

**DETAILS OF MAJOR VENDOR TRADE GROUPS.**

| <b>Major Group No.</b> | <b>Description</b>  |
|------------------------|---|
| 00                     | Metal Processing groups.  |
| 01                     | Conversion/Miscellaneous process groups.  |
| 03                     | Items peculiar to Steam Locos.  |
| 11                     | Items peculiar to Diesel Locos.   |
| 10                     | Items peculiar to Vehicle and Chasis of Diesel Locos.   |
| 23                     | Items peculiar to Electric locos and EMUs.  |
| 30                     | Items peculiar to Coaching stock and Wagons.  |
| 40                     | Cables, Conductors, Transmission materials.   |
| 41                     | Insulating and Insulating materials.  |
| 42                     | General Electrical fittings.  |
| 43                     | Electrical measuring instruments, Appliances and components.  |
| 45                     | Cells of all types, train lighting items of special natures and Electrical amenities for passengers.                      |
| 46                     | Electric-Sub station, Transmission and Distribution equipments.   |
| 47                     | Electric machinery and parts.   |
| 50                     | Telegraph and Telephone equipments.   |
| 52                     | Wireless equipments electronic components and spares for communications.  |
| 54                     | Mechanical signaling and interlocking equipments not covered by other groups.   |
| 56                     | Electrical signaling and interlocking equipments.   |
| 60                     | Permanent way and Bridge work.  |
| 61                     | Building materials and Sanitary wares.  |
| 62                     | Pipes and Pipe fittings.  |
| 65                     | Plant and Machinery including complete units.   |
| 67                     | Road motors, Auto trucks, material handling equipments and spares.  |
| 70                     | Abrasives.  |
| 71                     | Brushes, Brushware, Baskets and Bamboo products.  |
| 72                     | Tools, Accessories, Components and Instruments.   |
| 73                     | Hardware items, Fasteners.  |
| 74                     | Hardware (Other than fasteners), Wire ropes, chains and Allies fittings, Oil Lamps etc.                                   |
| 75                     | Rubber, Leather, Canvas, Plastic, Flooring and Kindred materials.   |
| 76                     | Electrodes, cutting and Welding accessories, Electrical and Oxyacetylene.   |
| 77                     | Paints, Varnishes and Enamels including Painters Oil.   |
| 78                     | Crockery, cutlery, Napery, Kitchen and Tableware, Furniture and other equipments including Clocks, Watches etc.           |
| 79                     | Cloth, Clothing and Personal equipments, Cotton products like Cords, Twine ropes and Waste cotton etc.                    |
| 80                     | Petroleum and Petroleum products.   |
| 81                     | Acids, Chemicals and Chemicals products (including soaps, Disinfectants, Insecticides and Explosives) and Vegetable oils. |
| 82                     | Drugs, Pharmaceuticals, Hospital instruments and appliances.  |
| 83                     | Stationery and Photographic goods and Equipments and Laboratory equipments not covered elsewhere.                         |
| 84                     | Refractories, Glass, Glass substitutes, Asbestos, Fibre and Packing materials.  |
| 85                     | Ball Roller Bearings.   |
| 86                     | Fire Fighting equipments.   |

|    |                                     |
|----|-------------------------------------|
| 90 | Raw materials (Ferrous)             |
| 91 | Non-ferrous metals.                 |
| 92 | Fuel other than Petroleum products. |
| 93 | Timber.                             |
| 98 | Scrap materials.                    |

**00 - Metal Processing Group**

| <b>Trade Group No.</b> | <b>Description of items</b>                                  |
|------------------------|--|
| 0005                   | Light C.I. Castings(including machining) upto 50 Kgs.        |
| 0006                   | Medium C.I. Castings(including machining) upto 1000 Kgs.     |
| 0007                   | Heavy C.I. Castings(Including machining beyond 1000 Kgs.     |
| 0008                   | Spheroidal graphite cast iron, including machining.          |
| 0009                   | Mechanite C.I. items.  |
| 0010                   | Steel castings with machining upto 500 Kgs.                  |
| 0011                   | Steel casting with machining above 500 Kgs.                  |
| 0016                   | Malleable castings with machining.                           |
| 0018                   | Non-ferrous casting with machining.                          |
| 0020                   | Die castings.  |
| 0021                   | Forgings light with machining.                               |
| 0022                   | Forgings medium with machining.                              |
| 0023                   | Forgings heavy with machining.                               |
| 0024                   | Drop stampings and off set forging.                          |
| 0025                   | Wheels, Tyres, Axles than rolling stock.                     |
| 0026                   | Wheels, Tyres, Axles for other than rolling stock.           |
| 0027                   | Glut rings.  |
| 0029                   | Gears and Pinions for traction motors.                       |
| 0030                   | Gears and Pinions for other operations.                      |
| 0032                   | Components involving machining only.                         |
| 0034                   | Heavy Plate works.   |
| 0035                   | Heavy fabrication work special to rolling stock.             |
| 0036                   | Fabricated components welded and riveted.                    |
| 0038                   | Punching and Press work.                                     |
| 0039                   | Re-rolling rounds and flats etc.                             |
| 0042                   | Springs helical and volute.                                  |
| 0043                   | Springs laminated.   |
| 0044                   | Springs of S.S. wire.  |
| 0047                   | Mangarese steel components such as liners, pines and bushes. |

