

| Sl. No | Type of Material | Description of Material |
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| 1 | Fasteners (H. T. Fasteners/ M. S. Fasteners/ As per Drg | Hex Nut, Hex Bolt, Hex Screw, Hex Socket Hd Cap Screw, Hex Fit Bolt, F.E. Spring Washer, Boss, Bull Dog Grip, Rivet, Parallel Key |
| 2 | Chain | Short Link Chain, Non Calibrated Weld Chain, Shackle Assly. |
| 3 | Circlip | Internal Circlips, External Circlips |
| 4 | Paints & Thinner | Epoxy Paints, PVC Co Polymer Paints, Synthetic Enamel Paints, Thinner for above |
| 5 | Rubber | Rubber Hoses |
| 6 | | Rubber Items (Oil Seal, O ring, Sevanite Seal, Packing, Gasket, Cord etc) |
| 7 | V- Belt | V Belt A/B/C/D section |
| 8 | Industrial Gases | Liquid Oxygen. Liquid Nitrogen, CO2 Gas, Dissolved Acetylene Gas, Liquid Oxygen |
| 9 | | Liquid Nitrogen, CO2 Gas, Dissolved Acetylene Gas, Liquid Oxygen |
| 10 | Welding Equipment | MIG Welding M/c, Manual Arc Welding M/c, IGBT Welding M/c, Plasma Cutting M/c |
| 11 | Welding Accessories | L H, M S, C I, S S, Al, Bronze, Hard Facing, Carbon Gauging Electrode, CO2 MIG Wire, Flux Cored Wire, Gas Cutting Nozzle, Gas Cutting Torch, Gauging Torch, Wire Feeder, Oxygen & Acetylene Gas Regulator, Cu & Al Welding Cable, Rubber Hoses for oxygen & acetylene, Cu & Al Welding Cable, Rubber Hoses |
| 12 | Chemicals | Barium Chloride, Sulphuric Acid, HCL Acid etc. |
| 13 | Tools | Single Point Tool, Carbide Inserts, Circular Saw, Gear Hob, Different type of Cutter and Spares |
| 14 | Spring | Compression Spring, Other Spring as per Drg. |
| 15 | Hand Tools | Single End spanner, Double End Spanner, Ring Spanner, Crimping Tool, Bench Vice, Hammer etc. |
| 16 | Steel Castings | Steel Castings for Excavators, Drag Line, Steel & Mining spares, Cranes comprising of Grades - CS 280-520W IS:1030-98, CS Gr-1 IS:2707-96, CS Gr2 IS:2707-96, CS 640 IS:2644-79, 40 Cr1 Cast HMBP, 40 Cr4 Cast HMBP, 45 C8 IS:2004-91 etc |
| 17 | Iron Castings | Iron Castings for Excavators, Drag Line, Steel & Mining spares, Cranes comprising of Grades - FG-260 IS:210-93, FG-220 IS:210-93, FG200 IS:210-93, Grey C.I.-150 IS:210-09 etc. |
| 18 | Steel Forgings | Steel Forgings for Excavators, Drag Line, Steel Spares (Grate Bars), Cranes (Wheels, Pinions, Rims etc) comprising of Grades - 65C6, 40Ni6Cr4Mo3 IS:4367-91, En24 BS:970, AISI-430 or X07Cr17 IS:1570P (5)-85, En25 BS:970 etc. |
| 19 | Sub Assemblies | Sub Assemblies for Excavators having combination of Castings / Forgings/ Plates/ Rounds /Rolled Stocks like Boom Hoist Winch, Hoist Brakes, Swing Motor Brakes, Travel Mechanism Brakes, Dipper Trip, Tie Rods etc, |
| 20 | Steel Fabrications | Steel Fabrications for Excavators (Machinery housing, Filter units etc), Cranes (Girders, Trolley Frames, Crane Bridges & Trolleys, Rope Drums) manufactured with Steel Plates of different thicknesses supplied by SAIL, RINL, TISCO, ESSAR, JINDAL, ISPAT etc. conforming to BIS standards. |
| 21 | Equipments & Cranes for Steel Plants | Complete Equipments and Cranes like Gear Couplings, Cable Cars, Cabins, Transfer Cars, Semi Gantry Cranes, Single Girder Cranes, Under Slung Cranes of various capacities |
| 22 | Teeth Cutting and Machining Assistance | Teeth Cutting assistance for Gears and Pinions of various modules and diameters, Machining assistance for various operations- Lathe, Milling, Boring, Grinding etc. by Ancillary Units of HEC. |
| 23 | Procurement of Machines/Equipments Under CAPEX | Procurement undergoing for CNC Plano-Milling, CNC- Horizontal Boring, CNC-VTB, 3 Roll Plate Bending Machine for respective User Shops in HMBP |
