauge Pump Action Shotgun	12 Gauge Pump Action Shotgun "Shooter"	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
1010	1072	93032019	i) Shotgun (12 Gauge Single Barrel Shotgun) ii) Rifle' 22 Single Pistol (Pistol Pyrotechnic (Single Pistol)		--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
1011	1073	93032020	Double Barrel Shotgun	12 Gauge Double Barrel Shotgun	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
1012	1074	93039000	Pistol 9mm Model Trushot	--	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
1013	1075	93059111	Padistal Mount for Gun MG1A3	Firing Mechanism	--	--	Pakistan Machine Tool Factory (Pvt) Limited, PMTF Road, Off National Highway, Landhi, Karachi-75030
1014	1076	93062900	Mortar Training Bomb	60mm, 81mm, 120mm Mortar Training Bomb	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar
1015	1077	93069000	i) Bombs (munition) ii) MK-81 Bomb Casing iii) Penetrating Guidance Bomb Casings Small dia Air Launched Bomb Casing	MK82,MK83,MK84 Low Drag General Purpose.	--	--	Daudsons Armoury (Pvt) Ltd., Industrial Estate Kohat Road , Peshawar

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
1016	1078	94029020	Hospital beds with mechanical fittings	Patient Motorized / Electrical Beds for ICU and CCU etc.	--	--	1) G. Med Equipment, 11A Hurbance Pura Road, Near Railway Crossing P. O. Tajpura Lahore Cantt., 2) Strongman Medifur Systems (Pvt) Ltd., Plot No. 166 Street No. 9, I-10/3 Industrial Area, Islamabad.
1017	1079	94031000	Metal Shelvings	Mobile Shelving and General Office Shelving etc.etc.	--	--	Gujrat Steel (Pvt) Ltd., 183 A.M,Shahrah-e-Iraq, Saddar, Karachi
1018	1080	94037000	Plastic Furniture	Children's outdoor play areas, different varieties to chose from and made to order	--	--	Green Earth Recycling Pakistan, 208/A Street # 5, Cavalry Grounds, Cantt. Lahore
1019	1081	94051190	Light-emitting diode (LED) Energy saving lights:	All types of Light fittings with fixed/fitted LED or SMD or COB (All sizes); (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
1020	1082	94051990	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore. 5) Orion Lighting (Pvt.) Ltd., Khasra No. 1076, Pir Madrasa Khan Pur, Multan Road, Lahore
1021	1083	94052100	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 5) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
1022	1084	94053100	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED Bulbs and Lamps (all types); LED Panel Lights (All sizes); LED 4 Channel, Linear and Tube Lights (all sizes); LED Down Lights; LED Street Lights; Flood and Spot Lights; Sports Stadium Lights; Canopy Lights, LED Strip and Rope Lights; LED Track Lights, LED X-Ray Illuminators (1U, 2U, 3U, 4U) etc. [AC / DC] (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
1023	1085	94054100	Light-emitting diode (LED) Energy saving lamps:	All types of Light fittings with fixed/fitted LED or SMD or COB (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi 6) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
1024	1086	94054200	Light Emitting Diodes (LED) Energy saving Lighting Products (SMD,COB)	All types of LED TRI Proof Light (all sizes); LED High Bay Light (all sizes); LED Projection Ligth (all sizes); LED High Mast Light (all sizes); LED Outdoor Light (all sizes); All in one LED/SMD solar street Lights (all sizes); back up LED lights (sizes); LED Canopy Light (sizes); LED Flood Light (All sizes); LED Street Light (All sizes); LED Sports Stadium Light (all sizes); LED X-RAY Illuminators Light (all sizes) (As per IEC standards)	--	--	1) National Institute of Electronics, Ministry of Science & Technology, H. No. 17, H-9, P.O. Box 1406, Islamabad 2) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 3) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 4) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 5) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 6) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area., Karachi 7) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
1025	1087	94055010	Tubular Day Lighting Device	All types (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
1026	1088	94056100	Light-emitting diode (LED) Energy saving illuminated signs	All types of LED Exit and Emergency LED/SMD Lit - Illuminated signs, illuminated name- plates and the like (All sizes) (As per IEC standards)	--	--	1) Creative Electronics & Automation, Plot No. 142, Industrial Triangle, Kahuta Road, Islamabad 2) Micro Pak (Pvt) Ltd., Plot No. 218, St. No. 7, I-9/2, Islamabad 3) Comcept Private Limited, Plot # 291, Street # 03, I-9/3, Islamabad 4) Khyber Electric Lamps, 483 Tariq Road Peshawar Cant 5) Wasif Impex, 1st & 2nd Floor, Plot No. Dp-10, Sector 12-D, North Karachi Industrial Area, Karachi 6) Fast Cables Limited. 192-Y Block, Commercial Area, Phase III, DHA, Lahore.
New	1089	94059900	i) Housing, shell cover for LED Downlights	LED & SMD DownLights (1-18W)	-	PC + PBT	1) Paklite Electrical Industries (Pvt) Limited, Sheikhupura Road, Gujranwala 2) Sunflower Technology (Pvt.) Ltd., Plot No. 385, Sundar Industrial Estate, Lahore.
New			ii) Housing, shell cover for LED Batten Lights	LED Tube Lights (1-18W)	-	PC	
New			iii) Driver on Board (DOB) for LED Lights and Bulb	1W to 18W			Elite Screener, Plot No. C-21 & C-22 Block No. 9 AEECHS, Gulistan-e-Johar, Karachi
New			iv) Stuff Metal Clad Printed Circuit Board (MCPCB) for LED Lights, Bulbs and Lamps	--	--	--	1) Wasif Implex (Osaka), 1st & 2nd floor, plot No. DP-10, sector No. 12-D, North Karachi Industrial Area, Karachi 2) Elite Screener, Plot No. C-21 & C-22 Block No.9 AEECHS, Gulistan-e-Johar Karachi 3) DS Technologies, ST-2/7, Sector 16, Korangi Industrial Area, Karachi
1027	1090	94061010	Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan
1028	1091	94061020	Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan
1029	1092	94061030	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan
			ii) Silos	--	As per Customer Specification	As per Customer Specification	Spleen Manufacturing (Pvt) Ltd., 20-KM Ferozepur Road, Off 3/4 KM Asif Town # 2, Lahore

