

SI No.	Nomenclature & Drawing No.	Manufacturing Technology & Testing /Inspection Facilities Required to produce The Item	Must be possessed by the vendor in his premises(List of Plant and Machinery and testing/inspection facility to be submitted)	May be possessed by the vendor in his premises or may be out sourced (Name and address of sub-contractor, list of Plant and Machinery and testing/inspection facility to be submitted)	Firm Compliance (Y/N)	Remarks
1	MOUNTING OF ELECTRICAL COMPONENTS OF CLM 172.74.034CB-3	<p>Technology 1 Precision electrical micro switches assy.</p> <p>Technology 2 Assy of electromagnet and motors</p> <p>Technology 3 Metal Forming technology</p> <p>Test/Inspection Electrical Testing</p>	<p>✕ Must be possessed by the vendor in his premises(List of Plant and Machinery and testing/inspection facility to be submitted)</p> <p>Facility for: 1. Temperature controlled soldering(Temp range: upto 450deg C)</p> <p>Facility for: 1. Assy of armature and field coils 2. Assy of electromagnet</p>	<p>A. Sources (Tie-up/Outsource/MoU) of: 1. Micro switches 2. Springs 3. Rubber gaskets 4. Connectors(I/S) Approved</p> <p>A. Sources (Tie-up/Outsource/MoU) of: 1. Armature core and coils</p> <p>Facility for: 1. Riveting 2. Winding of armature and field coils(Winding machine: dia 100mm) 3. Temperature controlled soldering(Temp range: upto 450deg C)</p> <p>A. Sources (Tie-up/Outsource/MoU) having facility of: 1. Temperature controlled heat treatment (tempering, hardening). 2. Magnetic annealing to improve magnetic properties of core. 3. Electroplating (Zn chromating, Cadmium chromating, phosphating, oxidizing, chemical passivation, hot tinning) facility. 4. Phosphoric acid treatment 5. Steel Die casting 6. Turning(min 100mm dia)</p>		
		<p>The vendor should have periodically calibrated instruments measuring: 1. Stabilized DC power sources, 0-32V DC, 100A 2. Measuring Instruments(Accuracy</p>	<p>Facility for or Tie-up/MoU for testing of: 1. Chemical composition of materials 2. Testing of Mechanical Properties e.g. • Tensile strength, • Hardness • Cupping test. • Compression and load test</p>			

		<p>Class: 1.0 or better) Megger (insulation testing facility) 500V. High Voltage Breakdown Test kit 0-1kV, Spring balance gauge (measurement of force) 0-50kgf</p>	<p>3. Environmental tests (for springs)</p> <ol style="list-style-type: none"> <li>Vibration resistance tests (Freq: 55hz, amplitude: 0.5mm, duration: 3hours)</li> <li>Impact loading test (Freq: 15hz, amplitude: 3.5mm, duration: 30min)</li> <li>High temperature tests (70°C ± 3°C)</li> <li>Relative humidity tests (40°C ± 2°C) at 96% humidity</li> <li>Low temperature tests (-40°C ± 3°C)</li> <li>Dust test, mould growth test, tropical exposure test, rapid temperature cycling test as per specifications.</li> </ol>	
<p>Test/inspection 2</p>	<p>Facility as per VQC and TY specification</p>	<ol style="list-style-type: none"> <li>Firm should give undertaking for developing Test Facility as Per TY specification and/or as per Test/Inspection-1 after getting Supply Order.</li> <li>If the firm is not having any particular facility mentioned in VQC and able to make the component with alternate methods, the details of methods has to be provided with proper justifications.</li> </ol>		

*[Signature]*  
A.M./Share

JLGM/OHPDN

*[Signature]*  
(Debjyoti Ghosh)

W/M/Electron

*[Signature]*  
(V.T. Mahavishnu)

JWM/OA(OE)

*[Signature]*  
AGM/RA & RD

*[Signature]*  
(V. Karuppiah)

he proving that alternate facilities can be utilized as mentioned above are not available. whenever facilities are mentioned above but vendor has alternate facilities.

*[Signature]*  
AGM/SHM

AGM/P

AGM/PC