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| 25 | Electricals for cranes | VFD Panels (Isolator Panels, Protective Panels, Inverters) , Emergency corner switch, Anticollision devise, Arm chair Unit, Currnt collector, Lighting transformer, Encoder, Lighting distribution panels, UPS, Trminal box, Junction Box, Drive motors, erection accessories, Radio Remote control, Cable carrier system, LAN system, Laptop computers, special tool tackles, Fire extinguishers, enginner tool boxes. PLC system Etc. |
| 26 | Electricals for cranes | DSL System (Rail, Brackates, Stiffner Plates, Copper straps, Cable ties, Cable lugs, Cable glands, Insulator assly, earthing arrangement, Expension joint, Isolator Panels, Emergency lighting panels, Cable tray, Lamp Etc). |
| 27 | Electricals for cranes | Lifting magenets (Magnets & batteries) |
| 28 | Electricals for cranes | Cable reeling Drum (As per Hec drawings) |
| 29 | Electricals for cranes | Weighing system |
| 30 | Electricals for cranes | I- Beam festoon system |
| 31 | Steel Material | Round & Square (C45, C20, ST42W, C38), |
| 32 | Steel Material | Alloy Steel Round (40Ni6Cr4Mo3, 40Cr4Mo3, 21 Cr4Mo2, 21 Cr4Mo2, 15 Ni |
| 33 | Steel Material | Non ferrous Alloys (CuZn40, Brass) |
| 34 | Steel Material | Stainless Steel Plates (07Cr19Ni9Ti35, AISI 304) |
| 35 | Steel Material | Plates (E-250B or Fe410WB, E-350B or Fe490WB) |
| #REF! | Steel Material | T1 Plates (T-1 Steel Gr-B, ASTM- A 514) |
| #REF! | Steel Material | Slab (E-250B or Fe410WB and E-350B Or Fe490WB) |
| #REF! | Steel Material | Suspension Rope (Steel) |
| #REF! | Steel Material | Hoist Rope (Steel) |
| #REF! | Steel Material | Crowd Rope (Steel) |
| #REF! | Steel Material | Retract Rope (Steel) |
| #REF! | Steel Material | Dipper Trip Rope Wire- Steel Wire Rope dia13, Fibre core Right Regular Lay, Preformed, Improved Plow Steel, Ends tapered, L = 16000, construction 6 x 37 (18/12/6/1), ungalvanised, quality 1770 N/mm ² , nominal braking strength 79 KN (Steel) |
| #REF! | Steel Material | Pipe Fittings (Steel, Gun metal, Malleable Cast Iron) |
| 50 | Paper | A4 Paper, Computer Paper 15X12X1, 11X8X1,15X12X2,11X8X2,15X12X3,11X8X3 |
| 51 | Medical Division | Gauge , Cotton , Medicines , Pathological items, surgical items |
| 52 | Computer | Desktop , Laptop |
| 53 | Office use | Office use : File cover with Logo |
| 54 | Office use | Different types of Forms : All are as per requirement |
| 55 | Office use | Cartridge for Printer – different make and no |
| 56 | Shoes | Shoes : Leather shoes with steel toe for shop floor, Derby shoe for Driver |
| 57 | Hand Glove | Leather +Cotton for regular shop floor use, Heat resistance asbestos gloves & aprons of HT |
| 58 | Clothing accessores | Blue drill cloth for shop floor employees . White dress for drivers, Lubricants |
| 59 | Lubricants | Lubricants : All types –SS 46,68,32, Grease-EP-2, MP Grease, Servomesh 150,Servomesh 220, Servomesh 320 for Cranes |
| 60 | Motors | HT Motors , LT Motors , AC Motors , DC motors, Crowd Motors , Hoist Motors, Induction Motors, Slipping Motors |
| 61 | Cables & wires | Trailing cable, PVC cable, Power cables, Aluminium Cable , Control cables, Screen cable, Winding wires, XLPE cables, armoured cables , Nicrome resistaneec heating wires |
| 62 | Transformers | Power Transformers , Current Transformer, Voltage Transformer, Earthing Transformers, Control transformers |
| 63 | Drives | AC Drives, Dc drives, VVF Drives ,VVVF Drives , Thyristor Drives , analog drives, digital drives |
| 64 | Electrical Spares | MCB, MCCB, Air Break Contactors , RCCB, Thermal over load Relay, Contactors, Silicon Diodes, Vaccum Contactors, capacitors , HRC Fuses , cabon brushes, Cable drag chain for machine tools etc |
| 65 | Insulators based equipments | Isolaters , Low Voltage current Collector, Propell Collectors , Suppoer Insulators , Insulation barriers |
