

**BHARAT HEAVY ELECTRICAL LIMITED****BHOPAL**

Enquiry No. :

Due Date :

CONTACT PERSON'S NAME/DESIGN/PHONE NO./E-MAIL (FROM PURCHASE DEPTT.)

Supplier Qtn.
No.:

Date :

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF POINT FORCE TRANSDUCER**NOTE:-**

1. Vendor must submit complete information against clause no. 13.0 (Qualifying Condition). The offer meeting this clause would only be processed.

2. Vendor to furnish the offer using this standard template of the specification. While furnishing the offer, no change is to be made in the first three columns (i.e. 'S.NO.', 'DESCRIPTION FOR BHEL REQUIREMENT' & 'ACTION BY VENDOR'). Only the "Offered" column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.

3. The offer and all documents enclosed with offer should be in English language only.

NAME & ADDRESS OF THE SUPPLIER :

CONTACT PERSON'S NAME/DESIGN/PHONE NO./E-MAIL (FROM PURCHASE DEPTT.) BHEL, Bhopal.

TELEPHONE NOS.:

OS.:

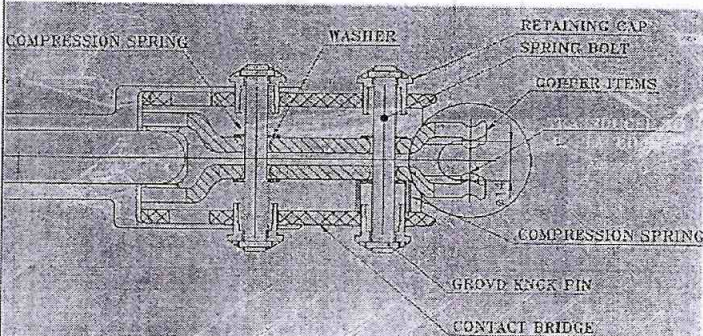
Tel:

Fax:

E-MAIL ADDRESS :

E-mail:

SCOPE: SUPPLY OF POINT FORCE TRANSDUCER COMPLYING WITH SPECIFICATIONS AS BELOW :

SNO	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE & WORK PIECE MATERIAL				
1.1	Purpose: Point Force Transducer to measure force of moving contact of OLTC having measuring range up to 500 N. We require 2 numbers of transducer for contact height 14 mm and 22 mm each.	VENDOR TO NOTE			
2.0	Scope of supply: Item 1: Point force transducer for contact height 14 mm. qty: 02 Numbers Item 2: Point force transducer for contact height 22 mm. qty: 02 Numbers.	VENDOR TO NOTE			
3.0	Pre Qualifying Criteria: Supplier has supplied identical (same make and Model) to Tap Changer manufacturer. BHEL has been using Erichsen Germany make model no. 835-2KN 0240.03.31 point force Transducer. For Supplier offering this make and model, no performance certificate is required.	PERFORMANCE CERTIFICATE FROM USER			
4.0	SPECIFICATION :				
4.1	Point Force transducer to measure force upto 500 N between contacts.	VENDOR TO CONFIRM			
4.1.1	Contact set for which force to be measured holds fixed rod of diameter 14 mm and 22 mm.	VENDOR TO NOTE			
4.1.2	Height of load cell/ transducer area under contact force must be 14 mm and 22 mm.	VENDOR TO CONFIRM AND PROVIDE CATALOGUE SHOWING DIMENSIONS			
4.1.3	pictorial illustration for the transducer application.	VENDOR TO NOTE			
					

SNO	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
4.2	Force Direction: Compression				
4.3	Measuring uncertainty: ± 2 %, related to the end value.	VENDOR TO CONFIRM & FURNISH			
4.4	Display device: Precision dial gauge, mountable facing different directions. Dial plate can be turned to enable zero offset.	VENDOR TO CONFIRM & FURNISH			
5.0	AMBIENT CONDITIONS & THERMAL STABILITY :				
5.1	Suitable for temperature range: 10deg C to 50 deg C.	VENDOR TO CONFIRM			
6.0	PACKING:				
6.1	Air worthy/Sea worthy & rigid packing for all items of complete system, all Accessories and other supplied items to avoid any damage/loss in transit. When system is despatched in containers, all small loose-items shall be suitably packed in boxes.	VENDOR TO CONFIRM			
7.0	GUARANTEE :				
7.1	The Transducer shall be warranted for trouble free performance and against any Defect in the material, workmanship, design and also any abnormal behavior for a Period of not less than 12 months from the date of receipt.	VENDOR TO CONFIRM			
8.0	GENERAL : The vendor should submit the following information:				
8.1	Equipment Model	VENDOR TO FURNISH			
8.2	Total weight of the system	VENDOR TO FURNISH			
8.3	Vendor to submit along with offer, the reference list of customers where such type of systems have been supplied, mentioning the name of customer, Machine Model, major specifications of the supplied system, Year of Supply etc.	VENDOR TO FURNISH			
8.4	Detailed catalogues, sketch/ photographs of the equipment and accessories/ attachments should be submitted with the offer.	VENDOR TO FURNISH			
9.0	Suitability :				
	For OEM other than M/s Erichsen GmbH & Co, supplier has to demonstrate the suitability of the equipment with our product at BHEL Premises.	VENDOR TO CONFIRM & FURNISH			
10.00	Pre Despatch Inspection : Not required for this component.	VENDOR TO NOTE			

This is small hand held equipment-
and does not require any
Erection & Commissioning, and
maintenance.

Calibration will be carried out
by OEM. *ATTN: BHEL*