

**LIST OF ITEMS BEING PROCURED FROM MSEs**

**MSE Manufacturers of these items may visit vendor registration page for registration , if not already registered with the company**

<b>SL. NO</b>	<b>TYPE OF ITEM</b>
<b>1.</b>	<b>CASTINGS &amp; FORGINGS</b>
1.1	S.G.C.I. CASTINGS
1.2	C.I. CASTINGS
1.3	STEEL CASTINGS
1.4	INVESTMENT CASTINGS
1.5	NON FERROUS CASTINGS
1.6	LINERS ( FOR COMPRESSORS )
1.7	FORGINGS
1.8	FLANGES
<b>2.</b>	<b>RAW MATERIALS</b>
2.1	STRUCTURALS
2.2	C.S. PIPES
2.3	S.S. PIPES & TUBES
2.4	S.S. WELDED TUBES
2.5	STEEL PLATES & SHEETS
2.6	ROLLED BARS
2.7	SHEETS/ BRASS/ COPPER TUBES/ ROLLED STEEL BRASS (IN SMALL ONLY)
<b>3.</b>	<b>MECHANICAL SEALS GROUP</b>
3.1	MECHANICAL SEALS
3.2	FLUSHING PLANS
<b>4.</b>	<b>ELECTRICALS</b>
4.1	VARIABLE FREQUENCY DRIVES
4.2	ELECTRIC MOTORS
4.3	MISC. ELECTRICALS ITEMS
4.4	ATS PANEL
4.5	SOFT STARTER PANEL
4.6	ELECTRIC HEATERS
4.7	POWER CABLES
4.8	PUSH BUTTON STATION
4.9	LOCAL CONTROL STATION
4.10	CABLE LUGS / MARKER FERRULES

<b>5.</b>	<b>INSTRUMENTATION GROUP</b>
5.1	PRESSURE GAUGES
5.2	MUD PRESSURE GAUGES
5.3	DIFFERENTIAL PRESS. GAUGES
5.4	LEVEL GAUGES
5.5	TEMPERATURE GAUGE WITH THERMOWELL
5.6	PRESSURE /D.P. SWITCHES
5.7	VIBRATION SWITCHES
5.8	LEVEL SWITCHES
5.9	FLOW SWITCHES
5.10	PRESS./DP/TEMP. TRANSMITTERS
5.11	LEVEL TRANSMITTERS
5.12	RTD/THERMOCOUPLES
5.13	PANEL MOUNTED RECEIVER INDICATORS/ CONTROLLERS/RECORDERS
5.14	TEMPERATURE SCANNERS
5.15	ROTAMETERS
5.16	ROTAMETERS WITH FLOW TRANSMISSION
5.17	AIR FILTERS CUM REGULATORS
5.18	SAFETY / THERMAL RELIEF VALVES
5.19	SOLENOID VALVES
5.20	CONTROL VALVES
5.21	CABLES TRAYS
5.22	JUNCTION BOX & CABLES GLANDS
5.23	INSTRUMENTATION CABLES
5.24	CONTROL PANEL (CUBICAL TYPE)
<b>6.</b>	<b>BOUGHT OUT FINISHED COMPONENTS</b>
6.1	GEAR BOXES
6.2	COUPLINGS
6.3	HYDRODYNAMIC BEARINGS
6.4	ANTI FRICTION BEARINGS (BALL / NEEDLE)
6.5	BALL BEARINGS (SMALL)
6.6	CHAINS / SPROCKETS
6.7	LUB OIL PUMPS
6.8	COOLING WATER PUMPS /