| 66 | Light fittings | HPSV lamps , LED Lamps , hand lamp, Signal lamp , Indicating lamps, sockets , High bay light fittings , Street lights etc |

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| 67 | Switches | Magnetic Proximity limit switch, Rotary Limit switch , Geared Limit Switch , Spindle limit switch , Push Button switch , Zero speed switch , Emergency switch, Pull cord switch etc |
| 68 | Panels | PLC systems panels , Control Panels, RMC panel, Enclosures |
| 69 | Fittings | Conduit fittings, Flexible conduits, Lugs, Glands, GI strip, Cable marker, Ferrules , PVC tape, Fibre Glass Tape |
| 70 | Sensors based devices | Vibration Monitirng System, Ultrasonic Sensors, Anti-collision devices ,Liquid Rotor Starter , Temperute scanners |
| 71 | DSL Sytems & components | Cable Tray, DSI Supprting Intermediate Bracket , Sanctionising Brackets , Bus bars , Trolly Line expansion joints, Steel & copper straps etc |
| 72 | Others eletrical equipment & items | Tacho-generator , Automatic fire detection & suppression system, Telephone System, Axial Flow fans , Blower, UPS, Resitance Boxes, master Controllers, Time delay relays, Hooters, Buzzers , Encoders , Jointing kits, Current limiting blocks, weighing system |
| 73 | Brakes | DCEM Brakes, DC Shunt Brakes , Brake with rectifier panels for individual& simultaneous operations, Drum brakes |
| 74 | Electrical Measuring & Testing equipments | Ammeters, Volt meters, Frequency Meters, Multimeters, Low resistance ohm Meters, Electronic Energy Meters, Digital meters |
| 75 | Bearings | Cylindrical Roller Bearing |
| 76 | Bearings | Deep Groove Ball Bearing |
| 77 | Bearings | Double row angular contact ball Bearing |
| 78 | Bearings | Double row Cyl. Roller Bearing |
| 79 | Bearings | Double row radial ball Bearing |
| 80 | Bearings | Double row radial self aligning ball Bearing |
| 81 | Bearings | Double row self aligning roller Bearing |
| 82 | Bearings | Double row self aligning roller Bearing |
| 83 | Bearings | Double row spherical roller Bearing |
| 84 | Bearings | Double row taper roller Bearing |
| 85 | Bearings | Glycodur Bush |
| 86 | Bearings | Hvy. Duty Needle Roller Bearing |
| 87 | Bearings | Needle Bearing |
| 88 | Bearings | Radial Roller Bearing with short cylindrical Rollers Size |
| 89 | Bearings | Self aligning double row spherical roller Bearing |
| 90 | Bearings | Single row angular contact ball Bearing |
| 91 | Bearings | Single row ball Bearing |
| 92 | Bearings | Single row ball thrust Bearing |
| 93 | Bearings | Single row cylindrical roller Bearing |
| 94 | Bearings | Single row deep groove ball Bearing |
| 95 | Bearings | Single row radial ball Bearing |
| 96 | Bearings | Single row radial needle Bearing |
| 97 | Bearings | Single row roller Bearing |
| 98 | Bearings | Single Row Taper Roller Bearing |
| 99 | Bearings | Single Row Thrust Ball Bearing |
| 100 | Bearings | Spherical roller Bearing |
| 101 | Bearings | Spherical roller thrust Bearing |
| 102 | Bearings | Spherical plane Bearing |
| 103 | Bearings | Support roller |
| 104 | Bearings | Taper Roller Bearing |
| 105 | Bearings | Thrust Ball Bearing |
| 106 | Bearings | Bearing Housing |
| 107 | Bearings | Lock Washer |
| 108 | Bearings | Lock Nut |
| 109 | Machineware Items | Drag Chain |
| 110 | Machineware Items | LKB 213 Clutch Assly. |
| 111 | Machineware Items | Rotary seal Assly. |
| 112 | Machineware Items | Disc Assly |
| 113 | Machineware Items | O-Ring |
| 114 | Machineware Items | Air Cleaner Assly. |
| 115 | Machineware Items | Gauge oil sight |
| 116 | Machineware Items | 6.5" Sleeve Bearing |
| 117 | Machineware Items | DUMP BLOCK UNIVERSAL |

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| 118 | Machineware Items | END LINK, DRAG CHAIN |