**01 - Conversion/ Miscellaneous Process Group**

| <b>Trade Group No.</b> | <b>Description of items</b>  |
|------------------------|--|
| 0107                   | Refining and Smelting of non-ferrous scraps into vergin metals and alloy ingots.           |
| 0108                   | Heat treatment Flame, including case handling/carburizing, metalising.                     |
| 0109                   | Galvanizing of compone nts- Hot Dip/Electrolysis   |
| 0110                   | Anodising of components.   |
| 0111                   | Chromium plating of components, hard chromium, nicked, cadmium lead plating of components. |
| 0112                   | Non-metalic coating rubber lining, Epoxy coating, Plastic Coating etc.                     |
| 0115                   | Cutting and shearing of steel sections including plates.                                   |
| 0117                   | Fabrication of bridge and other structures.  |
| 0120                   | Fabrication of garments, stitching.  |

|      |  |
|------|--|
| 0122 | Printing and binding work.                 |
| 0125 | Transporting of steel and other materials. |
| 0128 | Clearance of consignments from the ports.  |
| 0130 | Automobile body building.                  |
| 0131 | Automobile repairs.                        |

### **03- Items Peculiar to Steam Locos**

| Trade Group No. | Description of items   |
|-----------------|--|
| 0305            | V.D.O. Speedometer and its spares including recording charts and flexible shafts with end couplings. |
| 0308            | Sanding gears and parts.   |
| 0310            | Ejectors, steam brake valves and spares.   |
| 0311            | Injectors and spares.  |
| 0315            | Lubricators and spares.  |
| 0316            | Gauge glasses, protector glass and Bull's eye (Sight feed glass)                                     |
| 0318            | Pressure and vacuum gauges.  |
| 0320            | Piston rod packing   |
| 0323            | Grease Guns, nipples and cups.   |
| 0325            | Super heater element complete or parts (torpedo ends)  |
| 0327            | Therm c syphon and parts.  |
| 0328            | Fire box including combustion chamber, tube and wrapper plates.                                      |
| 0333            | Asbestos mattresses, asbestos packing etc.   |
| 0336            | Lubricator pads.   |
| 0339            | Valves, valve gears and other parts.   |
| 0379            | Sophisticated and high precision spares for steam locos not otherwise classified.                    |

### **10- Items Peculiar to Diesel Locos**

| Trade Group No. | Description of items  |
|-----------------|---|
| 1005            | Engine block and main base and generator support.   |
| 1008            | Cylinder liners.  |
| 1009            | Pistons, Piston rings, wrist pins.  |
| 1010            | Cylinder head/valve lever assemblies and sub-assemblies.  |
| 1011            | Inlet and exhaust valves valve seat insert and valve guides, push rods, Fuel pump support fulerums, cam rollers, spring seat and valve locks. |
| 1015            | Crank/Camshafts and extension shafts.   |
| 1017            | Exhaust Manifolds.  |
| 1019            | Turbo super charger and spares including inlet and outer castings.  |
| 1021            | Water Cooler, after cooler and Lub. oil cooler  |
| 1023            | Bimetal and Trimetal bearings and bushings.   |
| 1024            | Shims.  |
| 1025            | Fuel injection system (imported MICO).  |
| 1027            | Valves for lub. oil and fuel oil systems.   |
| 1029            | Governors and governor drives including mounting and linkage.   |
| 1031            | Over speed trip assembly and acceleration control devices.  |
| 1033            | Vibration damper, clutch plates.  |

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| 1035 | Cardan shafts/properlor shafts  |
| 1037 | Sock filters, paper filters, oil bath filter and strainers.                         |
| 1039 | Water pump, lub. oil pump, fuel pump and spares blowers, crank cast exhausters      |
| 1041 | Snubber valve assembly.   |
| 1043 | Air pressure control valves.  |
| 1044 | Tachometer generator assembly.  |
| 1045 | Elbows bends, and fuel oil piping.  |
| 1047 | Gasket metallic, 'O' rings and oil seals.   |
| 1049 | Sophisticated and high precision spares for diesel locos, not otherwise classified. |

### **11- Items Peculiar to Vehicles and Chassis of Diesel Locos.**

|      |   |
|------|---|
| 1105 | Hydraulic and Hydro Mechanical transmission and spares.   |
| 1110 | Vulcan couplings, fluid couplings and gear type coupling.   |
| 1113 | Air compressor, vacuum exhauster, expressor and spares.   |
| 1115 | Air brake and vigilance control and spares, Auto brake valves, independent brake valve selector valve, pilot air valve, air reservoirs.                   |
| 1117 | Air compressor governor.  |
| 1119 | Radiator fan, Eddy current clutch and spares.   |
| 1121 | Air horns.  |
| 1123 | Sand conveyors and allied equipments.   |
| 1125 | Windows wiper assembly with motor components.   |
| 1126 | Insulated metallic fittings such as end bushes terminal strips, handles etc.  |
| 1127 | Sunvisor assembly.  |
| 1129 | Sliding window and components, door latch and door lock assembly.   |
| 1135 | Speed recorder and allied equipment.  |
| 1139 | Valves- Sandor control, Hora operating safe, Auto drains pressure regularizing and needle valves, Fuel—Flow -valves check, double check and globe valves. |
| 1141 | Cocks—Angle cock, combined cut-out cock and strainer three way cock, drain and cut out cocks.   |
| 1143 | Traction motor blower, air duct boot and allied assembly.   |
| 1179 | Other sophisticated and high precision spares for diesel locos not otherwise included in any of the serialized trade groups.                              |