	CENTRIFUGAL PUMPS
6.9	DEMISTER PAD
6.10	AUTO DRAINERS
<b>7.</b>	<b>VALVES GROUP</b>
7.1	CYLINDER VALVES & NON RETURN VALVES
7.2	VALVES(GATE/GLOBE/CHECK NEEDLE )
7.3	CONSOLE(LUBE OIL/WATER)
7.4	LEAK OFF VALVE A.R.C. VALVE
7.5	CRANK CASE EXPLOSION RELIEF VALVE
<b>8.</b>	<b>HARDWARE GROUP</b>
8.1	SCREWS
8.2	NUTS AND BOLTS
8.3	STUDS
8.4	CIRCLIPS
8.5	SPRINGS
<b>9</b>	<b>PIPE &amp; TUBE FITTINGS</b>
9.1	ELBOW/TEE/UNION/HALF COUPLING / NIPPLES , ETC
9.2	WELDOLET/THREDOLET
9.3	TUBE FITTINGS (BRASS & STAINLESS STEEL)
<b>10.</b>	<b>SEALING RINGS / GASKETS/MISCELANEOUS ITEMS</b>
10.1	PISTON RINGS/SEAL RINGS/RIDER RINGS
10.2	CARBON RINGS, BELLOWS, VALVE SPRINGS, VALVE RINGS, MAGNETS ETC.
10.3	GASKETS
10.4	VALVE UNLOADERS
10.5	STANDARD TOOLS
10.6	PLUNGER PACKINGS
10.7	NAME PLATE
10.8	SHIM PLATES
10.9	`O' RINGS / OIL SEALS
10.10	HOSE ASSEMBLY
10.11	CYCLONE NOZZLE

10.12	CAF JOINING/ACRYLIC SHEET ETC.
10.13	MAGNET
10.14	GLASSWOOL
10.15	V-BELT
<b>11.</b>	<b>PRESSURE VESSELS/HEAT EXCHANGERS GROUP</b>
11.1	PRESS. VESSELS/SEPERATORS/VOLUME BOTTLES
11.2	SHELL & TUBE TYPE HEAT EXCHANGERS
11.3	AIR AND WATER COOLERS
<b>12.</b>	<b>DAMPENERS &amp; LUBRICATORS GROUP</b>
12.1	DAMPENERS
12.2	PULSATION DAMPENERS/ REPAIR KIT/ CHARGING BLADDER
12.3	LUBRICATORS (IMPORTED)
12.4	LUBRICATORS (INDIGENOUS)
<b>13.</b>	<b>FILTERS / STRAINERS</b>
13.1	FILTERS (SIMPLEX/DUPLEX TYPE)
13.2	STRAINERS (T-TYPE, CONICAL TYPE, OIL SUCTN. TYPE)
13.3	AIR/GAS FILTERS
<b>14.</b>	<b>GAS/ DIESEL ENGINE GROUP/ STEAM TURBINE</b>
14.1	GAS/ DIESEL ENGINE
14.2	STREAM TURBINE
<b>15.</b>	<b>ITEMS FOR GAS CYLINDERS</b>
15.1	SEAMLESS STEEL TUBES
15.2	RAW MATERIALS – ANGLE/ BEAM/ CHANNEL ETC.
15.3	RAW MATERIALS – 6 MM PLT., 4.1 MM SHEET/ LPG SHEET
15.4	INDUSTRIAL GAS CYLINDER VALVES
15.5	NECK RING CASTING FOR HPI CYLDS
15.6	FUSIBLE PLUGS

<b>16.</b>	<b>OUT SOURCING JOB</b>
15.1	GEAR CUTTING
15.2	FABRICATION
15.3	MACHINING JOBS
15.4	HEAT TREATMENT PROCESS
15.5	ELECTROLYTIC PROCESS
15.6	SAND BLASTING & ZINC METALLIZING
15.7	HOT DIP GALVANIZING
15.8	WHITE METALLIZING PROCESS
15.9	THERMAL INSULATION
<b>16.</b>	<b>NON PRODUCTION ITEMS</b>
16.1	PAINTS
16.2	ELECTRODES
16.3	GASES (OXYGEN, D.A., NITROGEN, HELIUM ETC. )
16.4	LDO / HSD / LUBRICANTS
16.5	STATIONARY ITEMS
16.5	WELDING ACCESSORIES
16.7	SAFETY ITEMS (HELMET/GOGGLES,ETC)
16.8	CONSTRUCTION ITEMS
16.9	SAFETY SHOES
16.10	UNIFORM (LADIES + GENTS)