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
1030	1093	94061040	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan
			ii) Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
1031	1094	94061090	i) Pre-fabricated Buildings	Built up with H.R. Sheets, G.I. Sheets, Zincalume Sheet, High Tensile Nuts & bolts and Fiber glass Mat Insulation. Beams & Columns = Yield Strength 34.5 kN/cm^3 Galvanized Steel = Yield Strength 34.0 kN/cm^3 Zincalume Steel = Yield Strength 34.5 kN/cm^3 High Strength Bolts = Tensile Strength 83.0 kN/cm^3	Beams & Columns = ASTM A 572 M Gr 345 type 1 Galvanized Steel = ASTM A 653 M SS GR 340 Class 1 Zincalume Steel = ASTM A 792 M Grade 345 B High Strength Bolts = ASTM A 325 M	--	1) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore 2) Pakistan Insulations (Pvt.) Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 3) Banu Mukhtar Steel (Pvt) Ltd., 5-A, Ali Block, Main Blvd. New Garden Town, Lahore 4) Rhino Pre-Engineering Building Private Limited, 18 KM-Feroz Pur Road Sufi Abad Industrial Estate, Lahore 5) The Building Techniques (Pvt) Ltd., Plot # G-29-30, Sector-G. H.I.T.E, Hub Lasbela, Balochistan Pakistan
			ii) Insulated Panels	Polyurethane Panels (PU), Polyisocyanurate Panels (PIR), Rock Wool Panels	25mm to 300mm, upto 16mtr length	--	1) Pakistan Insulations Pvt. Ltd., 107 Business Avenue, PECHS BLock-6, Karachi 2) Foster Refrigerators (Pvt) Ltd., 7-Main Industrial Area, Kot Lakhpat, Lahore 3) Izhar Engineering (Pvt.) Ltd., Izhar House, 35-Tipu Block, New Garden Town, Lahore
1032	1095	94069040	i) Clean room panels & prefabricated buildings for cold storage	Both side PPGI/ SS sheet with different kind of insulated material in middle.	Fire Class =A2 Heat transfer Coefficient = 0.82 W/m2K Adhesive property bond strength = 0.07MPa Flexibility = 1.3 KN/M2	PE (Poly Ethylene Coating)	PAK GUSU Technology (Pvt) Ltd. 8-km Sundar Raiwind Road Lahore
			ii) Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
1033	1096	94069050	i) Clean room panels & prefabricated buildings for cold storage ii) Clean Room Doors iii) Single / Double Glass Clean Window	- Both side PPGI/ SS sheet with different kind of insulated material in middle. - Powder Coated / Epoxy or SS type flushed door with looking glass and Auto Door shutter at bottom. 5 mm tempered glass suitable for Flush fixing with Panels	Fire Class =A2 Heat transfer Coefficient = 0.82 W/m2K Adhesive property bond strength = 0.07MPa Flexibility = 1.3 KN/M2 Flushed door with no edge for dust stay.	PE (Poly Ethylene Coating) PE/ Epoxy coated or SS	PAK GUSU Technology (Pvt) Ltd. 8-km Sundar Raiwind Road Lahore
1034	1097	94069090	Insulated P-U Panels for cold storage	25mm to 150 mm Fire retardant	Low Heat Transfer	Isocyanate Polyol & 141B	Koldkraft Refrigeration (Pvt) Ltd., 243-S, Quaid-e-Azam, Industrial Estate, Kot Lakhpat, Lahore.
New	1098	95070000	Fish landing nets, butterfly nets and similar nets	Made of pure HDPE virgin, UV stabilized	Net rolls	polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
New	1099	95079000	Fish landing nets, butterfly nets and similar nets	Made of pure HDPE virgin, UV stabilized	Net rolls	polymer based	Pak Agro Packaging Ltd., Plot 23, Phase IV, Hattar Industrial Estate Haripur, KPK
New	1100	9607.1100	Zipper fitted with chain scope with stoppers	--	--	--	Monika Enterprises, 2110/93, Nawaz Chowk, Mian Bagerian Road, Green Town Lahore
1037	1101	96081000	i) Ball Point Pens	All Types	--	--	1) Shahsons (Pvt) Ltd., D-88, S.I.T.E., Manghopir Road, Karachi. 2) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700 3) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi
			ii) Fine Liner	--	--	--	Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore
New			iii) Gel Pens	--	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700
New			iv) Roller Ball Pens	--	--	--	
1038	1102	96082000	i) Pens, felt-tipped	Writing, colouring and marking pens, all types (felt tipped with and without metal / plastic jackets).	--	--	Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700