### **23- Items Peculiar to Elec Locos. EMUs and Electrical Portion of Diesel Locos.**

|      |   |
|------|---|
| 2305 | Pantograph and its components.  |
| 2310 | Master controller and parts.  |
| 2315 | Dynamic and regenerative brake equipments.  |
| 2320 | Voltage regulation, 'E' type control equipments, Exc itation and transition control panels. |
| 2323 | Frequency regulators.   |
| 2326 | All protective relays like circuit breakers, current balance relay, over load relay etc.    |
| 2329 | All E.P. Contractors.   |
| 2332 | Arao Convertor and spares.  |
| 2335 | Shunts.   |
| 2338 | Silicon and selenium rectifies and parts.   |
| 2343 | Resisters.  |

|      |   |
|------|---|
| 2345 | Tap Changers and parts.   |
| 2347 | Smothering reactors and rectifiers.   |
| 2349 | H.R.C. Fuses (High rupture capacity)  |
| 2351 | Certain types of T.M.S. used on WCM Type Locos and TAO 659.                                   |
| 2353 | Static battery chargers.  |
| 2355 | Transformers  |
| 2356 | Receptacles and control jumpers.  |
| 2357 | Motor alternator and motor generator sets and spares.   |
| 2379 | Sophisticated and high precision spares for electric locos and EMUs not otherwise classified. |

### **30—Items Peculiar to Coaching Stock and Wagons.**

| <b>Trade Group No.</b> | <b>Description of items</b>   |
|------------------------|---|
| 3005                   | Centre buffer couplers, draft gear and buffer assemblies.   |
| 3008                   | Shackle type couplers ( for EMUs).  |
| 3010                   | Screw couplings of all types.   |
| 3013                   | Vacuum brake fittings such as cylinders, D.A valves, alarm valves, release valves etc. Piston rods etc. |
| 3017                   | Hose pipe siphon, packing and rolling rings etc.  |
| 3020                   | Slack adjusters.  |
| 3024                   | Empty load box.   |
| 3028                   | Shock absorbers.  |
| 3030                   | Silent blocks.  |
| 3033                   | Vestibules.   |
| 3036                   | Window shutters and doors.  |
| 3039                   | Roof water tanks.   |
| 3042                   | Stainless steel Fittings for C & W stock.   |
| 3044                   | Commodes.   |
| 3047                   | Axle Pelleys.   |
| 3049                   | Battery boxes for coaches.  |
| 3051                   | Carriage door locks.  |
| 3052                   | Miscellaneous coach fittings not included in other groups Lavatory.                                     |
| 3055                   | Miscellaneous coach fittings not included in other groups Exterior.                                     |
| 3057                   | Miscellaneous coach fittings not included in other groups Interior.                                     |
| 3059                   | E.P./Air Brake equipments and spares.   |

### **40- Cables, Conductors, Transmission Materials.**

|      |  |
|------|--|
| 4005 | Cables insulated VIR, PVC, PILC, etc.                            |
| 4010 | Cables insulated aluminium sheathed for signaling.               |
| 4015 | Cables polychoroprene for wiring of diesel/elec. Locos and UMUs. |
| 4020 | Aluminium conductor steel reinforced.                            |
| 4025 | Conductors wire bare for electrical purposes.                    |
| 4030 | Conductors copper other than wires.                              |
| 4035 | Wire winding super enameled cotton covered.                      |
| 4040 | Resistance, fuse wires etc.                                      |

#### **41—Insulators and Insulating Materials.**

|      |  |
|------|--|
| 4105 | Sheets, rods, blocks etc. synthetic resin bonded laminated.  |
| 4115 | Ebonite sheets, blocks etc.  |
| 4120 | Vulcanised fibre sheets, spl., resister panels, rods, blocks etc.  |
| 4125 | All types of insulating materials such as paper, black tape, cotton tape, fibre, glasswool, asbestos bonite, mica, sleeves. Etc. |

#### **41—Insulators and Insulating Materials. (Contd.)**

|      |   |
|------|---|
| 4130 | Glasses mica and silicon tapes of Class 'F' and above insulation. |
| 4135 | Porcelain insulator for low voltage.                              |
| 4040 | Porcelain insulator for high voltage.                             |
| 4145 | Insulating varnishes, compounds and oils.                         |
| 4150 | PTFF/Teiflon shocks and insulators.                               |
| 4155 | Porcelain tubes, blocks, cleats and contactors.                   |

#### **42—General Electrical Fittings.**

|      |  |
|------|--|
| 4205 | Switchgears for high voltage.  |
| 4206 | Switches for all types including switches, rotary and toggle types, pushbutton, low water, alarm switches, temperature switches, pressure switches, etc. |
| 4210 | Fans, home service/train service, air circulators exhaust blowers etc. including regulators.   |
| 4213 | Corduit pipes, flexible metallic tubes etc.  |
| 4216 | Electrical lamps of sorts and sizes including flourscent lamps, mercury, vapour lamps etc.   |
| 4319 | Electrical floodlight lamps, fittings and accessories other than carriage lamps fittings.  |
| 4223 | Neon signs.  |
| 4226 | Bowl glass, lenses of sorts.   |
| 4229 | Wire terminals, cable lugs, connections and allied terminal fittings.  |
| 4230 | Code Markers for Cables.   |
| 4232 | Battens, casing board, wooden plugs, rawl plugs.   |
| 4235 | Adaptors, sockets and plugs of different variety.  |
| 4238 | Clips.   |
| 4242 | Shades and shade parts.  |

#### **43—Electrical Measuring Instruments and Appliances and Components.**

|      |   |
|------|---|
| 4305 | Electrical measuring instruments—Voltmeters, Ammeters, Meggers, Potertio meters, galvaro meter, ohm meter, watt meters, thermocouples, etc.               |
| 4310 | Flaw detectors—Ultrasonic, Magraflax radiography charts for recording instruments.  |
| 4315 | Appliances for ventilator, air conditioners refrigerators, air conditioning plant and spares room heaters, water heaters, water coolers and their spares. |
| 4320 | All Electrical household appliances and spares.   |
| 4325 | Torches and other appliances for lighting.  |