| 119 | Machineware Items | DUMP ROPE SOCKET |
| 120 | Machineware Items | DRAG SOCKET SHACKLE BUSHING |
| 121 | Machineware Items | HOIST EQUALIZER BAR |
| 122 | Machineware Items | ARCH UNIVERSAL BUSHING |
| 123 | Machineware Items | HOIST ROPE SOCKET PIN |
| 124 | Machineware Items | END LINK BUSHING |
| 125 | Machineware Items | DRAG SOCKET SHACKLE W/ BUSHING |
| 126 | Machineware Items | HITCH SHACKLE |
| 127 | Machineware Items | EQUALIZER SHACKLE |
| 128 | Machineware Items | DUMP EQUALIZER CENTER PIN |
| 129 | Machineware Items | SWIVEL LINK BUSHINGS |
| 130 | Machineware Items | TRUNION LINK BUSHING |
| 131 | Machineware Items | TRUNION LINK W / BUSHING |
| 132 | Machineware Items | ARCH DUMP SOCKET W / BUSHING |
| 133 | Machineware Items | ARCH UNIVERSAL W / BUSHING |
| 134 | Machineware Items | LIP CASTING COMPLETE |
| 135 | Machineware Items | DUMP SOCKET EXTENSION |
| 136 | Machineware Items | HOIST EQUALIZER SHACKLE PIN |
| 137 | Machineware Items | DUMP SOCKET EXTENSION PIN |
| 138 | Machineware Items | DUMP BLOCK ASSEMBLY |
| 139 | Machineware Items | HOOD ANGLE PIN |
| 140 | Machineware Items | DRAG CHAIN (3LK23SPEC) |
| 141 | Machineware Items | HOIST CHAIN, BOTTOM |
| 142 | Machineware Items | HOIST CHAIN, TOP |
| 143 | Machineware Items | HOOD ANGLE |
| 144 | Machineware Items | DRAG EXTENSION SHACKLE BUSHING |
| 145 | Machineware Items | ARCH DUMP SOCKET BUSHING |
| 146 | Machineware Items | HANGER BRACKET |
| 147 | Machineware Items | HOIST EQUALIZER BAR |
| 148 | Machineware Items | ARCH UNIVERSAL BUSHING |
| 149 | Machineware Items | HOIST ROPE SOCKET PIN |
| 150 | Machineware Items | DRAG SOCKET SHACKLE W/ BUSHING |
| 151 | Machineware Items | EQUALIZER SHACKLE |
| 152 | Machineware Items | TRUNION END |
| 153 | Machineware Items | TRUNION LINK BUSHING |
| 154 | Machineware Items | SWIVEL LINK W/ BUSHINGS |
| 155 | Machineware Items | ARCH DUMP SOCKET W/ BUSHING |
| 156 | Machineware Items | ARCH UNIVERSAL W/ BUSHING |
| 157 | Machineware Items | DRAG ROPE SOCKET W/WEDGE & BUSHING |
| 158 | Machineware Items | HOIST EQUALIZER SHACKLE |
| 159 | Machineware Items | ROLLER BEARING COMPLETE |
| 160 | Machineware Items | DUMP BLOCK COMPLETE |
| 161 | Machineware Items | DUMP BLOCK SHEAVE & HOUSING ASSEMBLY |
| 162 | Machineware Items | SPREADER BAR |
| 163 | Machineware Items | SPREADER BAR END |
| 164 | Machineware Items | EQUALIZER CHAIN (11/18/98) |
| 165 | Machineware Items | DRAG CHAIN (3LK23SPEC) |
| 166 | Machineware Items | HOIST CHAIN, BOTTOM |
| 167 | Machineware Items | HOIST CHAIN, TOP |
| 168 | Machineware Items | HOOD ANGLE |
| 169 | Machineware Items | Diaphragm |
| 170 | Machineware Items | Four stroke Turbo charged Diesel engine |
| 171 | Machineware Items | Pressure switch |
| 172 | Machineware Items | valve Main check valve |
| 173 | Machineware Items | control valve R1 |
| 174 | Machineware Items | Thermostat OP7 |
| 175 | Machineware Items | Hoist & Drag Motor Coupling |

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| 176 | Machineware Items | Plasma torch with cable |
| 177 | Machineware Items | M/c cutting torch |
| 178 | Items related to Machine Tool | Rack and pinion |
| 179 | Items related to Machine Tool | Spring Clamping cylinder |
| 180 | Items related to Machine Tool | BTA toolings |
| 181 | Items related to Machine Tool | Four Jaw Chuck |
| 182 | Items related to Machine Tool | CNC System |
| 183 | Items related to Machine Tool | Cotton Waste |
| 184 | Items related to Machine Tool | Laminated Sheets |
| 185 | Items related to Machine Tool | Bimetal Band Saw Blade |
| 186 | Items related to Machine Tool | Valve Sling Ring |
| 187 | Items related to Machine Tool | Hydraulic Jack |
