

MACHINED COMPONENTS (GROUP -IV)						
Sl no.	Nomenclature & drawing No.	Manufacturing technology & Testing / Inspection Facilities required to produce the item	Must be possessed by the vendor in his premises (P&M list and testing / inspection equipment list to be submitted)	May be possessed by the vendor in his premises or out sourced (Self declaration to be submitted)	FIRM Compliance (Y/N)	Remarks
1	Components as per enclosed list of Machined Components (Group IV) <i>Total items = 47 Nos.</i>	<p>TECHNOLOGY-1</p> <p>Turning</p> <p>Milling & Drilling</p> <p>Gear Hobbing</p> <p>Gear Shaping</p> <p>Hardening & Tempering</p> <p>Protection coating</p> <p>Raw material</p> <p>TECHNOLOGY-3</p> <p>TECHNOLOGY-4</p>	<p>CNC Turning dia 600mm suitable to accommodate component of diameter in the range of dia 250 to 600mm with 0.010mm accuracy</p> <p>HMC and/or VMC suitable to the components upto the size 630mm diameter with 0.010 accuracy</p>	<p>Gear Hobbing of Mod 3 x cutting $\phi 400$ with gear cutting accuracy of class of Din 7 or better accuracy</p> <p>Gear Shaping of Mod 5 with gear cutting accuracy of class of Din 7 or better accuracy.</p> <p>Hardening & Tempering furnace with Oil quenching facility</p> <p>Oxidising Plant</p> <p>Firm should be capable to arrange the raw material like Forging, Casting, Bar material etc as per drawing specification and standard.</p>		


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1	Components as per enclosed list of Machined Components (Group IV)	TEST / INSPECTION-1	3D CMM	3D CMM 500 x 500mm.		
			Gear Profile Tester		Gear Profile Tester (Max module 5)	
		Surface Roughness Tester	Surface Roughness Tester for Ra & Rz values			
		Gauges	Standard Gauges for checking Holes and threads suitable to the requirement of the components. Firm should submit the undertaking in this regard that they will create the facilities within 6 months from the date of receipt of order.			
		Measuring Instruments	Gear Teeth Micrometer, Vernier Caliper, Groove Vernier, Radius gauge, Feeler Gauge etc. suitable to the requirement of the components			
		Hardness measurement		Brinell / Rockwell Hardness Tester		


Note : Justification for alternate facilities may be shared to prove that alternate facilities can be utilised to manufacture the item wherever the facilities are mentioned above are not available, but vendor has alternate facilities.


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