**45 Cells all type Train Lighting items of special nature and electrical amenities of passengers.**

|      |   |
|------|---|
| 4505 | Steam turbo generators and spares.  |
| 4508 | Engine head light equipments and spares.  |
| 4512 | Dynamo, driving gear and switchgear.  |
| 4513 | Spares for the above.   |
| 4520 | Cells dry for torches and other instruments.  |
| 4522 | Cells dry for telegraph and telephone circuits.   |
| 4524 | Cells lead acid for train lighting, engine starting and stationary cells.               |
| 4525 | Cell connectors.  |
| 4528 | Air conditioning equipments and spare parts pertaining to rolling stock only.           |
| 4532 | Rectifiers, electrical couplers and their spare parts pertaining to rolling stock only. |
| 4535 | Sophisticated and high precision spares for the above.                                  |
| 4579 | T.L. fittings and spares not included elsewhere.  |

**46 Electric substation transmission and distributions equipments.**

|      |   |
|------|---|
| 4605 | Substation and track sectioning equipments. |
| 4606 | Spares for substation equipments.           |
| 4609 | Rectifiers and spares.                      |
| 4612 | Isolators and spares.                       |
| 4615 | Circuit breakers, and switchgears.          |
| 4615 | -----do-----                                |
| 4618 | Lighting arrestors.                         |

**46 Electric substation transmission and distributions equipments. (Contd)**

|      |   |
|------|---|
| 4620 | All types of electrical and signaling relays.     |
| 4625 | Fabricated galvanized structures for masts.       |
| 4629 | Overhead electric equipments for traction.        |
| 4633 | Grooved contact wire and catenary wire for O.H.E. |
| 4637 | Shackles thimbles and other starting equipments.  |
| 4642 | Misc. fittings for O.H.E.                         |

**47 – Electric Machinery and parts.**

|      |  |
|------|--|
| 4705 | Motor, generators, starters, convertors of various types and sizes.  |
| 4706 | Traction motors and generators and their accessories exclusive for diesel elec. AC/DC locos and EMU stock. |
| 4710 | Carbon brushes for traction motors and generators.   |
| 4712 | Carbon brushes for other applications.   |
| 4716 | Transformers of various types and sizes  |
| 4720 | Battery chargers and rectifiers.   |
| 4724 | Electric control panels.   |
| 4728 | Electroplating, Phosphating plant and equipments.  |
| 4732 | Lifts, escalators electric and accessories.  |
| 4735 | Electric pumping sets.   |
| 4738 | Electric oven and furnaces.  |
| 4742 | Electric machineries (Not included elsewhere).   |

### **50 Telegraph and Telephone Equipments.**

|      |   |
|------|---|
| 5005 | Telegraph equipments and spares.  |
| 5006 | Telephone equipments and spares.  |
| 5010 | Telephone exchange and spares including traffic control equipment and spares. |
| 5014 | Teleprinter equipments and spares.  |
| 5018 | Loud speakers, Microphones, amplifiers and allied equipments and spares.      |
| 5022 | Train passing apparatus and spares.   |
| 5026 | Bells, bell pushes and buzzers.   |

### **52 Wireless equipments including electronic components and spares for communication**

|      |   |
|------|---|
| 5205 | Wireless equipments and spares.                       |
| 5210 | Microwave equipments and spares.                      |
| 5215 | Electronic computing equipments and calculators.      |
| 5225 | Television sets and spares.                           |
| 5230 | Tape recorders and magnetic tape and cassettes.       |
| 5279 | Other sophisticated electronic equipments and spares. |

### **54 Mechanical signaling and Interlocking equipments not covered by other groups.**

|      |  |
|------|--|
| 5410 | Interlocking frame, their parts and fittings, cranks compensators etc. |
| 5415 | Signal arm, spectacles, clips, roddings, rollers etc.                  |
| 5418 | Lenses and roundels for signals.                                       |
| 5422 | Barriers, lifting gates, etc.  |
| 5426 | Signal poles tubular and lattice.                                      |
| 5430 | Signal poles (RCC).  |

### **56 –Electrical signaling and Interlocking equipments.**

|      |   |
|------|---|
| 5608 | Signal machines electric.   |
| 5613 | Block instruments and spares.   |
| 5618 | Control frames and cabin fittings, Electrical circuit controllers, reversers, signal route indicators signals colour light multi unit type, search- light type etc. |
| 5622 | Shunt signals.  |
| 5679 | Electrical signaling equipment and spares not otherwise classified.   |

### **60-Permanent way and Bridge works.**

|      |   |
|------|---|
| 6005 | Rails.  |
| 6006 | Crossing and switches.                                |
| 6009 | Tie bars, fish plates and tie plates.                 |
| 6012 | Fish bolts, nuts, keys and fastenings.                |
| 6015 | Steel sleepers.                                       |
| 6017 | G.I. Sleepers and chairs.                             |
| 6019 | R.C.C. sleepers                                       |
| 6021 | Wooden sleepers.                                      |
| 6025 | Track tools exclusively used for permanent way works. |
| 6029 | Complete bridge girders.                              |
| 6032 | Track machine and spares.                             |
| 6035 | Dip. Lorry, push trolley, motor trolley complete.     |
| 6038 | Welded wheels for trolleys.                           |

|      |  |
|------|--|
| 6042 | Hydraulic buffers at station ends.   |
| 6079 | Sophisticated spares for track machines and equipments not otherwise classified. |