Existing S. No.	S.No.	PCT Code	Product Description	Specifications	Physical Properties	Chemical Properties	Company
			ii) Markers, felt-tipped	Markers all types (Permanent, Highlighters, White Boards, Refillable / Sealed)	--	--	
			iii) Markers	With porous tipped pens	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi
			iv) Fine Liner Pens	Tip with metal jacket	--	--	
			v) White Board/ Permanent Markers & Highlighters	--	--	--	Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore
			vi) Fiber Tip Pen with both side Tips (Ink Remover)	Writing & Erasing pen with both side tips	- Polypropylene/ HDPE/ Syntehtic Fibre Reservoir /Fibre Tips	- Water Base Ink - Dyes	1) Oro Industries, 86-87, Sector 23, Korangi Industrial, Karachi 2) Dollar Industries (Pvt.) Ltd., D-85, SITE, Karachi-75700
			vii) Fine Liner Pen / Sign Pen	Writing & Marking Pen with fibre tip with metal adaptor	- Polypropylene/ HDPE / ABS/PC / Syntehtic Reservoir Fibre / Fibre Tips	- Water Base Ink - Dyes	
			viii) Marker	Permanent & White Board Marker with Acrylic & Polyster Nibs	- Polypropylene / HDPE/ Syntehtic Fibre Reservoir / Acrylic Nibs / Polyester Nibs	- Alcohol Base Ink - Water Base Ink	
1039	1103	96083000	Pen, fountain	Fountain pens, all types	--	--	1) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700 2) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 3) Toray Plast, Al Jannat Road, Saggian Ravi By Pass, Nain Sukh, Lahore
1040	1104	96091000	Pencils	All Types	--	--	1) Shahsons (Pvt) Ltd., D-88, S.I.T.E., Manghopir Road, Karachi. 2) Indus Pencil Industries, B-54, Manghopir Road SITE Karachi 3) Dollar Industries (Pvt) Ltd., D-85, SITE, Karachi – 75700
1041	1105	96099000	Wax Crayons	For childern	--	--	Indus Pencil Industries, B-54, Manghopir Road SITE Karachi
1043	1106	99310000	Ambulance Lifter	Ambulance Lifter Upto 22ft working height from ground suitable for aircraft upto Boeing 777	Truck Mounted Trailer Mounted	--	1) Bilal Engineering Company, G.T Road Opp. Rescue 1122 Office, Pindi Bypass, Gujranwala 2) Javaid Iqbal Industrial (JIC), Jinnah Interchange G.T. Road, Gujranwala 3) Shaheen Tank Trailers Manufacturing Company (Pvt) Ltd., Plot #306,Wali Town Near Port Qasim Mor, National Highway Karachi.

Note:

1). The Annexures (I & II) mentioned againt respective entries of M/s Peoples Steel Mills Ltd. form the integral Part of the CGO.

2). The above listed machinery/ equipment/ materials, etc. include their substitutes, the concessionary import of which would also not be allowed.

3). Import of Proprietary spares whose parent equipment is not manufactured locally shall be cleared as per terms of SRO 678(I)/2004 subject to the following:

i) Proof of concessionary import (Bill of entry or any other appropriate commercial document) of the parent equipment not manufactured locally.

ii) Undertaking by the importer that the imported items are proprietary spares of the equipment mentioned at (i) above and are certified as such either by the manufacturer (OEM) of integral sub-equipment of the parent equipment, as the case may be.

4). The HS/ PCT Code used in column 2 above are purely for reference purpose.

Steel Grades manufactured at PSM

Annexure-I

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
1	**070M20**	Lower	0.16	0.10	0.50	0.03										
		Upper	0.24	0.40	0.90			0.3	0.15	0.4						
2	**080M40**	Lower	0.36	0.10	0.60											
		Upper	0.44	0.40	1.00	0.05	0.05	0.3	0.15	0.4						
3	**1.1545**	Lower	1.00	0.10	0.10											
		Upper	1.10	0.25	0.25	0.02	0.02									
4	**1008**	Lower		0.50	0.25											
		Upper	0.10	0.30	0.60	0.04	0.04									
5	**1009**	Lower		0.15	0.08											
		Upper	0.15	0.35	0.60	0.03	####									
6	**1010**	Lower	0.08	0.15	0.30											
		Upper	0.13	0.35	0.60	0.04	0.05									
7	**1015**	Lower	0.12	0.15	0.30	0.04	####									
		Upper	0.18	0.35	0.60											
8	**1020**	Lower	0.18	0.15	0.30											
		Upper	0.23	0.35	0.60	0.04	0.05									
9	**1024**	Lower	0.18	0.15	1.30	0.04	0.05									
		Upper	0.25	0.35	1.65											
10	**1025**	Lower	0.22	0.10	0.30	0.03	0.05									
		Upper	0.28		0.60											
11	**1030**	Lower	0.28	0.15	0.60	0.03	0.05									
		Upper	0.34	0.35	0.90											
12	**1032**	Lower	0.30	0.10	0.50	0.03	0.03									
		Upper	0.35	0.35	0.70											
13	**1035**	Lower	0.31	0.15	0.60											
		Upper	0.38	0.35	0.90	0.03	0.04									
14	**1040**	Lower	0.37	0.15	0.60											
		Upper	0.44	0.35	0.90	0.04	0.05									
15	**1045**	Lower	0.43	0.15	0.60											
		Upper	0.50	0.35	0.90	0.04	0.05									
16	**1046**	Lower	0.40	0.40	0.75	0.04	0.05									
		Upper	0.50		1.20											
17	**1048**	Lower	0.43		1.05											
		Upper	0.52	0.20	1.40	0.04	0.05									
18	**1050**	Lower	0.48	0.15	0.60	0.03	0.05									
		Upper	0.55	0.35	0.90											
19	**1065**	Lower	0.60	0.15	0.60	0.04	0.05									
		Upper	0.70	0.35	0.90											
20	**1080 (Steel-80)**	Lower	0.77	0.17	0.50											
		Upper	0.85	0.37	0.80	0.035	0.04	0.25		0.25	0.2					
21	**1141**	Lower	0.37	0.15	1.35	0.04	0.08									
		Upper	0.45	0.30	1.65		0.13									
22	**11SMn37**	Lower														
		Upper														
23	**1513**	Lower	0.10		1.10											
		Upper	0.16	0.25	1.40	0.04	0.05									
24	**1545**	Lower	0.43		0.80	0.04	0.05									
		Upper	0.50		1.10											
25	**1546**	Lower	0.44	0.15	1.00	0.04	0.05									

