



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

<b>ENQUIRY FOR ELEVATORS</b>	Phone: +91 431 2577405/2577731 Fax : +91 431 252 0719 Email : <a href="mailto:bsunder@bheltry.co.in">bsunder@bheltry.co.in</a>
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	<b>Reference Number:</b> Enquiry <b>1701201341/05</b>	<b>Enquiry Date:</b> <b>21.09.2013</b>	<b>Due date for submission of quotation:</b> <b>29.10.2013</b>
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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

**BHEL/Trichy is looking for empanelment of new vendors (manufacturers only) for supply, erection and commissioning of "PRESSURE GAUGES FOR THERMAL POWER PROJECT – VARIOUS SITES IN INDIA"**

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units) Bharat Heavy Electricals Limited under enquiry reference " <b>1701201341/05</b> "	
Tenders should reach us before 14:00 hours on the due date Technical bid 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 <b>Bharat Heavy Electricals Limited</b>  MANAGER / MM / BOI

# Bharat Heavy Electricals Limited

HIGH PRESSURE BOILER PLANT , TIRUCHIRAPPALLI 620 014.



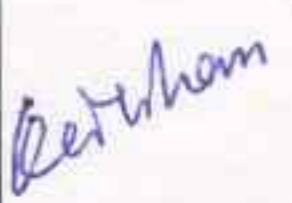

## TECHNICAL DELIVERY CONDITIONS

### FOR SUB - DELIVERY COMPONENTS OF CONTROLS AND INSTRUMENTATION

TDC : TCI : 101 / REV 07

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## PRESSURE GAUGE

SI. No.	DATE	DESCRIPTION	PREPARED	REVIEWED	APPROVED	
					ENGG	QAC
01,02 03,04	----	General Revisions	Sd/-	Sd/-	Sd/-	Sd/-
05	09.07.93	Page Number added	Sd/-	Sd/-	Sd/-	Sd/-
06	16-06-97	General Revisions	S/d	S/d	S/d	s/d
07	29-03-04	Revised based on revisiting of the specification ( TCI 103 – Draft Gauge Specification is merged with revised TCI 101 )				

CL NO.	CHARACTERISTICS	REQUIREMENT	VENDOR COMPLIANCE (Refer Note : 2)
1.0	<u>SITE CONDITIONS</u>		
1.1	Altitude above mean sea level	550 m.	
1.2	Ambient temperature condition	50°C.	
1.3	Relative humidity	100 %	
1.4	Atmosphere	Tropical , Dusty, salty, corrosive and highly polluted.	
2.0	<u>GENERAL</u>		
2.1	Reference standard	IS 3624 / EN 837 – 1,2,3 / ANSI B40.1	
2.2	Type	Direct reading	
2.3	Scale	Industrial concentric 270° linear	
2.4	Sensing element	Bourdon – for Pressure Gauges Diaphragm / Bellows / Capsule - for Draft Gauges	
2.5	Nominal Dial Size	As specified in data sheet	
2.6	Accuracy	± 1% of FSD for Pressure ranges ± 1.6 % of FSD for Draft ranges	
2.7	Over range protection	130 % of maximum range.	
2.8	Dial graduation	Graduated in Kg / Sq.cm (g) / mmWC.	
2.9	Zero adjustment	Micrometer adjustable from the front after opening the bezel	
2.10	Enclosure protection	Weather proof, water tight and dust tight IP 65 of IS 12063 / IS:13947 – PART-I-1993/IEC:529 / NEMA Equivalent	
2.11	Painting	Stoved enameled anti - corrosive black painting or Epoxy powder coated. ( Not applicable for SS 304 casing ) Separate SS Tag plate with tag no. and service legend.	
2.12	Identification		
3.0	<u>PROCESS CONDITIONS</u>		
3.1	Tag No.		
3.2	Medium		
3.3	Application		
3.4	Operating parameter	Refer to Data sheet	
3.5	Range		

CL NO.	CHARACTERISTICS	REQUIREMENT	VENDOR COMPLIANCE (Refer Note : 2)
3.6	Mounting & Entry		
3.7	Process Connection		
3.8	Special requirement —		
4.0	<u>MATERIAL</u>	Die cast aluminium or SS 304	
4.1	Case	AISI 316 SS	
4.2	Bourdon	Cast aluminium with screwed ring type / SS 304 with	
4.3	Bezel	Snap Action Bayonet type Neoprene	
4.4	Blow out disc	AISI 316 SS / AISI 316 SSL	
4.5	Socket	AISI 304 SS	
4.6	Movement assembly	Shatter proof glass.	
4.7	Window	As per quality plan QA:CI:STD:QP:01 (Latest revision )	
5.0	<u>INSPECTION &amp; TESTING</u>		
6.0	<u>DOCUMENTS</u>		
6.1	6 sets of the following :	1. T.C. for routine test for each gauge. 2. T.C. for type test 3. Material certificate 4. Guarantee certificate 5. Calibration certificate	
6.2	CD & 2 sets of Original	1. Catalogues 2. O & M manuals	
7.0	<u>PACKING</u>	Material shall be packed as per Packing procedure QA:CI:STD:PR:04. ( Latest revision )	