### **61 - Building Materials and sanitary wares**

|      |  |
|------|--|
| 6105 | Cement, lime, sand and bricks.                                       |
| 6108 | Tiles for flooring, earthen ware, glazed.                            |
| 6113 | Roofing materials.   |
| 6116 | Waterproofing compound for buildings.                                |
| 6119 | Doors and windows, metal.  |
| 6122 | Tiles roofing and ridges   |
| 6125 | Water tanks, steel of sizes.   |
| 6126 | Water tans, R.C.C.   |
| 6128 | Tubular structures Pre-fabricated.                                   |
| 6131 | Collapsible steel gates, grills, rolling shutters and similar items. |
| 6134 | Flushing cisterns, tanks and fittings.                               |
| 6137 | Sanitary porcelain ware.   |
| 6140 | A.C. sheets asbesators, Trafford sheets, ridges, etc.                |
| 6142 | Bitumen washers and limpet washers.                                  |
| 6145 | Pane dust, pans latrine, grums, C.I. boxes.                          |
| 6148 | Water columns and fittings.  |
| 6151 | Yard enclosing materials.  |
| 6154 | Ladders, wooden steel and aluminium.                                 |
| 6156 | Benetaim blinds.   |
| 6158 | Stone ballast different sizes.                                       |
| 6179 | Special items not listed elsewhere.                                  |

### **62 - Pipes and Pipes Fittings.**

|      |  |
|------|--|
| 6205 | C.I. pipes and fittings.                       |
| 6207 | G.I. Pipes and fittings.                       |
| 6209 | R.C.C. Pipes and fittings.                     |
| 6211 | Pipes stoneware and fittings.                  |
| 6213 | Tubes bright.                                  |
| 6215 | Stainless steel pipes and fittings.            |
| 6218 | Copper and brass pipes.                        |
| 6221 | Other alloy pipes.                             |
| 6224 | Special pipings for diesel locos.              |
| 6228 | Pipes seamless and ERW.                        |
| 6231 | Boiler tubes, flue tubes and element tube.     |
| 6235 | PVC pipes flexible and rigid and Teflon pipes. |
| 6238 | Valves and cocks of sorts and sizes.           |
| 6241 | Meters flow and water.                         |

### **65 - Plant and Machinery Including complete units.**

|      |   |
|------|---|
| 6503 | Hydraulic presses and spares.                         |
| 6505 | Air compressors and spares not used in rolling stock. |
| 6507 | Pumping sets power operated and spares.               |
| 6508 | Pumping sets hand operated and spres.                 |
| 6510 | Overhead cranes and spres.                            |

|      |  |
|------|--|
| 6512 | Mobile cranes, diesel or otherwise poered and spres.                                   |
| 6514 | Staionery boilers, steam crares, tarboilers and spares.                                |
| 6516 | Road rollers, concrete mixers and other engineering plant and machine.                 |
| 6525 | Pneumatic hammers, shearing, brake press, punching, bots and muts forging machine etc. |
| 6528 | Machine tools powered by electricity.  |
| 6530 | Pedestal grinders.   |
| 6532 | Weighing machine and spares.   |
| 6534 | Prime movers and spares (Diesel and oil engines and spares).                           |
| 6540 | Pneumatic tools and machine.   |
| 6542 | Earth moving equipments, bull dozer etc.   |
| 6544 | Blasting equipments.   |
| 6546 | Pile driving equipments.   |
| 6548 | Pulley blocks, winches and other pulling and hoiting appliance.                        |
| 6550 | Metal spraying equipments.   |
| 6552 | Furnaces oil fuel of various sizes.  |
| 6554 | Water treatment plant.   |
| 6556 | Spray painting equipments.   |
| 6557 | Machines, printing of all types and spares.  |
| 6558 | Composing machines, binding machines etc   |
| 6559 | Machinery for cloth cutting hard/power operated etc.                                   |
| 6579 | Other machinery and plant and spares not otherwise classified.                         |

**67- Road motors, auto trucks, material handling equipments and spares.**

|      |   |
|------|---|
| 6705 | Complete trucks, lotrics, cars of other road vehicles.                    |
| 6707 | Petrol and diesel powered engines and spares for cars, trucks and lorries |
| 6712 | Tyres and tubes.  |
| 6717 | Lister, jumbo auto trucks and their spares including engines.             |
| 6719 | Battery operated auto trucks and spares.                                  |
| 6722 | Fork lifts and spares.  |
| 6727 | Bicyeles and spares.  |
| 6732 | Material handling equipment- different types and their spares.            |
| 6735 | Carts, trolleys, wheel barrows, etc hand operated.                        |
| 6738 | Lawn mowers.  |
| 6742 | Jacks, hydraulic and screw.   |
| 6748 | Conveyers belt, roller chain etc.   |
| 6759 | Automobile spares of all sorts.   |

**70- Abrasives**

|      |   |
|------|---|
| 7005 | Grinding wheels of various types, sizes and shapes. |
| 7010 | Coated abrasives on paper cloth.                    |
| 7015 | Abrasive paste                                      |
| 7020 | Abrasive powder.                                    |

**71- Brushes, Brushware, Baskets and Bamboo Products.**

|      |                       |
|------|-----------------------|
| 7105 | Brushes, Painters     |
| 7107 | Brushes, Lettering.   |
| 7110 | Brushes, wire         |
| 7115 | Brushes, other types. |

|      |   |
|------|---|
| 7120 | Brooms  |
| 7125 | Cane, cane baskets, and other cane products.                |
| 7130 | Baskets, Bamboo handles, lathes, ladders and other article. |