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.52	0.35	1.30											
26	**220-M-07**	Lower			0.90		0.20									
		Upper	0.15	0.40	1.30	0.07	0.30									
27	**230-M-O7**	Lower	0.15	0.05	0.90	0.09	0.25									
		Upper			1.30		0.35									
28	**30-111-SGB-710-65**	Lower	0.27	0.17	0.50	0.04	0.04	0.25		0.23						
		Upper	0.35	0.37	0.80											
29	**325 Type-1**	Lower	0.30	0.15												
		Upper	0.52	0.35	0.60	0.04	0.05									
30	**35-GB-699-65**	Lower	0.32	0.17	0.50	0.04	0.25			0.25						
		Upper	0.40	0.37	0.80											
31	**35-S-20**	Lower	0.32	0.10	0.70		0.18									
		Upper	0.39	0.30	1.10	0.06	0.25									
32	**35-YB-194-63**	Lower	0.32													
		Upper	0.39	0.20	0.60	0.035	0.04									
33	**50-BYB-481-80**	Lower	0.47	0.17	0.60	0.04	0.03									0.05
		Upper	0.55	0.37	0.90											
34	**50Mn**	Lower	0.48	0.17	0.70											
		Upper	0.56	0.37	1.00	0.035	0.04	0.25		0.25	0.25					
35	**515(Grade-60)**	Lower		0.15												
		Upper	0.29	0.40	0.90	0.035	0.04									
36	**6-31-YB-195-63**	Lower	0.07													
		Upper	0.13	0.03	0.50	0.035	0.04									
37	**9SMn**	Lower			0.90		0.24									
		Upper	0.14	0.05	1.30	0.1	0.32									
38	**A-108 (G-11170)**	Lower														
		Upper														
39	**A-108 (G-12120)**	Lower														
		Upper														
40	**A-283 Grade C**	Lower														
		Upper	0.24	0.40	0.90	0.035	0.04									
41	**A285 Grade C**	Lower														
		Upper	0.28		0.04	0.035	0.04									
42	**A36**	Lower			0.80											
		Upper	0.25	0.40	1.20	0.04	0.05				0.2					
43	**A-516 (Grade 60)**	Lower		0.15	0.85											
		Upper	0.23	0.40	1.20	0.035	0.04									
44	**AGS-1055**	Lower	0.52	0.15	0.60	0.03	0.04	0.3								
		Upper	0.60	0.35	0.90			0.5								
45	**AGS-KK-01**	Lower	0.41	0.20	1.50		0.09	0.2	0.04	0.1	0.1					
		Upper	0.45	0.35	1.65	0.04	0.13	0.3		0.2	0.2					
46	**B2-GB-912-66**	Lower	0.09	0.12	0.25	0.05	0.06									
		Upper	0.15	0.30	0.50											
47	**B3-GB-912-66**	Lower	0.14	0.12	0.40	0.05	0.06									
		Upper	0.22	0.30	0.65											
48	**BS-2858**	Lower	0.10	0.03	0.49	0.04	0.03									
		Upper														
49	**BW2**	Lower	0.95	0.30	0.35	0.03	0.03	0.15	0.1	0.2	0.2		0.15			
		Upper	1.10										0.35			
50	**C45K**	Lower	0.42		0.50											

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.50	0.40	0.80	0.045	0.05	0.4	0.1	0.4						
51	**CFS-6**	Lower	0.30	0.35	0.50	0.05	0.05									
		Upper	0.40		0.90											
52	**EN43B**	Lower	0.45	0.10	0.70	0.05	0.05									
		Upper	0.50	0.40	0.90											
53	**EN8**	Lower	0.36	0.10	0.60	0.01	0.03									
		Upper	0.44	0.40	1.00											
54	**Ex-Low Carbon**	Lower														
		Upper														
55	**G-43A** (BS 4360-1986)	Lower														
		Upper	0.25	0.50	1.60	0.05	0.05									
56	**HAFFAZ 1010**	Lower														
		Upper														
57	**Haffaz-1020**	Lower	0.17	0.10	0.40											
		Upper	0.24	0.25	0.65	0.025	0.03									
58	**HMC-1030**	Lower	0.28	0.05	0.50							0.03				
		Upper	0.37	0.17	0.80	0.04	0.05									
59	**HR355**	Lower														
		Upper	0.22	0.55	1.60	0.05	0.05									
60	**HSAPH55**	Lower	0.15	0.30	1.30	0.04	0.04									
		Upper	0.18	0.40	1.50											
61	**NEAGA - Steel**	Lower	0.40	0.10	0.60		0.20									
		Upper	0.50	0.35	0.90	0.06	0.25									
62	**QST-52-3-Cu 3**	Lower	0.20	0.55	1.60	0.04	0.04				0.25					
		Upper									0.35					
63	**RSt-37-2 Cu3**	Lower	0.17	0.30	1.40	0.05	0.05				0.25					
		Upper									0.4					
64	**S15A**	Lower	0.12	0.10	0.25	0.03	0.04			0.2	0.2	0.03				
		Upper	0.18		0.50							0.08				
65	**S20A**	Lower	0.16		0.25											
		Upper	0.22	0.10	0.50	0.03	0.04									
66	**S43C**	Lower	0.40	0.15	0.60											
		Upper	0.46	0.35	0.90	0.03	0.04	0.2		0.2	0.2					
67	**S-45C**	Lower	0.42	0.15	0.60	0.03	0.04	0.2		0.2	0.3					
		Upper	0.48	0.35	0.90											
68	**S50C**	Lower	0.47	0.15	0.60	0.03	0.04	0.2		0.2	0.3					
		Upper	0.53	0.35	0.90											
69	**SAMZA GRADE 1**	Lower	1.20	0.15	0.25	0.04	0.04									
		Upper	1.40	0.35	0.50											
70	**SSA-21**	Lower	0.45	0.10	0.70											
		Upper	0.55	0.35	1.10	0.05	0.05	0.3	0.15	0.5	0.3					
71	**ST10**	Lower	0.07	0.17	0.17							0.015				
		Upper	0.14	0.37	0.37	0.035	0.04	0.15		0.3	0.2	0.035				
72	**St12Cu3**	Lower	0.10	0.10	0.20	0.05	0.05				0.25					
		Upper			0.45						0.35					
73	**ST20**	Lower	0.17	0.17	0.35	0.04	0.04	0.25		0.25						
		Upper	0.24	0.37	0.65											
74	**St4**	Lower										0.02				
		Upper	0.10	0.05	0.50	0.03	0.03	0.15	0.1	0.2	0.2	0.1				
75	**SWRY-11**	Lower			0.35											