| 188 | Items related to Forging & Foundary Machines | Pig Iron |
| 189 | Items related to Forging & Foundary Machines | Steel Scrap |
| 190 | Items related to Forging & Foundary Machines | Ferro Silicon (Lumps & Powder) |
| 191 | Items related to Forging & Foundary Machines | Nickel |
| 192 | Items related to Forging & Foundary Machines | Ferro Chrome (H.C. & L.C.) |
| 193 | Items related to Forging & Foundary Machines | Ferro Mangnese |
| 194 | Items related to Forging & Foundary Machines | Ferro Molybdenum/Moly Oxide |
| 195 | Items related to Forging & Foundary Machines | Silico Manganese |
| 196 | Items related to Forging & Foundary Machines | Ferro Titanium |
| 197 | Items related to Forging & Foundary Machines | Ferro Vanadium (Normal & L.P.) |
| 198 | Items related to Forging & Foundary Machines | Iron Ore |
| 199 | Items related to Forging & Foundary Machines | Ferro Si. Mag. Alloy |
| 200 | Items related to Forging & Foundary Machines | Fluorspar |
| 201 | Items related to Forging & Foundary Machines | Chromium Metal / Metallic Chrome |
| 202 | Items related to Forging & Foundary Machines | Calcium Silicide |
| 203 | Items related to Forging & Foundary Machines | Steel Shots |
| 204 | Items related to Forging & Foundary Machines | Misc.(Mill Board, Asbestor Rope etc.) |
| 205 | Items related to Forging & Foundary Machines | Alloy Steel (Rolled Stock) |
| 206 | Items related to Forging & Foundary Machines | Rolled Brass/Tin/Al. Bronze/Copper Rod |
| 207 | Items related to Forging & Foundary Machines | Deodar Wood |
| 208 | Items related to Forging & Foundary Machines | Gamhar Wood/Chapu Wood |
| 209 | Items related to Forging & Foundary Machines | Commercial Ply Wood |
| 210 | Items related to Forging & Foundary Machines | Thermocal Slab |
| 211 | Items related to Forging & Foundary Machines | Misc. of Timber |
| 212 | Items related to Forging & Foundary Machines | Copper |
| 213 | Items related to Forging & Foundary Machines | Pure Zinc Ingot |
| 214 | Items related to Forging & Foundary Machines | Aluminium Ingot /Al.Notch bar/Al.Shots |
| 215 | Items related to Forging & Foundary Machines | LM-6 Ingot |
| 216 | Items related to Forging & Foundary Machines | Pure Tin Ingot |
| 217 | Items related to Forging & Foundary Machines | Phosphur Copper Alloy Ingot |
| 218 | Items related to Forging & Foundary Machines | Manganese Metals |
| 219 | Items related to Forging & Foundary Machines | Antimony |
| 220 | Items related to Forging & Foundary Machines | Tin Powder |
| 221 | Items related to Forging & Foundary Machines | Lead Ingot |
| 222 | Items related to Forging & Foundary Machines | Misc. of NFA Group |
| 223 | Items related to Forging & Foundary Machines | M.S. Binding Wire |
| 224 | Items related to Forging & Foundary Machines | Lancing pipe dia 8mm/20 mm |
| 225 | Items related to Forging & Foundary Machines | Transformer Oil |
| 226 | Items related to Forging & Foundary Machines | Lubricants,Quench Oil, Tripnol |
| 227 | Items related to Forging & Foundary Machines | Freon Gas/Mifron Gas |
| 228 | Items related to Forging & Foundary Machines | Argon Gas for lab. /Argon Gas for VAD |
| 229 | Items related to Forging & Foundary Machines | Chemicals for lab./IQC/NDT |
| 230 | Items related to Forging & Foundary Machines | Liquid Ammonia |
| 231 | Items related to Forging & Foundary Machines | Caustic Soda |
| 232 | Items related to Forging & Foundary Machines | Misc.(Acetone, Selica Zel etc.) |
| 233 | Items related to Forging & Foundary Machines | Fettle Arc Copper Electrode |

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| 234 | Items related to Forging & Foundary Machines | C. I. Machinable /C. I. Non Machinable |