### **72- Tools accessories components and instruments.**

|      |  |
|------|--|
| 7205 | Hand tools Viz. hammers spanners wrenches drifts punches and chisels.                                      |
| 7211 | Files of different sizes and varieties.  |
| 7215 | Carpenter tools.   |
| 7218 | Screw drivers, pliers of different types and sizes insulated or otherwise.                                 |
| 7221 | Smithy, foundry and masonry tools.   |
| 7224 | HSS tools-drills, reamers, taps, die-chasers sockets and milling cutters of different varieties and sizes. |
| 7227 | Hand saw of all types sizes.   |
| 7230 | Blades, and saws of all types/sizes.   |
| 7233 | Cemented carbide tipped tools.   |
| 7238 | Pickaxes, powderhacks, shovels etc.  |
| 7243 | Forges portable.   |
| 7345 | Bellows smith.   |
| 7246 | Diamond-tipped tools,  |
| 7248 | Measures, weights and volume.  |
| 7250 | Scales, weighing.  |
| 7252 | Tapes, measuring metallic, steel.  |
| 7354 | Handles wooden.  |
| 7257 | Instruments survey.  |
| 7258 | Measuring instruments (non-electrical)   |
| 7279 | Special tools, not covered elsewhere in this book.   |

### **73- Hardware items fasteners**

|      |   |
|------|---|
| 7305 | Bolts, nuts, rivets, studs, screws all types and sizes (ferrous)  |
| 7306 | Bolts, nuts, rivets studs screws all types and sizes (Galvanized iron).   |
| 7309 | -----do-----and sizes (Cadmium chromium nickel etc plated).   |
| 7311 | -----do-----and sizes (Non-ferrous).  |
| 7313 | -----do-----and sizes (involving special raw materials/tolerances etc (such as may be needed for diesel/electric locos) |
| 7315 | Screws, wood etc, of all types.   |
| 7318 | Washers, of all types and sizes ferrous and non ferrous.  |
| 7321 | Washer circlips, etc of spring steel.   |
| 7325 | Pins-panel, cotters, split cotters, split taper solid taper.  |
| 7330 | Wire nails of all types (Ferrous and non-ferrous).  |
| 7335 | Tacks plain and covered.  |
| 7379 | Miscellaneous or special type fasteners not otherwise classified.   |

### **74- Hardware (other than fasteners) wire ropes, chains and allied fittings**

|      |  |
|------|--|
| 7405 | Steel wire ropes-lifting, hoisting general purposes and signaling.                   |
| 7408 | Chains of all types and sizes.   |
| 7411 | Buckets can sand drums tin cases feeders oil, Kettles, pans pots (ferrous).          |
| 7414 | Buckets, cans and drums tin cases reeders oil, kettles, pans, pots (traferrous non). |

|      |   |
|------|---|
| 7417 | Buckets, cans and drums, tin cases feeders oil kettles, pans pots (Non metallic)      |
| 7420 | Fasteners belt lacing steel for belts alligator type etc and hose clips.              |
| 7424 | Lamps oil and spares, lamps blow and spares pressure lamps stoves and spares.         |
| 7428 | Wicks for lamps tapes for sealing newar for cots etc.                                 |
| 7432 | Glass chimneys for lamps globes for light fittings.                                   |
| 7436 | Builders hardware (ferrous and non-ferrous) like tower bolt latches hinges locks etc. |
| 7440 | Expanded metal wire mesh weld mesh.   |

### **75- Rubber, Leather, Canvas, Plastic, Flooring and Kindred Materials**

|      |  |
|------|--|
| 7505 | Rubber and rubber products- foam rubber, rubber, gloves, rubbers sheets, rubber tubings.                               |
| 7510 | Leather and leather goods, apron, gunlets, washer leather buckets leather bellow cash bags suit cased brief cases etc. |
| 7515 | Canvas and goods, including tarpaulin apron gunlets raincoats etc.   |

### **75- Rubber, Leather, Canvas, Plastic, Flooring and Kindred Materials (Contents)**

|      |   |
|------|---|
| 7520 | Plastics, linoleum, rexine and other coated products.   |
| 7525 | Coir jute manila and other vegetable fibres and their products.   |
| 7530 | Synthetic fibers and products including nylon ropes.  |
| 7535 | Hoses of types and sizes including rubber, PVC armoured etc.  |
| 7538 | Hoses of various sizes- canvas and flax braided woven etc.  |
| 7541 | Metallic flexible hoses.  |
| 7544 | Belts leather of types and sizes  |
| 7546 | Belts, canvas of sizes.   |
| 7548 | Belt rubber and rubber impregnated of types and sizes.  |
| 7550 | Gaskets rubber of synthetic material  |
| 7552 | Felt and felt products.   |
| 7554 | Hessian and its products.   |
| 7556 | Special rubber and plastic components including bonded sandwiched material weather stripes etc. exclusively required for diesel and electric locos. |
| 7557 | Flooring composition and crystals, etc, flooring files sheets etc.  |

### **76- Electrodes cutting and welding accessories and electrical oxyacetylene**

|      |   |
|------|---|
| 7605 | Electrodes and fluxes (Aic welding ferrous and non-ferrous).  |
| 7610 | Welding rods, gas welding (Ferrous, non –ferrous).  |
| 7615 | Electrode holders of different types and makes.   |
| 7620 | Flame cutting machines and their spares.  |
| 7625 | Welding plants, machines and their spares electrical (including welding transformers, oil and air cooled).  |
| 7630 | Welding plant, machines and their spares-mechanical consisting of blow pipes, cutting nozzles spanners etc. |
| 7635 | Butt and arc welding plant and spares.  |
| 7640 | Welders protective equipments for eyes, face head etc.  |
| 7645 | Electrodes graphite for furnaces.   |