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.09	0.03	0.65	0.02	0.02				0.2					
76	**T-1 PRS**	Lower	0.03	0.15	0.80	0.06	0.06									
		Upper	0.42													
77	**T12A**	Lower	1.15	0.15	0.15			0.2								
		Upper	1.24	0.30	0.30	0.03	0.02			0.15	0.25					
78	**Tech Lok C-3**	Lower	0.14	0.12	0.40											
		Upper	0.22	0.30	0.65	0.045	0.06									
79	**V930**	Lower	0.27	0.15	1.20											
		Upper	0.34	0.40	1.50	0.035	0.04	0.3								
80	**1.2060**	Lower	1.00	0.20				1.2								
		Upper	1.10	0.40	0.20	0.03	0.03	1.5								
81	**1.2714**	Lower	0.50	0.10	0.65	0.03	0.03	1	0.45	1.5			0.07			
		Upper	0.60	0.40	0.95			1.2	0.55	1.8			0.12			
82	**1.2767**	Lower	0.40	0.10	0.15	0.03	0.03	1.2	0.15	3.8						
		Upper	0.50	0.40	0.45			1.5	0.35	4.3						
83	**1.2842**	Lower	0.85	0.10	1.90	0.03	0.03	0.2					0.05			
		Upper	0.95	0.40	2.10			0.5					0.15			
84	**1.8159**	Lower	0.47	0.40	0.70	0.04	0.04	0.9					0.1			
		Upper	0.55		1.10			1.2					0.25			
85	**12Cr2NiMoV2**	Lower	0.09	0.17	0.30			1.9	0.3	0.8			0.18			
		Upper	0.16	0.37	0.70	0.025	0.03	2.4	0.45	1.2			0.28			
86	**13CrMo44 with Cr**	Lower	0.08	0.35	0.40	0.03	0.03	0.7	0.4		0.3					
		Upper	0.18		1.00			1.15	0.6							
87	**13CrMo44 with out Cr**	Lower	0.08	0.35	0.40	0.03	0.03		0.4		0.3					
		Upper	0.18		1.00				0.6							
88	**14NiCr14**	Lower	0.10		0.40			0.6		3						
		Upper	0.18	0.40	0.70	0.035	0.04	0.9		3.5						
89	**15CDV6**	Lower	0.12	0.20	0.80	0.02	0.02	1.25					0.2			
		Upper	0.18		1.20			1.5					0.3			
90	**16MnCr5**	Lower	0.14		1.00			0.8								
		Upper	0.19	0.40	1.30	0.035	0.04	1.1								
91	**19CN5**	Lower	0.16		0.70			0.8		0.8						
		Upper	0.21	0.35	1.10	0.035	0.04	1.2	0.1	1.2						
92	**20CrNi4VA**	Lower	0.17	0.17	0.25			0.7		3.75			0.15			
		Upper	0.24	0.37	0.55	0.035	0.04	1.1		4.25	0.2		0.3			
93	**20MnCr5**	Lower	0.17	0.15	1.10			1								
		Upper	0.22	0.40	1.40	0.035	0.04	1.3								
94	**25 CrSiNiWV2**	Lower	0.22	0.17	0.30			0.7		0.8			0.18	0.5		
		Upper	0.27	0.37	0.70	0.035	0.04	1.1		1.2			0.28	1		
95	**28Cr3NiSiMoWVA**	Lower	0.28													
		Upper														
96	**30CrMnSiA**	Lower	0.28	0.90	0.80	0.03	0.03	0.8		0.3	0.25					
		Upper	0.34	1.20	1.10			1.1								
97	**30CrMnSiNi2**	Lower	0.26	0.90	1.00			0.9		1.4						
		Upper	0.33	1.20	1.30			1.2		1.8						
98	**30CrMoV9**	Lower	0.26		0.40			2.3	0.15				0.1			
		Upper	0.34	0.40	0.70	0.035	0.03	2.7	0.25				0.2			
99	**30-CrNi-3-AYB-481-80**	Lower	0.27	0.17	0.30	0.04	0.03	0.6		2.75						
		Upper	0.35	0.37	0.60			0.9		3.25						
100	**30CrNiMo8**	Lower	0.26		0.30			1.8	0.3	1.8						

