

**MACHINE TOOLS DIVISION, BANGALORE COMPLEX**

<b>Major Group/Categories of Items Generally Purchased</b>			
<b>SN</b>	<b>Group</b>	<b>Category/Item</b>	<b>Pre-Qualification Criteria</b>
1	<b>Standard Parts</b>	<p>UKF Bearings, Timken Spindle Bearings, Gamet Spindle Bearings, Class Spindle Bearings, Industrial Bearings, Needle Bearings, Ballscrew support Bearings, Spieth Bearings, Frigoflex, Bushes, Spline Bushes</p> <p>Power Packs, Hydraulic Elements, Direction Control Valves, Piston Pumps &amp; HCL Pumps, Pressure Gauges</p> <p>“V” Belts, Flat Belts, Timing Belts, Magnetic Filters, Fasteners,</p> <p>Ballscrews, Sealing Elements, Accumulated Nitrogen Bottles, Clutch Plates, Guideway Covers, Bellows, Hinges, Spiral Bevel Gears, Hydraulic Fittings, Throttle Valves, Honed Cylinders, Hoses for Hydraulic Lubrication, Lubrication Units &amp; Elements</p> <p>Chains, Springs, Name Plates, Pins, Allen Keys, Panel Locks, Magnetic Rods, Insulation Pins &amp; Washers, Hydraulic Manifolds, Circlips, Disc Springs, GI, Turcite</p>	<ul style="list-style-type: none"> <li>• Experience and past performance on similar contracts for preceding two years</li> <li>• Capabilities with respect to the person, equipment and manufacturing facilities</li> <li>• Financial standing through latest ITTC, Annual Reports (Balance Sheet &amp; Profit &amp; Loss Account) for the preceding three years</li> <li>• Quantity, delivery and value requirement shall be kept in view while fixing the pre-qualification criteria</li> </ul>
2	<b>Tools</b>	<p>Inserts, ISO Inserts, Turning, Milling &amp; other inserts, Tool Holders</p> <p>Grinding Wheels, Diamond Dressers</p> <p>Drills, Taps, Reamers</p> <p>Planing Tools</p>	
3	<b>Electrical Items</b>	<p>CNC Systems &amp; Drives, PLCs, AC Drives, Motors - 30 kW, 3.6/4.5 kW, K56 Motor 5.5 kW, G17 Stator Rotor, Linear Encoders, Rotary Encoders, Couplings, Heidenhein Scales, A/Cs – 1300K cal &amp; 900 cal, Cabinet Boxes, Halogen Lamps, Cables- Multicore, single core, MCBs, Contactors, Relays, Switches, Push Buttons, lcs, Resistors, Capacitors, PCBs</p>	

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4	<b>Raw Materials Items</b>	<p><b><u>Carbon &amp; Alloy Steels</u></b>  C1 Rounds ranging from dia. 30 mm to dia. 340 mm.  C1R Rounds ranging from dia. 80 mm to dia. 380 mm  C2R, C3R Rounds ranging from dia. 21 mm to 430 mm  CF 53N from dia. 28 mm to dia. 195 mm  C2 from dia. 80 mm to dia. 140 mm</p> <p><b><u>Stainless Steel Castings</u></b>  Stainless Steel Castings of Grade 1 – IS 1030</p> <p><b><u>Non-Ferrous Castings</u></b>  B3, B4, B5, B6T, B8 and Aluminium Bronze Castings  Aluminium Alloys – Al 6061 T6, Al 7075 T6</p> <p><b><u>Stainless Steel Rounds</u></b>  SS 17.4ph, SS 410, SS 304</p> <p><b><u>Accessories</u></b>  Chucks, IG Spindle, Magnetic Filters, Oil Coolers, Filtration Systems</p> <p><b><u>Foundry Items</u></b>  Pig Iron, MS Scrap, No Bake Powder, Sand, Bentonite Powder, Ferrous Silicon</p>	<ul style="list-style-type: none"> <li>• Experience and past performance on similar contracts for preceding two years</li> <li>• Capabilities with respect to the person, equipment and manufacturing facilities</li> <li>• Financial standing through latest ITTC, Annual Reports (Balance Sheet &amp; Profit &amp; Loss Account) for the preceding three years</li> <li>• Quantity, delivery and value requirement shall be kept in view while fixing the pre-qualification criteria</li> </ul>