

TA section letter No. 6005/VQC/TA/FORGING/2023-24 Dt 16/11/2023

Sl.No	Nomenclature and Drg.No.	Manufacturing Technology & Testing/ Inspection facilities required to produce the item	Must be possessed by the Vendor in his own premises (List of Plant and Machinery and Testing /Inspection facility to be submitted)	May be possessed by the Vendor in his own premises or may be Outsourced (Name and Address of sub-contractor ,list of plant and Machinery and Testing /Inspection facility to be submitted)
1)	1) 172.51.021/F Road wheel arm 1,2,6 suspensions LF no 3906411027	Technology 1 Metal Cutting	Band saw or Circular Saw or Shearing machine	
		Technology 2 Metal Heating	Bogie or Batch type Gas fired or Oil Fired or Induction furnace max temperature 1200 deg C	
2)	2) 175.56.001 RH crank LF no 3906416015	Technology 3 Forging, Trimming & piercing	1. Min 5 T capacity Belt drop or Pneumatic or Hydraulic Hammer for preforging and die forging. 2. Trimming using suitable Power press min 250 T capacity	
		Technology 4 Heat Treatment		HT furnaces for normalizing, Hardening/Tempering
		Technology 5 Shot Blasting		shot Blasting facility required to accommodate the size of jobs
		Technology 6 Die		Die manufacturing facility suitable CAD/CAM facility.
		Test/Inspection 1 Fixtures /Gauges/Testing Instruments	Magnetic particle testing facility(Spectrometer, Rockwell BHN, UTM, Impact and Metallographic ultra sound test) Visual Inspection facility Firm has to develop as per Specification/Drawings and have to submit undertaking for the same.	

Note: 1. If the firm is not having the above facility and able to make components with alternate methods, the details of methods to be submitted during participation in Tender for validation and acceptance, if found suitable.

2. Facilities must be available with vendor own premises including facilities available with sister/parent concern/strategic partners.

3. Firm should give undertaking that they will develop all the testing facility as per QA/Ty if they get order.


JWM/QA(ML)
(B.CHIRANJEEVULU)


JWM/FS
(S.SATHYAVELAN)


JTGM/CA, TRG, FS
(ANIMESH PAIK)