


MACHINED COMPONENTS (GROUP -III)

SI No	Drawing No	Nomenclature
1	54.08.125-5	FAN DRIVE NECK SEAT
2	172.17.004CB	BODY, DRIVE
3	172.27.106	CUP
4	172.27.127-1	FLANGE
5	172.27.168	TIE-ROD
6	172.28.001-2	CASE
7	172.28.004-1	FLANGE
8	172.28.004-3	FLANGE
9	172.28.108-2	HOUSING
10	172.40.045	TRAP OIL
11	172.40.142	HOUSING RING REAR
12	172.40.325	THRUST DISK
13	172.40.339-1	RING
14	172.40.341	FRONT BODY OF RINGS
15	172.40.342	OIL TRAP
16	432.40.128	THRUST DISK
17	432.40.144-2	BODY, RING FRONT
18	432.43.046	BUSHING
19	172.43.024	PACKING COVER
20	172.46.043-2	SUCTION PUMP COVER
21	172.46.050-1	BODY OF DELIVERY PUMP
22	172.46.051-1	DELIVERY PUMP COVER
23	172.46.066	BODY OF LH SUCTION PUMP
24	172.46.077	BODY OF SUCTION PUMP R.H.
25	172.46.087	COVER SUCTION PUMP
26	175.40.009-2	FLANGE
27	175.40.121	DISC THRUST
28	175.41.037	BEARING HOUSING
29	175.41.043	COVER
30	175.41.053	BEARING HOUSING
31	175.41.054	BODY SEAL OIL,ISSUE-6A,
32	175.41.080	BEARING HOUSING
33	175.41.086	UNIVERSAL JOINT YOKE
34	175.41.089	REDUCTION GEAR UNIT YOKE, DRIVEN

MACHINED COMPONENTS (GROUP -III)

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	Components as per enclosed list of Machined Components (Group III) (Note: This VQC is applicable if all the 34 items as per enclosed list is to be tendered in one batch)	TECHNOLOGY-1	Turning	CNC Turning machine suitable to accommodate component upto 200 mm diameter with 0.010mm accuracy			
		TECHNOLOGY-2	Milling & Drilling	HMC/VMC machine as per component requirement with 0.010mm accuracy			
			Grinding	Internal/External Surface grinding machine as per component requirement with 0.010mm accuracy			
			Heat Treatment		Carburising, Hardening, Induction Hardening & Tempering furnace with Oil quenching facility suitable to the components		
		TECHNOLOGY-3	Protection coating		Oxidising, Phosphating, Zinc chromatising, Hard Chromium Plant suitable to the components		
			Raw material		Firm should be capable to arrange the raw material like forging, casting, bar material etc as per drawing specification and standard.		


(SUBHAM BIJLWAN)
 AWM/QA(NF)



(ANIMESH PAIK)
 DGM/TRANS


(K.DURAIRAJ)
 JWM/Trans

DGM/ID
 For L.O. / PA

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	Components as per enclosed list of Machined Components (Group III)	<table border="1"> <tr> <td>TEST / INSPECTION-1</td> <td>3D CMM</td> </tr> <tr> <td></td> <td>Surface Roughness Tester</td> </tr> <tr> <td></td> <td>Gauges</td> </tr> <tr> <td></td> <td>Measuring Instruments</td> </tr> <tr> <td>TEST / INSPECTION-2</td> <td>Hardness measurement</td> </tr> </table>	TEST / INSPECTION-1	3D CMM		Surface Roughness Tester		Gauges		Measuring Instruments	TEST / INSPECTION-2	Hardness measurement	<p>Standard Gauges for checking Holes and threads suitable to the requirement of the components. Firm should submit the undertaking in this regard at the time of submission of bids that they will create the facilities within 6 months from the date of receipt of order.</p> <p>Vernier Caliper, Groove Vernier, Radius gauge, Feeler Gauge etc. suitable to the requirement of the components</p>	<p>3D CMM 300 x 300 mm</p> <p>Surface Roughness Tester for Ra & Rz values</p>		
TEST / INSPECTION-1	3D CMM															
	Surface Roughness Tester															
	Gauges															
	Measuring Instruments															
TEST / INSPECTION-2	Hardness measurement															


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.


(SUBHAM BIJLWAN)
AWM/QA(NF)


AGM/PC


(ANIMESH PAIK)
DGM/TRANS


(K.DURAIRAJ)
JWM/Trans

This is applicable only the 3-4 components are AGM/OA, R&D

AGM/OA
23/11/21

(SUBHAM BIJLWAN)
AWM/QA(NF)

(ANIMESH PAIK)
DGM/TRANS

(K.DURAIRAJ)
JWM/Trans