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.34	0.40	0.60	0.035	0.03	2.2	0.5	2.2						
101	30-SiMnMoVAYB-481-80	Lower	0.27	0.40	1.60	0.04	0.03		0.4				0.15			
		Upper	0.33	0.60	1.85				0.6				0.25			
102	**3120**	Lower	0.17	0.20	0.40			0.55		1.1						
		Upper	0.22	0.35	0.80	0.04	0.04	0.75		1.4						
103	**32CrMoV1210**	Lower	0.29	0.50	0.70	0.03	0.03	2.8					0.25			
		Upper	0.36					3.2					0.35			
104	**35CM4**	Lower	0.33		0.80			0.9								
		Upper	0.39	0.40	1.10	0.035	0.03	1.2								
105	**35Cr**	Lower	0.32	0.17	0.50			0.8								
		Upper	0.39	0.37	0.80	0.035	0.04	1.1		0.3	0.3					
106	**35CrMnSiA**	Lower	0.32	1.10	0.80			1.1								
		Upper	0.39	1.40	1.10	0.025	0.03	1.4		0.3	0.25					
107	**38CrSi**	Lower	0.35	1.00	0.30			1.3								
		Upper	0.43	1.30	0.60	0.035	0.04	1.6		0.3	0.3					
108	**40CrNi**	Lower	0.37	0.17	0.50			0.45		1						
		Upper	0.44	0.37	0.80	0.035	0.04	0.75		1.4	0.3					
109	**4130**	Lower	0.28	0.15	0.40			0.8	0.15							
		Upper	0.33	0.35	0.60	0.035	0.04	1.1	0.25							
110	**4135**	Lower	0.32	0.15	0.65			0.8	0.15							
		Upper	0.39	0.35	0.95	0.035	0.04	1.15	0.25							
111	**4140**	Lower	0.38	0.15	0.75			0.8	0.15							
		Upper	0.43	0.35	1.00	0.035	0.04	1.1	0.25							
112	**41Cr4**	Lower	0.38		0.60			0.9								
		Upper	0.45	0.40	0.90	0.035	0.3	1.2								
113	**42MnV7**	Lower	0.38	0.15	1.60								0.07			
		Upper	0.45	0.35	1.90	0.035	0.04						0.12			
114	**4340**	Lower	0.38	0.15	0.60			0.7	0.2	1.65	0.35					
		Upper	0.43	0.35	0.80	0.03	0.04	0.9	0.3	2						
115	**50CrMo4**	Lower	0.46	0.15	0.50			0.9	0.15							
		Upper	0.54	0.35	0.80	0.035	0.04	1.2	0.25							
116	**5120**	Lower	0.17	0.15	0.70			0.7								
		Upper	0.22	0.35	0.90	0.035	0.04	0.9								
117	**5135**	Lower	0.33	0.15	0.60			0.8								
		Upper	0.38	0.35	0.80	0.035	0.04	1.05								
118	**5140**	Lower	0.38	0.15	0.70			0.7								
		Upper	0.43	0.35	0.90	0.035	0.04	0.9								
119	**5145**	Lower	0.43	0.15	0.70			0.7								
		Upper	0.48	0.30	0.90	0.035	0.04	0.9								
120	**5145H**	Lower														
		Upper														
121	**58SiMn**	Lower	0.55	1.00	0.90											
		Upper	0.63	1.50	1.30	0.035	0.04	0.3		0.3	0.2					
122	**5CrMo16**	Lower	0.07	0.05	0.05	0.03	0.03	3.5	0.4							
		Upper		0.25	0.25			4.5	0.6							
123	**6F3**	Lower														
		Upper	0.55	0.85	0.60	0.025	0.03	1	0.75	1.8			1			
124	**817M40**	Lower	0.36	0.10	0.45	0.04	0.02	1	0.2	1.3						
		Upper	0.44	0.35	0.70		0.04	1.4	0.35	1.7						
125	**826M40**	Lower	0.36	0.10	0.45	0.04	0.02	0.5	0.45	2.3						

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.44	0.35	0.70		0.04	0.8	0.65	2.8						
126	**832M13**	Lower	0.10	0.10	0.35	0.04	0.04	0.7	0.1	3						
		Upper	0.16	0.35	0.60			1	0.25	3.75						
127	**8620**	Lower	0.18	0.15	0.70			0.4	0.15	0.4	0.35					
		Upper	0.23	0.35	0.90	0.03	0.04	0.6	0.25	0.7						
128	**8620H**	Lower	0.17	0.15	0.60			0.35	0.15	0.35	0.35					
		Upper	0.23	0.35	0.95	0.04	0.03	0.65	0.25	0.75						
129	**8622H**	Lower	0.19	0.15	0.60			0.35	0.15	0.35	0.35					
		Upper	0.25	0.35	0.95	0.04	0.03	0.65	0.25	0.75						
130	**8640**	Lower	0.38	0.15	0.75			0.4	0.15	0.4						
		Upper	0.43	0.35	1.00	0.035	0.04	0.6	0.25	0.7						
131	**9310**	Lower	0.08	0.15	0.45			1	0.08	3						
		Upper	0.13	0.35	0.65	0.025	0.03	1.4	0.15	3.5						
132	**A572**	Lower	0.22	0.20	1.20	0.04	0.05						0.1			
		Upper	0.23	0.35	1.35								0.2			
133	**A572 Grade 50**	Lower			0.80								0.01			
		Upper	0.23	0.40	1.35	0.04	0.05						0.15			
134	**AGS-180W6**	Lower	1.60	0.30	0.35	0.03	0.03	0.25						5.7		
		Upper	2.00											6.2		
135	**API Grade X-70**	Lower														
		Upper	0.26	0.30	1.65	0.03										0.06
136	**Armour Plate**	Lower	0.26	0.20	1.00	0.03	0.03	1	0.1							
		Upper	0.32	0.50	1.40			1.4	0.4							
137	**ARMOX 500T**	Lower														
		Upper	0.30		1.20			1	0.7	1.3						
138	**AWC-GRADE-1**	Lower	0.42	0.15	0.60	0.03	0.03	0.35								
		Upper	0.48	0.35	0.90			0.5								
139	**CLARM HBR**	Lower	0.28	0.10	0.10			1.3	0.3	3.2			0.16			
		Upper	0.33	0.30	0.40	0.007	0.01	1.7	0.5	3.8	0.15	0.02	0.25			
140	**D406A**	Lower	0.27	1.40	0.70			1	0.4				0.08			
		Upper	0.33	1.70	1.00	0.013	0.01	1.3	0.55		0.25		0.15			
141	**E116**	Lower														
		Upper														
142	**E920**	Lower														
		Upper														
143	**EN16**	Lower	0.32	0.10	1.30				0.22							
		Upper	0.40	0.40	1.70	0.035	0.04		0.32							
144	**EN16C**	Lower	0.35	0.10	1.30				0.22							
		Upper	0.40	0.35	1.70	0.035	0.04		0.32							
145	**EN16C (Mod)**	Lower	0.35	0.10	1.30				0.15							
		Upper	0.40	0.35	1.70	0.035	0.04		0.25							
146	**EN18**	Lower	0.36	0.10	0.60			0.9								
		Upper	0.44	0.35	0.90	0.035	0.04	1.2								
147	**EN18B**	Lower	0.30	0.10	0.65			0.85								
		Upper	0.35	0.35	0.80	0.05	0.05	1.15								
148	**EN18C**	Lower	0.34	0.10	0.60			0.9								
		Upper	0.39	0.35	0.80	0.035	0.04	1.2								
149	**EN24**	Lower	0.36	0.10	0.45	0.04	0.04	1	0.2	1.3						
		Upper	0.44	0.40	0.70			1.4	0.35	1.7						
150	**EN28**	Lower	0.25	0.10	0.70	0.02	0.02	0.75	0.2	3						

