



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY NOTICE INVITING TENDER	Phone: +91 431 257 7938 Fax : +91 431 252 0031 Email : tvenkat@bheltry.co.in Web : www.bhel.com
-----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two parts.	2631400009	27.02.2014	27.03.2014

You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order.
Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

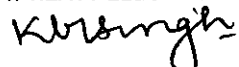
Item	Description	Quantity	Delivery
10	Load Cell for 50 T CLH Testing Station as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	1 No.	31.07.2014

Important points to be taken care during submission of offer

1. Compliance Form to be duly filled and enclosed along with your offer, failing which the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions including bank guarantee formats and list of consortium banks, commercial terms compliance form can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharat Heavy Electricals Limited page) under Enquiry reference "2631400009".

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

Engineer/MM / Capital Equipment

KUMAR GAUTAM SINGH
Engineer
MM / Capital Equipment
BHEL, TRICHY - 620 014.

PART A
QUALIFICATION CRITERIA
SPECIFICATION OF 50 TON TENSION TYPE LOAD CELL Quantity : 1 No.


SECTION - I

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for 50 Ton Tension Type Load Cell

SI.No	Description	Vendor to specify details
1	Only those vendors (OEM'S), who have designed, supplied and commissioned at least One Number of 50 Ton Capacity with rated output sensitivity: 1 mv/V \pm 0.5% tension type load cell in the past five years (on the date of opening of Tender) and such item should be working satisfactorily for a minimum period of one year after completion of commissioning as on the date of opening of this tender.	
2	The vendor should submit following details which are necessary for qualifying their offer.	
2.1	Name and contact details like email, phone number, fax no, etc., of the customer / company where similar equipment commissioned.	
2.2	Along with Technical offer, the Vendor should submit performance certificate from minimum one customer for the satisfactory performance of the same, supplied to them in the customer's letter head. Suggestive Format Enclosed in SECTION - III	
3	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	Bidder to accept



M. THANGARAJ
 Dy. General Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.



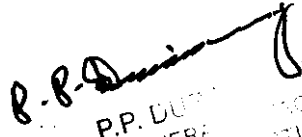
P.P. DURAISAMY
 DY. GENERAL MANAGER
 BOILER PRODUCTION
 BHEL, TRICHY - 620 014

SECTION - II

The BIDDER / VENDOR has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S. No.	REQUIREMENTS	VENDOR's COMPLIANCE
1	The BIDDER / VENDOR shall submit the offer in TWO PARTS-Technical [with PART A & PART B] & Commercial and Price Bid.	
2	The offer shall contain a comparative statement of Technical Specifications given by BHEL and the offered details submitted by the Bidder, against each clause. Merely stating 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words wherever 'Vendor to Specify' details in the technical comparative statement may lead to disqualification of the Technical Offer.	
3	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought-Out-Items with copies of Product Catalogue to the extent possible.	
4	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation of the inclusion of all the accessories, tooling's, attachments, auxiliary parts, spares, consumables, etc. with the main and basic equipment, to meet the technical specification requirements.	
5	BIDDER has to indicate the Country of Origin for the supply of equipment.	


M. THANGARAJ
Dy. General Manager
Maintenance & Services
BHEL, TRICHY - 620 014.


P.P. DUTT
DY. GENERAL MANAGER
BOILER PRODUCTION
BHEL, TRICHY - 620 014.

SECTION - III


PERFORMANCE CERTIFICATE

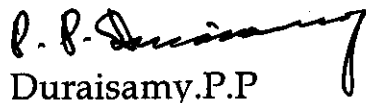
(On Customer's Letter Head)

1. Supplier of the machine :
2. Make & Model of the Equipment :
3. Month & Year of Commissioning :
4. Application for which machine is used :
5. Capacity and Rated output sensitivity :
6. Performance of the Machine : Satisfactory / Good / Average /
(Strike off whichever is not applicable) Not Satisfactory
7. After Sales Service : Satisfactory / Good / Average /
Not Satisfactory
8. Any other remarks :

Date:

Signature & Seal of the Authority
Issuing the Performance Certificate


Thangaraj.M
DGM/M&S/B-50 & HRDC

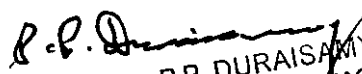

Duraisamy.P.P
DGM/BPN/HRDC

M. THANGARAJ
Dy. General Manager
Maintenance & Services
BHEL, TRICHY - 620 014.

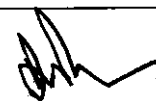
P.P. DURAISAMY
DY. GENERAL MANAGER
BOILER PRODUCTION
BHEL, TRICHY - 620 014.

