

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	TRACK ASSY 172.55-010CB-1CB LF.6201055003	Technology 1 Metal Cutting Technology 2 Forging Technology 4 Heat treatment Technology 5 Shot Blasting Technology 6 Rubberisation Technology 7 Burnishing Technology 8 Electro Plating Technology 9 Machining	Band saw or circular saw to cut min 90 mm dia. Belt drop or Pneumatic or Hydraulic hammer min.1T capacity or power press min 100T capacity. Bogie or Batch type Gas fired or oil fired or Induction Furnace for heating the job upto temperature 1240 degC Facility for Normalizing and Isothermal Hardening in salt bath furnace for temperatures up to 910 deg C as per Drawing and Specification. Shot blasting facility	Magnetic and ultrasonic crack detection testing facility for all 4 types of Forgings.(172.55.012/f, 172.55.013/f, 172.55.025/f and 219.35.126/f) Hardness testing, mechanical, chemical and metallurgical properties testing facility. Rubberisation with suitable testing facility like Tensile testing, Percentage of elongation, Shore hardness, Density, endurance test etc or specify MOU with HVF approved sources Minimum Capacity is 30 mm roll Hardening Cadmium Plating, Chromatizing or zinc plating.

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		3) Thread rolling facility. 4) Centerless grinding machine suitable to accommodate dia 30 X 600 mm pin with a accuracy of 0.005 mm.	Firm has to give undertaking for developing all the non standard equipments as per process books within 6 months from the date of placement of S.O 1) OJL.K 110.000 Track assembly Test rig. 2) OJL.K 107cb Installation for Track assembly 3) OJL.K 109cb Device for Press fitting of Needle 4) OJL.A 71cb installation of rolling of pins 5) JIK 03.1052 .00.000 Special press	
	Test/Inspection	Fixture /Gauges/Mandrel /templates /Test Rig/ Material handling equipments.		

- 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. All forgings has to conform to GOST 7505 and 8479.
 3. Testing facilities to be arranged by suppliers as per drawings and specifications.