

**VENDOR QUALIFICATION CRITERIA FOR BATTERY SWITCH BB.404.1C TO DRG NO. OST.B3.2620-75**

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NOMENCLATURE & DRAWING NO	MANUFACTURING TECHNOLOGY & TESTING / INSPECTION FACILITIES REQUIRED TO PRODUCE THE ITEM		MUST BE POSSESSED BY THE VENDOR IN HIS OWN PREMISES OR WITH SISTER / PARENT COMPANIES (SUPPORTING DOCUMENTS TO ESTABLISH RELATIONSHIP WITH SISTER/ PARENT COMPANY NEED TO BE SUBMITTED)	PROVIDE DETAILS OF THE FACILITIES ASKED IN COLUMN 3 THAT ARE AVAILABLE IN-HOUSE OR WITH SISTER / PARENT COMPANIES (SELF-DECLARED P&M LIST(Name of the facility/machine, Make, Date of installation, Capacity/Technical specification. (capacity, accuracy, precision & etc.)) AND TESTING/ INSPECTION EQUIPMENT LIST (Name of the Testing/ Inspection Equipments, Make, Date of calibration, Calibration agency(In-house/Out sources)) ALSO TO BE SUBMITTED)	MAY BE POSSESSED BY THE VENDOR IN HIS OWN PREMISES OR OUT SOURCED	PROVIDE DETAILS OF THE FACILITIES ASKED IN COLUMN 5 THAT ARE AVAILABLE IN-HOUSE OR OUT-SOURCED FIRMS (NAME AND ADDRESS OF THE SUB-CONTRACTOR TO BE DECLARED BY THE FIRM IN FIRM'S LETTERHEAD, SELF-DECLARED P&M LIST(Name of the facility/machine, Make, Date of installation, Capacity/Technical specification. (capacity, accuracy, precision & etc.)) AND TESTING/ INSPECTION EQUIPMENT LIST LIST (Name of the Testing/ Inspection Equipments, Make, Date of calibration, Calibration agency(In-house/Out sources)) ALSO TO BE SUBMITTED)
Battery Switch BB.404.1C Drawing No: OST.B3.2620-75	Technology 1	Metal Forming, and Metal Joining technology	Facility for: 1. Bending of Copper Strip 2. Riveting (Grid Type) 3. Varnishing		A. Sources (Tie-up/Outsource/MoU) having facility of: 1. Temperature controlled heat treatment (tempering, annealing) facility. 2. Die casting 3. Cold Upsetting 4. Moulding 5. Sand Blasting 6. Electroplating (Zn chromatizing, Tin-Bismuth Plating, Cadmium phosphating, Galvanizing, hard chromium plating) facility.	
	Test/Inspection 1	DC Switch Tesing	The vendor should have periodically calibrated instruments measuring: 1. Precision Stroke distance measurement( 0.1mm accuracy)		Facility for or Tie-up/MoU for testing of: 1. Chemical composition of Copper 2. Testing of	

			<ol style="list-style-type: none"> <li>2. Force measurement using Strain gauge/load cell/pulley(0.5kgf accuracy)</li> <li>3. Milivoltmeter (min accuracy class 0.5)</li> <li>4. Temperature rise measurement by Thermocouple</li> <li>5. Potentiometer(Min Accuracy class 1.5)</li> <li>6. Stabilized DC power sources, 0-36V DC,200A</li> <li>7. Variable Load of upto 200A,</li> <li>8. Load for 1500A (for 1hr) and 2000A(for 3secs)</li> <li>9. Measuring Instruments(Accuracy Class: 1.0 or better) <ol style="list-style-type: none"> <li>a. Megger(insulation testing facility) 500V,</li> <li>b. Multimeter</li> <li>c. Milliohm meter</li> <li>d. DC Clampmeter 0-2000A,</li> <li>e. High Voltage Breakdown Test kit 0-5kV,</li> <li>f. Time totalizer</li> </ol> </li> </ol>		Mechanical Properties e.g. Hardness, Tensile strength, elongation, cupping test, bend test, load test(for springs) etc.	
	Test/Inspection 2	Test Facility as Per TY specification	Firm should give undertaking for developing Test Facility as Per TY specification after getting Supply Order.			.

1.Supporting documents to be submitted:

List of Plant & Machinery available in-house and from outsourced firms to be submitted as per format:

SL.No.	Name of the facility/machine	Make	Date of installation	Capacity/Technical specification. (capacity, accuracy, precision & etc.)

List of Testing/ Inspection facilities available in-house and from outsourced firms to be submitted as per format:

SL.No.	Name of the Testing/ Inspection Equipments	Make	Date of calibration	Calibration agency(In-house/Out sources)

2. Undertaking has to be submitted by the firm for the facilities for inspection to be developed as per QAI/ TY specification after getting Supply Order.

**Firms Letterhead**  
**UNDERTAKING**

We M/s. having our registered office at \_\_\_\_\_ hereby  
undertake that we will develop the necessary facilities for inspection as per QAI/TY specification after getting Supply Order.

For and on behalf of:

M/s.

Signature:

Name:

Designation:

Date:

To,

3. The firm already established with HVF is not eligible to quote, being source development efforts.

**4. In-house facilities including facilities with sister / parent companies shall be considered for capacity verification. However, supporting documents to establish relationship with sister/ parent company need to be submitted along with response to AVR/OTE.**