

Sl 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)	Ma or n (Name and address of sub-contractor, list of Plant and Machinery and testing/inspection facility to be submitted)	Firm Compli ance (Y/N)	Remark s
1	D-20 SWITCHING UNIT 172.70.276CFCB	Technology 1	Micro switch Assy	Facility for: 1. Temperature controlled soldering 2. Precision assy of micro switches	A. Sources (Tie-up/Outsource/MoU) of: 1. Micro switches 2. Springs 3. Rubber gaskets 4. Connectors(LCSO Approved)	
		Technology 2	Metal Forming and machining technology	Facility for: 1. Punching 2. Drilling and boring 3. Varnishing	B. Sources (Tie-up/Outsource/MoU) having facility of: 1. Temperature controlled heat treatment (tempering, annealing) facility. 2. Die casting 3. Pressing(Hydraulic/arbor press), 20T 4. Electroplating (Zn chromatizing, Cadmium chromatizing, phosphating, oxidizing, chemical passivation) facility.	
		Test/Inspection 1	Testing of switching unit	The vendor should have periodically calibrated instruments measuring: 1. Stabilized DC power sources, 0-32V DC,5A 2. Measuring Instruments(Accuracy Class: 1.0 or better) a. Megger(insulation testing facility) 550V, b. High Voltage Breakdown Test kit 0-5kV c. Calibrated weights(upto 5 Kgs) for force measurement	Facility for or Tie-up/MoU for testing of: 1. Chemical composition of materials 2. Testing of Rubber and Paronite items(gaskets etc) <ul style="list-style-type: none">• Limiting pressure• Limiting temperature• Density• Conventional breaking point in the transverse direction• Compressibility and recoverability after removal of pressure.3. Testing of Mechanical Properties e.g.<ul style="list-style-type: none">• Tensile strength,• Hardness• elongation,• yield strength,• impact strength,• cupping test,• bend test,• heat stability,• compression and load test (for springs)	
				Facility for: 1. Functional test for micro-switches (Switching current, time constant, overload capacity etc.) as per TY specification	<ul style="list-style-type: none">4. Environmental Tests:<ul style="list-style-type: none">1. Vibration table fitted with Vibration	

		<p>meter(3-axis accelerometer, Range: upto 2g)</p> <ol style="list-style-type: none"> 2. Spray chamber of water by compressed air(upto 5 kg/cm²) and salt fog(salt water aerosol) 3. Spray chamber for dust 4. Heating and Cooling Chamber (-50degC to +65degC)
Test/Inspection 2	Facility as per TY specification	<ol style="list-style-type: none"> 1. Vendor should be either reputed manufacturer of micro switches or should be able to source the micro switches from OEM of Russia 2. Vendor should give undertaking for developing Test Facility and procure instruments as Per TY specification and/or as per Test/Inspection-1 after getting Supply Order.

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.