| 235 | Items related to Forging & Foundary Machines | Chromo Cord/Chrometherm/Supertherm |
| 236 | Items related to Forging & Foundary Machines | Copper,Aluminium, Brass Sheet |
| 237 | Items related to Forging & Foundary Machines | Silica Sand |
| 238 | Items related to Forging & Foundary Machines | Zircon Sand/Chromite Sand |
| 239 | Items related to Forging & Foundary Machines | Sodium Silicate |
| 240 | Items related to Forging & Foundary Machines | Co2 Gas |
| 241 | Items related to Forging & Foundary Machines | Zircon Paints/Magnestie Paint/Thinner |
| 242 | Items related to Forging & Foundary Machines | Platstic Fire Clay |
| 243 | Items related to Forging & Foundary Machines | Bentonitie Powder |
| 244 | Items related to Forging & Foundary Machines | Dextrine Powder |
| 245 | Items related to Forging & Foundary Machines | Graphite Powder/Graphite Flake |
| 246 | Items related to Forging & Foundary Machines | No Bake Binder Part-A, Part-B, Part-C |
| 247 | Items related to Forging & Foundary Machines | Phenolic Resin & Catalyst |
| 248 | Items related to Forging & Foundary Machines | Core Oil |
| 249 | Items related to Forging & Foundary Machines | Hot Topping for NF Casting (Feedex-3) & Albral |
| 250 | Items related to Forging & Foundary Machines | Insultaing Sleeve |
| 251 | Items related to Forging & Foundary Machines | Kalminex Board/Flexible Board |
| 252 | Items related to Forging & Foundary Machines | Ferrux-707,exothermic compound |
| 253 | Items related to Forging & Foundary Machines | Iron Cement |
| 254 | Items related to Forging & Foundary Machines | Chaplets,Soreplates & Nails |
| 255 | Items related to Forging & Foundary Machines | Gartop-7 |
| 256 | Items related to Forging & Foundary Machines | Collaspsible Agent |
| 257 | Items related to Forging & Foundary Machines | Disc Pin Sampler |
| 258 | Items related to Forging & Foundary Machines | Misc. of SMA Group |
| 259 | Items related to Forging & Foundary Machines | Graphite Electrode dia10", 12" 14" |
| 260 | Items related to Forging & Foundary Machines | Basic Bricks (MGT & MCSC)/Mag C- Bricks |
| 261 | Items related to Forging & Foundary Machines | Roof Set 30 T(B), 30 T (D), 10 T |
| 262 | Items related to Forging & Foundary Machines | Magnesite R. Mass |
| 263 | Items related to Forging & Foundary Machines | Dolopatch |
| 264 | Items related to Forging & Foundary Machines | Burnt Lime |
| 265 | Items related to Forging & Foundary Machines | Lime Stone |
| 266 | Items related to Forging & Foundary Machines | V.A.D. Refractory /Seating Block |
| 267 | Items related to Forging & Foundary Machines | Pouring Ref.(Sleeves, Knee,etc.) |
| 268 | Items related to Forging & Foundary Machines | Stopper Sleeves |
| 269 | Items related to Forging & Foundary Machines | Bricks (Circle,well, end etc.) |
| 270 | Items related to Forging & Foundary Machines | Bottom Pouring Refr. |
| 271 | Items related to Forging & Foundary Machines | H. A. Nozzles |
| 272 | Items related to Forging & Foundary Machines | Standard & H. A. Ladle Bricks/H.A. Mortar |
| 273 | Items related to Forging & Foundary Machines | Fire Clay Mortar |
| 274 | Items related to Forging & Foundary Machines | Insulating Bricks,C-23/Insultaing Shapoed Bricks |
| 275 | Items related to Forging & Foundary Machines | Split Bricks P2, P3-P4 |
| 276 | Items related to Forging & Foundary Machines | Slide Gate Refr./AM70A,Silica F. Mass, 90 K Mortar |
| 277 | Items related to Forging & Foundary Machines | Porous plug |
| 278 | Items related to Forging & Foundary Machines | Castable Refr. |
| 279 | Items related to Forging & Foundary Machines | Cupola Ramming Mass |
| 280 | Items related to Forging & Foundary Machines | Graphite Stopper Head |