**77- Paints, varnishes and enamels including painter oils**

|      |  |
|------|--|
| 7704 | Paints- primer.  |
| 7706 | Paints of all varieties ordinary type.   |
| 7708 | -----do-----Enamel type.   |
| 7709 | Bituminous paints.   |
| 7710 | Paints- acid alkali and heat resisting.  |
| 7712 | Stove enamelling paints.   |
| 7716 | Spray paints (special qualities)   |
| 7719 | Special paints not covered by standard specification.                                |
| 7720 | Paints luminous.   |
| 7725 | Pigments of all varieties and colours.   |
| 7728 | Paints removers.   |
| 7732 | Special varnish for insulating purposes.   |
| 7735 | French polish and varnishes for general use.   |
| 7738 | Thinners and lacquers for painting and polishing, turpentine ,spirit methylated etc. |
| 7741 | Putties-wood and metal, in wet and dry forms, fillers gums, resins.                  |
| 7744 | Distempers of all types.   |
| 7747 | Linseed oil of all varieties.  |

**78- Crockery, cutlery, Napery, kitchen and tableware furniture and other equipments including clocks watches etc.**

|      |   |
|------|---|
| 7805 | Crockery, Potcelain, stainless steel brass glass enamelware etc.                  |
| 7808 | -----do-----Disposable paper plastic etc.   |
| 7812 | Cutlery.  |
| 7820 | Utensils, non-ferrous, stainless steel etc.                                       |
| 7825 | Canteen and kitchen equipments, cooking ranges, hearths stoves hand trolleys etc. |
| 7830 | Furniture (Wooden).   |
| 7831 | Furniture steel, including hospital furniture.                                    |

**78 Crockery, cutlery, napery, kitchen and tableware furniture and other equipments including clocks, watches etc (Conts)**

|      |   |
|------|---|
| 7885 | Clocks and watches of various types and sizes,. |
| 7843 | Enamelled sign boards.                          |
| 7846 | Cash safes, security lockers, cash boxes.       |
| 7879 | Miscellaneous items not covered elsewhere.      |

**79 – Cloth clothing and personal equipments and cotton products like cord twine ropes and waste cotton etc.**

|      |  |
|------|--|
| 7903 | Cloth cotton printed and plain (Khadi)               |
| 7905 | Cloth cotton other than khadi.                       |
| 7907 | Cloth woolen.  |
| 7909 | Cloth other types, including synthetic.              |
| 7910 | Garments khadi.                                      |
| 7912 | Garments cotton, other than khadi.                   |
| 7913 | Garments of all other materials including synthetic. |
| 7914 | Garments (Woolen)                                    |

|      |   |
|------|---|
| 7917 | Blankets (Woolen) .   |
| 7920 | Hosiery cotton and woolen.                                    |
| 7921 | Bed sheets, towels table cloth napkins of all types.          |
| 7922 | Mosquito curtains.  |
| 7927 | Mattresses and pillows (Coir cotton foam rubber)              |
| 7930 | Garniture items sewing threads-diflerent quality and colours. |
| 7932 | Twines and cords.   |
| 7935 | Bultors other than metallic.                                  |
| 7937 | Buttons metailic.   |
| 7940 | Waste cotton.   |
| 7942 | Yarn woolen.  |
| 7945 | Capes with or without hood-water proofing.                    |
| 7947 | Rain coats rubberized and plastic.                            |
| 7949 | Umbrella-hand garden and survey.                              |
| 7950 | Carpets of all materials.                                     |
| 7951 | Foot-wear, gumboots shoes, boots, leather aprons, etc.        |
| 7952 | Polish boot of all colours.                                   |
| 7954 | Flags, banner and buttings.                                   |
| 7956 | Badges metal, wistles etc.                                    |
| 7957 | Badges cloth and embroidery.                                  |
| 7958 | Water bottles metallic plastic etc.                           |
| 7959 | Solar hat felt hat and woolen caps helmet kullahs.            |

### **80 –Petroleum and petroleum products.**

|      |                                    |
|------|------------------------------------|
| 8005 | Lubricating oils greases           |
| 8010 | Oil transformer                    |
| 8915 | Oil cutting quenching.             |
| 8020 | Fuel oil furnace oil LPG           |
| 8025 | Ashphalt tar bitumen products.     |
| 8030 | Preservatives code creosote etc.   |
| 8035 | Rust preventives and rust removes. |

### **81- Acids, Chemicals and chemicals products (Including soaps, disinfectants, insecticides and explosives) and vegetable oil.**

|      |   |
|------|---|
| 8105 | Acid (Borie, Hydrochloric, sulphuric etc)   |
| 8108 | Chemicals general.  |
| 8111 | Gases (Acetylence, Argoan, carbon- dioxide, liquid chlorine, oxygen nitrogen, Freon and other refrigerants. |
| 8114 | Soaps and detergents cleaning compounds.  |
| 8117 | Tallow waxes rosin etc.   |
| 8120 | Disiafectants deodarants and insecticides.  |
| 8123 | Explosive items fog signals.  |

### **81- Acids, Chemicals and chemicals products (Including soaps, disinfectants, insecticides and explosives) and vegetable oil. (Contd)**

|      |  |
|------|--|
| 8126 | Vegetable oil.                                   |
| 8128 | Oils edible.                                     |
| 8131 | Chemicals for electroplating and case hardening. |
| 8132 | Chemicals for water softening.                   |

|      |  |
|------|--|
| 8133 | Cheicals for foundry use (Other than foundry sand) |
| 8134 | Calcium carbide.                                   |
| 8137 | Napthalene.  |
| 8140 | Metal polish in liquid, paste and powder form.     |
| 8143 | G aphite and plumbago.                             |
| 8146 | Foundry sand                                       |
| 8149 | Lime stone chalk.                                  |

