

**SIDE GEAR BOX SUB ASSEMBLY MANUF**

**IG GROUP (GROUP-7)**

SI no.	Nomenclature & drawing No.	Manufacturing technology & Testing / Inspection Facilities required to produce the item	Essential (To be possessed by the vendor in his premises )P&M list and testing / inspection equipment list to be submitted)	Desirable ( May be posses by the vendor in his premises or out sourced)(Self declaration to be submitted)	FIRM Compliance (Y/N)	Remarks
1	172.40.070CB FLANGE REAR RH	Turning	CNC Turning centre suitable to accommodate component of diameter 630mm with 0.010mm accuracy			
2	172.40.071CB FLANGE REAR LH	Milling & Drilling	HMC and/or VMC suitable to the components of size from 100mm diameter to 630mm diameter with 0.010 accuracy			
	(Note: This VQC is applicable if all the above 2 items to be tendered in one batch)	Gear Shaping		Gear Shaping of Mod 6 x cutting ø510 with gear cutting accuracy of class of Din 7 or better accuracy.		
		Internal Grinding		Internal grinding machine to accommodate component 650mm dia with 0.005 accuracy		
		Fabrication	Arc Welding machine Co2 Welding machine Experience in leak proof welding and Pressure testing of welded joints			
		Hardening & Tempering		Hardening & Tempering furnace with Oil quenching facility		
		Hard Chromium		Hard chromium plating plant		
		Protection coating		Oxidising & Phospating Plant, Zinc plating plant		
		Raw material		Firm should be capable to arrange the raw materials like forging, bar material etc as per drawing specification and standard.		

*Subham Bilwan*

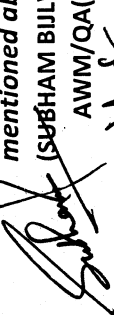
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Sl no.	Nomenclature & drawing No.	Manufacturing technology & Testing / Inspection Facilities required to produce the item	Essential (To be possessed by the vendor in his premises /P&M list and testing / inspection equipment list to be submitted)	Desirable ( May be posses by the vendor in his premises or out sourced)/Self declaration to be submitted)	FIRM Compliance (Y/N)	Remarks
1	172.40.070CB FLANGE REAR RH	Hydraulic type Pressure Testing	Should develop/position Hydraulic type Pressure Test stand and firm should submit the undertaking in this regard at the time of submission of bids that they will create the Hydraulic type Pressure test stand facilities within 6 months from the date of receipt of order			
2	172.40.071CB FLANGE REAR LH					
		TEST / INSPECTION-1		3D CMM 650 x 650mm		
		TEST / INSPECTION-2	Surface Roughness Tester			
		Gauges	Standard Gauges for checking Holes and threads suitable to the requirement of the components			
		Measuring Instruments	Gear Teeth Micrometer, Vernier Caliper, Groove Vernier, Radius gauge, Feeler Gauge etc. suitable to the requirement of the components			
		TEST / INSPECTION-3	Hardness measurement	Brinell Hardness Tester Rockwell Hardness Tester Hardness Case depth testing facility		
		TEST / INSPECTION-4	Coating Measurement	Coat thickness testing facility		


**Notes : 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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