| 281 | Items related to Forging & Foundary Machines | Basic Ramming Mass |
| 282 | Items related to Forging & Foundary Machines | Silica Ramming Mass |
| 283 | Items related to Forging & Foundary Machines | Launder |
| 284 | Items related to Forging & Foundary Machines | G-Series Bricks |
| 285 | Items related to Forging & Foundary Machines | Vermiculite |
| 286 | Items related to Forging & Foundary Machines | Silicon Carbide Crucible |
| 287 | Items related to Forging & Foundary Machines | Ceramic fibre blankets |
| 288 | Items related to Forging & Foundary Machines | Ceramic Cuplock,Stud, Borlner Block |
| 289 | Items related to Forging & Foundary Machines | Heating Element Holder |
| 290 | Items related to Forging & Foundary Machines | Misc.of Refr. Group |
| 291 | Items related to Forging & Foundary Machines | Hard Coke |

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| 292 | Items related to Forging & Foundary Machines | Petroleum Coke |
| 293 | Items related to Forging & Foundary Machines | Graphite Fine |
| 294 | Items related to Forging & Foundary Machines | Metcoke |
| 295 | Items related to Forging & Foundary Machines | Steam Coal/Rubble Coal |
| 296 | Items related to Forging & Foundary Machines | L.P.G. |
| 297 | Items related to Forging & Foundary Machines | Alloy Steel Endless Chain Slings |
| 298 | Items related to Forging & Foundary Machines | Thermocouple Tips |
| 299 | Items related to Forging & Foundary Machines | Asbestots Rope Lagging |
| 300 | Items related to Forging & Foundary Machines | Asbestor Sheet |
| 301 | Items related to Forging & Foundary Machines | R.C. Cup |
| 302 | Items related to Forging & Foundary Machines | Aluminium Oxide |
| 303 | Items related to Forging & Foundary Machines | Alkon Paper & Cloth Roll |
| 304 | Items related to Forging & Foundary Machines | BTA system Drill Head |
| 305 | Items related to Forging & Foundary Machines | Phosphoric Acid |
| 306 | Items related to Forging & Foundary Machines | N.C. Aluminium Paint |
| 307 | Items related to Forging & Foundary Machines | Grate bar Frame |
| 308 | Items related to Forging & Foundary Machines | Grate Bar Link |
| 309 | Items related to Forging & Foundary Machines | Leather Cup |
| 310 | Items related to Forging & Foundary Machines | Screw Compressor |
| 311 | Items related to Forging & Foundary Machines | Chain Pully Block |
| 312 | Items related to Forging & Foundary Machines | Conveyer Roller Assembly |
| 313 | Items related to Forging & Foundary Machines | Racer Ball |
| 314 | Items related to Forging & Foundary Machines | Conveyer Belt |
| 315 | Items related to Forging & Foundary Machines | KSB Pump |
| 316 | Items related to Forging & Foundary Machines | Non Ferrous Liner |
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| 318 | Machinewares items | (a)Casnub 25 HL Bogie (25T) (b)Brake Arrangement (For Bogie 25T) (c)Side Buffer,20T (BG) (d)AAR Type 'E'Coupler with draft gear (f) Casnub 22NL & NLB Bogie (g)Brake Arrangement (For Bogie 22.9T) |
| 319 | Machinewares items | Casnub Bogi with Break arragnement for Coke Pusher for Steel Plant |
| 320 | Machinewares items | Slider |
| 321 | Machinewares items | IRS – WA 198 Side Buffer |
| 322 | Machinewares items | AAR Type 'E' Coupler |
| 323 | Machinewares items | GBM Coupling No.110 |
| 324 | Machinewares items | Vibrator Motor |
| 325 | Machinewares items | Electromechanical Actuator |
| 326 | Machinewares items | a) Hydraulic Power Pack with Hyd. Jack, b)Interconnecting Piping for installation of Hyd. Jack & Hyd. Power Pack for tramp release, for Cone Crusher |
| 327 | Machinewares items | Centralised Lubrication System for 5 Cu.M |
| 328 | Machinewares items | 1) Double Line Manual Grease Pump 2) Manual Grease Transfer Pump 3) Grease Line Filter, 3/8" BSPT 4) Dose Feeder, DF – 42 |