PART B
SPECIFICATION OF 50 TON TENSION TYPE LOAD CELL
Quantity : 1 No.

Sl.no	Description		Bidder's Offer/Comments
1	Rated Load Capacity	50 Tons	Bidder to confirm
2	Model		Bidder to specify
3	Make		Bidder to specify
4	Type of Load Cell	Tension Type	Bidder to confirm
5	Rated Output Sensitivity	1 mv/V \pm 0.5%	Bidder to confirm
6	Excitation	10 to 15 Volts DC/AC (RMS)	Bidder to confirm
7	Terminal Resistance Input at 25 deg C	350 \pm 10 Ohms	
8	Terminal Resistance Output at 25 deg C	350 \pm 5 Ohms	
9	Zero balance	\pm 2% of Rated Output	
10	Non - Linearity	\pm 0.1% of Rated Output	
11	Hysteresis	\pm 0.1% of Rated Output	
12	Repeatability	\pm 0.1% of Rated Output	
13	Error, Combined (Accuracy)	\pm 0.1% of Rated Output	
14	Temperature Effect on Output	\pm 0.01% /deg C of Rated Output	


 P.P. DURAISAMY
 DY. GENERAL MANAGER
 BOILER PRODUCTION
 BHEL, TRICHY - 620 014.

Page 1 of 4


 M. THANGARAJ
 Dy. General Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.

15	Temperature Effect on Zero Balance	± 0.01% / deg C of Rated Output	
16	Temperature Range: Compensated	+5 deg C to +55 deg C	
17	Maximum Load, Safe	150% of rated capacity	
18	Maximum Load, Ultimate	200% of rated capacity	
19	Insulation Resistance	500 Meg ohms at 25 deg C	
20	Maximum side load allowed	1 % of Rated Load	
21	Weight (approximate)	36Kg	Bidder to specify
22	Construction	Alloy steel or its equivalent acceptable to BHEL while quoting itself.	Bidder to specify
23	Environmental Protection	IP65	Bidder to confirm
24	Dimension/Size of the Load Cell	Cylindrical shape with dia. 150 mm (around) and overall length around 320 mm.	Bidder to specify/confirm
25	Connection type: Both Ends Female Thread (only)	Inner connection size shall be M76 X4P to suit existing arrangement.	Bidder to specify/confirm
26	Calibration Test Certificate	Calibration Test Certificate from National Approved Lab (or) NABL traceability should be supplied along	Bidder to confirm

P.P. Duraisamy
P.P. DURAISAMY
 DY. GENERAL MANAGER
 BOILER PRODUCTION
 BHEL, TRICHY - 620 014.

Page 2 of 4

M. Thangaraj
M. THANGARAJ
 Dy. General Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.

		with the load cell.	
27	Guarantee	The equipment should be guaranteed for a minimum of 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.	
28	General Note		
28.1	Connectors & Cable	Load cells are normally to be supplied along with standard connector. To couple with the supplied connector, extra one male and female connector with 15 M shield cable has to be supplied along with load cells.	Bidder to confirm
28.2	Documentation		
i		Electrical connection drawings/Technical datasheet with connection details to be submitted along with the offer for technical evaluation.	Bidder to confirm

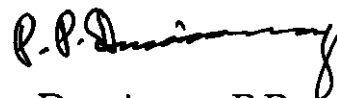
P.P.O.
P.P. DURAISAMY
 DY. GENERAL MANAGER
 BOILER PRODUCTION
 BHEL, TRICHY - 620 014.

M. Thangaraj
M. THANGARAJ
 Dy. General Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.

ii		Electrical connection drawings/Technical datasheet with actual specification 3 hard copies + 1 soft copy (CD/DVD) to be submitted along supply of load cells.	Bidder to confirm
29	Delivery	8 - 12 weeks after PO/LOI.	Bidder to specify/confirm.
30	Important Aspect For The Vendor/Bidder	The specification provided is absolutely for educative nature for the offer. The offerer is hereby directed to get acquainted with the BHEL Trichy area conditions before submitting the offer. Anything unspecified but necessary for the equipment function shall be indicated by the vendor/supplier during quoting itself.	Bidder to specify/confirm.



Thangaraj.M
DGM/M&S/B-50 & HRDC



Duraisamy.P.P
DGM/BPN/HRDC

M. THANGARAJ
Dy. General Manager
Maintenance & Services
BHEL, TRICHY - 620 014.

P.P. Duraisamy
DY. GENERAL MANAGER
BOILER PRODUCTION
BHEL, TRICHY - 620 014.