**82 Drugs pharmaceuticals hospital instruments and appliances.**

|      |  |
|------|--|
| 8205 | Drugs and pharmaceuticals.   |
| 8210 | Bandaging cloth cotton absorbent etc.  |
| 8215 | First aid kit boxes.   |
| 8220 | Medical equipments for ambulance.  |
| 8225 | Surgical instruments and equipments.   |
| 8230 | Hospital wares and equipments.   |
| 8235 | X-ray plants and other special hospital machinery.   |
| 8279 | Sophisticateo instruments and equipments required for hospital use not otherwise classified. |

**83- Stationery and photographic goods and equipments and laboratory equipments not covered elsewhere**

|      |  |
|------|--|
| 8305 | Paper and cloth for tracings and drawings.   |
| 8308 | Paper ordinary writing typing carob and other varieties .  |
| 8309 | Paper printing flat.   |
| 8310 | Paper printing in reels.   |
| 8311 | Continuous stationery for EDP. Telex/Teleprinter and punch cards, etc, for computer .  |
| 8313 | Toilet paper.  |
| 8315 | Packaging items of paper cartors boxes kraft paper etc.  |
| 8318 | Paper board (Paste)Paper board (Suaw)Blank fullscap etc.   |
| 8319 | Ticket boards blank card tickets.  |
| 8325 | Malematical and drawing office equipments and materials instruments box drawing board t square set square etc.   |
| 8328 | Birding materials gum dextrin powder gur gum etc.  |
| 8331 | Miscellaneous stationery items like eraser rubber cello tape signature paid sealing was paper weight pins packets pits safety paper clips paper clip jen blotting paper nipper ticket ink violet files folders cycles and writing materials ink pen pencils ball pens refills. |
| 8334 | Rubber blocks and stamps   |
| 8337 | Duplicating and typewriting machine spares etc.  |
| 8338 | Types of composing.  |

**84 – Refractories, glass substitutes ashestes fibre and packing materials**

|      |  |
|------|--|
| 8405 | Fire bricks moderate heat duty.        |
| 8406 | Fire bricks high heat duty.            |
| 8410 | Tiles refractory for electric furnace. |
| 8413 | Fire clay and mortars.                 |
| 8417 | Crucibles and accessories.             |
| 8421 | Mirons of all sizes and types.         |

|      |   |
|------|---|
| 8424 | Glass sheets toughered and laminated.             |
| 8425 | Glass items (other than those covered elsewhere). |

#### **84 – Refractories, glass substitutes asbestos fibre and packing materials (Contd)**

|      |  |
|------|--|
| 8429 | Cork sheets.                                       |
| 8432 | Fererglass products.                               |
| 8436 | Tapes adhesive.                                    |
| 8440 | Adhesive araldite rubber ointing solution feviool. |
| 8445 | Jointing and packing materials.                    |

#### **85 Ball and roller bearings.**

|      |   |
|------|---|
| 8505 | Ball earings of all types.  |
| 8510 | Tirust ball bearing single and double row.  |
| 8515 | Roller bearings of all types spherical self alighning cylindrical taper etc including those mode for rolling stock. |
| 8520 | Needle bearings.  |
| 8525 | Bearing housing balls and rollers steel for bearing.  |
| 8579 | Special bearings not otherwise classified.  |

#### **86 Fire fighting equipments.**

|      |   |
|------|---|
| 8605 | Portable fir extinguishers of all types.  |
| 8610 | Refills for fire extinguishers.   |
| 8615 | Fire fighting equipments complete equipped with petrol engine pumps houses and nozzles. |
| 8616 | Spares for the above.   |
| 8620 | Fire hoses and couplings.   |
| 8625 | Fire fighting bucktets (Sand and water).  |
| 8630 | Hydrants fire.  |
| 8635 | Sirens.   |

#### **90 Raw materials (Ferrous)**

|      |  |
|------|--|
| 9005 | Pig iron all grades.   |
| 9007 | Ferious scrap for melting.                                     |
| 9009 | M.S channels I Beams angles tees.                              |
| 9011 | M.S sections (Flats round bars torsteel squares hexagonal etc) |
| 9013 | M.S plates and sheets.   |
| 9015 | Tin plates strips hoops and sheets.                            |
| 9017 | Spring steel wires.  |
| 9019 | Springs steel rounds volute sections and flats.                |
| 9021 | Tools steel (die block flarts steel HSS etc).                  |
| 9023 | Stainless steel sheets and sections.                           |
| 9025 | Ferro alloys.  |
| 9027 | Blooms stabs billets.  |
| 9029 | Special steel sections.  |
| 9031 | Steel plates and sheets other than mild steel.                 |
| 9033 | MS wires of allgauges.   |
| 9035 | High tetesile wires and rods.                                  |
| 9040 | Steel shots grits and balls.                                   |

**91 - Non-ferrous metals.**

|      |  |
|------|--|
| 9105 | Non-ferrous virgin ingots for melting.                           |
| 9107 | Non-ferrous alloy ingots for meltings.                           |
| 9111 | Non-ferrous scrap for melting.                                   |
| 9113 | Non-ferrous sections.  |
| 9117 | Non-ferrous bars flats squares rounds hexagonal tubes pipes etc. |
| 9119 | Extrusions aluminum.   |
| 9122 | Non-ferrous sheets plates and wires.                             |
| 9125 | Non-ferrous suitable for springs (Phosphor ,copper, etc).        |