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.40	0.35				1.5	0.65	4.5						
151	**EN31**	Lower	0.90	0.10	0.30	0.04	0.04	1.2		0.3	0.3					
		Upper	1.20	0.35	0.60			1.6								
152	**F550**	Lower	0.48	0.20	0.90			0.9					0.1			
		Upper	0.54	0.35	1.10	0.035	0.04	1.2			0.35		0.15			
153	**G4335V**	Lower	0.30	0.10	0.40			0.7	0.46	2			0.1			
		Upper	0.40	0.35	0.70	0.01	0.01	1.2	0.6	3.3	0.2	0.015	0.25			
154	**HLES-80**	Lower								4.07		0.02				
		Upper	0.15	0.25	0.50	0.015	0.01	0.5	0.4	4.8	0.25	0.03	0.09			
155	**HMC-Grade-1**	Lower	0.28	1.40	0.70	0.01	0.01	1	0.4	0.25			0.08			
		Upper	0.33	1.76	1.00			1.3	0.55				0.15			
156	**HRA-PL-01**	Lower	0.25	0.15	0.30			1.3	0.3							
		Upper	0.31	0.35	0.80			1.7	0.5							
157	**Huffaz-1.5639**	Lower		0.18	0.31					3.18						
		Upper	0.19	0.37	0.64	0.025	0.03			3.82						
158	**Index-5044**	Lower	0.42	0.15	0.60			0.35								
		Upper	0.48	0.35	0.90	0.035	0.04	0.5								
159	**PSM-2**	Lower	0.25	0.20	0.40			1.5	0.25							
		Upper	0.40	0.40	0.60	0.035	0.04	2	0.35							
160	**PSM-3**	Lower	0.27	0.20	0.30			0.7	0.3	2.8						
		Upper	0.33	0.40	0.60	0.02	0.02	1.1	0.5	3.5						
161	**R100**	Lower	0.95	0.25	0.25			1.4								
		Upper	1.05	0.35	0.40	0.025	0.02	1.65			0.3					
162	**SA508 Class-3**	Lower	0.16	0.15	1.20	0.02	0.02	0.2	0.45	0.6		0.04	0.02			
		Upper	0.22	0.37	1.50				0.6	1						
163	**SCM415**	Lower	0.13	0.15	0.60			0.9	0.15			0.02				
		Upper	0.18	0.35	0.85	0.03	0.03	1.2	0.3	0.25	0.3	0.03				
164	**SCM-420**	Lower	0.18	0.15	0.60	0.03	0.03	0.9	0.15	0.25	0.3					
		Upper	0.23	0.35	0.85			1.2	0.3							
165	**SCM435**	Lower	0.33	0.15	0.60			0.9	0.15							
		Upper	0.38	0.35	0.85	0.03	0.03	1.2	0.3	0.25	0.3					
166	**ST- 40XHM**	Lower	0.37	0.17	0.50			0.6	0.15	0.7						
		Upper	0.44	0.37	0.80	0.025	0.03	0.9	0.25	1.1						
167	**ST- 45X**	Lower	0.41	0.17	0.50			0.8								
		Upper	0.49	0.37	0.80	0.025	0.03	1.1								
168	**ST-52**	Lower														
		Upper	0.22	0.55	1.60	0.05	0.05									
169	**ST-52-3**	Lower		0.15									0.04			
		Upper	0.20	0.40	1.50	0.03	0.04						0.08			
170	**St52-3Cu3**	Lower														
		Upper														
171	**SUP10**	Lower	0.47	0.15	0.65	0.04	0.04	0.8			0.3		0.15			
		Upper	0.55	0.35	0.95			1.1					0.25			
172	**SUP6**	Lower	0.56	1.50	0.70											
		Upper	0.64	1.80	1.00	0.035	0.04				0.3					
173	**SUP7**	Lower	0.56	1.80	0.70						0.3					
		Upper	0.64	2.20	1.00	0.035	0.04									
174	**SUP9**	Lower	0.52	0.15	0.65			0.65			0.3					
		Upper	0.60	0.35	0.95	0.035	0.04	0.95								
175	**SUP9 (Toyota)**	Lower	0.50	0.15	0.65	0.04	0.04	0.65								

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper	0.60	0.35	0.85			0.95								
176	**SWRH-82B**	Lower														
		Upper														
177	**V121**	Lower	0.31	0.20	0.50			0.8	0.3	2.8						
		Upper	0.37	0.35	0.80	0.01	0.02	1.1	0.4	3.1						
178	**V500**	Lower	0.38	0.20	0.60			0.9								
		Upper	0.44	0.35	0.80	0.025	0.03	1.2			0.35					
179	**W500**	Lower	0.50	0.10	0.65			1	0.45	1.5			0.07			
		Upper	0.60	0.40	0.95	0.03	0.03	1.2	0.55	1.8			0.12			
180	**0Cr21Ni5Ti**	Lower	0.08	0.80	0.80	0.03	0.03	20		4.8						0.3
		Upper						22		5.8						0.6
181	**1.2344**	Lower	0.37	0.90	0.30			4.8	1.2				0.9			
		Upper	0.43	1.20	0.50	0.03		5.5	1.5				1.1			
182	**1.2367**	Lower	0.35	0.30	0.30	0.04	0.04	4.7	2.7				0.4			
		Upper	0.40	0.50	0.60			5.2	3.3				0.7			
183	**1.2436**	Lower	2.00	0.10	0.15	0.03	0.03	11						0.6		
		Upper	2.25	0.40	0.45			12						0.8		
184	**1.3202**	Lower	1.30					3.8	0.7				3.5	11.5	4.5	
		Upper	1.45	0.45	0.40	0.03	0.03	4.5	1				4	12.5	5	
185	**1.3255**	Lower	0.75					3.8	0.5				1.4	17.5	4.5	
		Upper	0.83	0.45	0.40	0.03	0.03	4.5	0.8				1.7	18.5	5	
186	**304**	Lower					0.03	18		8						
		Upper	0.08	1.00	2.00	0.045	0.03	20		10.5						
187	**304L**	Lower						18		8						
		Upper	0.03	1.00	2.00	0.045	0.03	20		12	0.35					
188	**316**	Lower						16	2	10						
		Upper	0.08	1.00	2.00	0.045	0.03	18	3	14						
189	**316L**	Lower						16	2	10						
		Upper	0.03	1.00	2.00	0.045	0.03	18	3	14						
190	**321**	Lower						17		9						
		Upper	0.08	1.00	2.00	0.045	0.03	19		12						
191	**410**	Lower						11.5								
		Upper	0.15	1.00	1.00	0.04	0.03	13.5								
192	**416**	Lower														
		Upper														
193	**420**	Lower		1.00	1.00	0.04	0.03	12								
		Upper	0.15					14								
194	**431**	Lower	0.20	1.00	1.00	0.04	0.03	15		1.25						
		Upper						17		2.5						
195	**440C**	Lower	0.95	1.00	1.00	0.04	0.03	16	0.75							
		Upper	1.20					18								
196	**4Cr13**	Lower	0.36					12								
		Upper	0.45	0.60	0.80	0.035	0.03	14		0.6						
197	**630**	Lower						15		3	3					
		Upper	0.07	1.00	1.00	0.04	0.03	17.5		5	5					
198	**A105**	Lower														
		Upper														
199	**A200**	Lower		0.35	1.20			16.5	2	11						
		Upper	0.03	0.60	1.50	0.04	0.03	17.5	2.3	12	0.35					
200	**A604**	Lower														