| 329 | Machinewares items | Hydraulic Cylinder, Bore - 160, Stroke - 370 |
| 330 | Machinewares items | a) Air Filter regulator b) Solenoid Air Valve c) Air Pressure Switch d) Pressure Gauge,Range 0 to 150Kg.Sq.cm e) Oil Flow Indicator f) Oil Flow Switch g) Level Indicator h) Pressure Gauge,Range 0 to 300psi. - |
| 331 | Machinewares items | Light Wt. Hydraulic Jack,50T(Aluminium |
| 332 | Machinewares items | Light Wt. Hydraulic Jack,10T(Aluminium |

| | | | |
|-----|--------------------|--|---------------------------------------|
| 333 | Machinewares items | a) Manual Grease Gun, Cap.500Cu.cm c) Manual Grease Gun, Cap.400 cc d) Grease Gun, Cap. 400 cc | b) Oil Barrel Transfer Pump |
| 334 | Machinewares items | a) Measuring Valve, DDU – 4 (b) Measuring Valve, DDU – 6 (c) Measuring Valve,DDU – 8 (d) Solenoid Valve (e) Air Filter Ragulator (f) Air Pressure Switch (g) Lub.Pump repair Kit (h) Lub.Motor Kit (j) Manual Grease Gun, Cap.400 cc For 10 Cum Excv | i) Manual Grease Gun, Cap.500Cu.cm |
| 335 | Machinewares items | Hydraulic Cylinder,Dia 80/56, Stroke 120 | |
| 336 | Machinewares items | Bush Bearing (Castlon) | |
| 337 | Machinewares items | Geared Motor,2 HP | |
| 338 | Machinewares items | Air Cylinder as per HEC Drg | |
| 339 | Machinewares items | Hydraulic Jack-100T, HEC Drg | |
| 340 | Machinewares items | Hydraulic Jack-100T,HEC Drg. | |
| 341 | Machinewares items | GBM Resilient Coupling | |
| 342 | Machinewares items | a) Manual Grease Transfer Pump b) Double Line Manual Grease Pump c) Dose Feeder,DF – 42 d) Line Filter for Grease | |
| 343 | Machinewares items | different Types of Gear Box for UT Cranes of different capacity, 5CuM Excv.,10CuM Excv.,Dragline and other Steel Plant Equipment. | |
| 344 | Machinewares items | Friction Disc | |
| 345 | Machinewares items | Reciprocation Air Compressor & single stage Electric Screw Air Compressor . | |
| 346 | Machinewares items | Hydraulic Pump Motor Assemblies of different capacities. | |
| 347 | Machinewares items | Suction Strainer of different Capacities | |
| 348 | Machinewares items | Motorised Grease Station & Motorsed CGL System for slew bearings of different capacities | |
| 349 | Machinewares items | Resilient Coupling with brake wheel and axially split cover and Gear Coupling of travel as per HEC requirment. | |
| 350 | Machinewares items | Hydraulic Power Unit for Wagon Tippler as per HEC drawing | |
| 351 | Machinewares items | Button & Conical Head Grease Nipple of different types | |
| 352 | Machinewares items | Dished bottom (130 T Converter Vessel) as per Drg. | |
| 353 | Machinewares items | Hydraulic System as per HEC requirement. | |
| 354 | Machinewares items | Self Cleaning Disc type Filter as per HEC requirment. | |
| 355 | Machinewares items | Dust suppression system for Wagon Tippler as per HEC requirment. | |
| 356 | Machinewares items | Tyre flex Coupling As per HEC requirment. | |
| 357 | Machinewares items | 10.5 KW Air Conditioner unit for Cranes. | |
| 358 | Machinewares items | Self Contained Hydraulic Buffers of different types. | |
| 359 | Machinewares items | Drum Coupling as per HEC Drg. | |
| 360 | Machinewares items | Air Conditioner (Capacity-10.5,18.24, 8,12,13KW); | |
| 361 | Machinewares items | LT Track Lubrication System for Crane as per Drg. No. 4301.73.765. | |
| 362 | Machinewares items | Rothe Erde Ball Bearing Slewing Ring as per Drawing No.081.35.4230.000.00.1503, HEC Drg. No. 3200.01.535. | |
| 363 | Machinewares items | Drum Coupling of different sizes as per HEC requirment (Torque range vairaing from 5000 Nm to 745000 Nm and size from 160mm to 6200mm in different bore sizes). | |