S.No.	Steel Grade	Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	V	W	Co	Ti
		Upper														
201	**A750**	Lower														
		Upper														
202	**BS 150M19**	Lower	0.15	0.15	1.30											
		Upper	0.23	0.30	1.70	0.05	0.05									
203	**BS 970 Pt-1**	Lower			0.90		0.20									
		Upper	0.15	0.40	1.30	0.07	0.30									
204	**D2**	Lower														
		Upper														
205	**H13**	Lower	0.30	0.80	0.20	0.03	0.03	4.75	1.25				0.8			
		Upper	0.40	1.20	0.40			5.5	1.75				1.2			
206	**H532**	Lower		1.20	1.10			24.5		19						
		Upper	0.08	1.35	1.30	0.03	0.03	26		20.5						
207	**K100**	Lower	1.90	0.10	0.15			11								
		Upper	2.20	0.40	0.45	0.025	0.03	12			0.25					
208	**K105**	Lower	1.55	0.25	0.20			11	0.5				0.1	0.4		
		Upper	1.75	0.40	0.40	0.03	0.03	12	0.7				0.5	0.6		
209	**K107**	Lower														
		Upper														
210	**K110**	Lower	1.50	0.10	0.15			11	0.6				0.9			
		Upper	1.60	0.40	0.45	0.03	0.03	12	0.8				1.1			
211	**N100**	Lower														
		Upper														
212	**N310**	Lower														
		Upper														
213	**N685**	Lower														
		Upper														
214	**SKT/AG-420**	Lower	0.16					9								
		Upper	0.20	1.00	1.00	0.04	0.03	10		0.6						
215	**SUS-410**	Lower	0.15	1.00	1.00	0.04	0.03	11.5		0.6						
		Upper						13.5								
216	**SUS-420-J1**	Lower	0.16	1.00	1.00	0.04	0.03	12		0.6						
		Upper	0.25					14								
217	**SUS-420-J2**	Lower	0.26	1.00	1.00	0.04	0.03	12		0.6						
		Upper	0.40					14								
218	**SUS430**	Lower	0.12	0.75	1.00	0.04	0.03	16		0.6						
		Upper						18								
219	**T4**	Lower	0.70	0.20	0.20			3.75	0.7				0.8	17.25	4.25	
		Upper	0.80	0.40	0.40	0.03	0.03	4.5	1				1.2	18.75	5.75	
221	**X17**	Lower						16								
		Upper	0.12	0.80	0.70	0.035	0.03	18			0.3					
222	**Gray Cast Iron**	Lower	3.50	0.80	0.50	0.05	0.08									
		Upper	3.80	1.90	1.10	0.15										

Note: Total 222 steel grades

Chemical composition of some grades of Case Hardening steels

Annex-II

Steel grade \ Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al
20MnCr5	0.17 - 0.22	0.15 - 0.4	1.1 - 1.4	0.035 (Max)	0.035 (Max)	1 - 1.3				
AISI/ SAE-8620	0.18 - 0 .23	0.15 - 0.35	0.7 - 0.9	0.03 (Max)	0.04 (Max)	0.4 - 0.6	0.15 - 0.25	0.4 - 0.7	0.35 (Max)	
AISI/ SAE-8622H	0.19 - 0.25	0.15 - 0.35	0.6 - 0.95	0.04 (Max)	0.03 (Max)	0.35 - 0.65	0.15 - 0.25	0.35 - 0.75	0.35	
JIS SCM-415	0.13 - 0.18	0.15 - 0.35	0.6 - 0.85	0.03 (Max)	0.03 (Max)	0.9 - 1.2	0.15 - 0.3	0.25 (Max)	0.3 (Max)	0.02 - 0.03
JIS SCM-420	0.18 - 0.23	0.15 - 0.35	0.6 - 0.85	0.03 (Max)	0.03 (Max)	0.9 - 1.2	0.15 - 0.3	0.25 (Max)	0.3 (Max)	
JIS SCM-435	0.33 - 0.38	0.15 - 0.35	0.6 - 0.85	0.03 (Max)	0.03 (Max)	0.9 - 1.2	0.15 - 0.3	0.75 (Max)	0.3 (Max)	

Chemical composition assortment to ascertain case hardening steels

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al
Chemical composition assortment to ascertain case hardening steels	0.17 - 0.38	0.15 - 0.40	0.6 - 1.10	0.03 - 0.035	0.03 - 0.035	0.35 - 1.3	0.3 (Max)	0.25 (Max)	0.3 (Max)	0.03 (Max)