**NOTE:**

1. Refer current valid list for revision status of Quality Plan, Drawing No & Packing Procedure.
2. In Vendor Compliance column - vendor shall indicate 'YES', 'NO' or 'NOT APPLICABLE'.
3. GA drawings of gauges in AutoCAD and Data sheet in MS WORD shall be submitted for BHEL's approval.

## PQR - Engineering for Pressure gauges :

"The offered type of Pressure gauges shall be in successful operation for a period of at least 1 year as on the date of techno-commercial bid opening, in at least one coal fired thermal power plant for similar application. Vendor shall submit a list of reference of such thermal power plants along with the offer (Indicating Pressure gauge range and process medium Pressure and Temperature) where the offered system is in satisfactory operation. Performance feedback of satisfactory operation from enduser should be furnished along with offer. Service support for the offered pressure gauges shall be available in India. Offers meeting these requirements will be considered "

## PQR-Commercial Conditions:

1. This tender is for the supply of Pressure Gauges per specs, size and quantities mentioned in Annexure I attached to this enquiry.
2. The vendor shall have adequate experience in manufacturing and supply of Pressure Gauges.
3. The tender is in two parts. One part consisting of commercial and technical conditions and other with price details. Techno-Commercial bid and price bid are to be submitted in separate sealed covers. In addition to technical and commercial conditions, vendors who are not registered vendor of BHEL, Trichy have to submit the filled in "Supplier Registration Forms" (available in .www.bhel.com) along with the technical bid. Based on this and other conditions, as well as capacity and capability and approval by customer, vendors will be short-listed. Both these covers are to be put in a single cover duly super scribing the Enquiry Number. The technical and commercial bid will be opened on *the* due date and based on the acceptance of techno-commercial bid and vendor evaluation, the price bid of the qualified vendors will be opened on a suitable date with due intimation.

Following will be the criteria for vendors to qualify;

- a. Vendor should have been approved by BHEL Trichy for this items under Permanent category (OR)
  - b. Vendor should submit the following documents for considering them as an approved vendor
    - i. *Duly* filled-in Supplier Registration Forms.
    - ii. Availability of minimum manufacturing, handling, testing and measuring facilities as detailed in the Supplier Registration Form.
    - iii. BHEL will have the right for spot assessment of the facilities for assessment.
    - iv. Qualifying to our techno commercial requirements of the Enquiry.
    - v. Customer approval for the vendors before ordering.
4. BHEL reserves the right to increase or decrease the tendered quantity and split the tendered quantity among more than one tenderer and place orders accordingly in any proportion based on commitment, requirement and suppliers capability in terms of delivery and quality as assessed by BHEL.
  5. BHEL reserves the right to negotiate the L1 rate.
  6. BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to BHEL inter-alia other reasons.
  7. BHEL reserves the right to order on more than one vendor at the lowest acceptable price to BHEL.
  8. BHEL standard LD condition is 0.50 % per week to a maximum of 15 % for the undelivered portion of materials.
  9. Payment terms shall be "100% payment on CAD (Cash against documents) with 10% PBG".  
PO will be released only after customer approval.
  10. Vendors have to confirm to the Commercial Terms & Conditions attached.
  11. Non compliance to PQR may result in rejection of offer.
  12. Details about Indian agents and all service setup for all replacement in India are to be provided.

## TERMS AND CONDITIONS

1. a) **QUOTATIONS** : Each tender should be sent in double cover, inner cover should be sealed with tenderer's distinctive seal and superscribed with correct tender No. item of supply and due date of opening. The outer cover should only bear the address of this office and should not have any indication that a tender is within. Two or more quotation should not be sent in one cover but the quotation against each tender should be sent separately to avoid confusion. Tender should not be addressed to any individual's name but only by designation.

b) Tenders should be free from CORRECTION AND ERASURES. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

c) Price should be nett F.O.R despatching station inclusive of risk in transit and remain valid for 60 days from the due date.

d) If any Sales Tax is payable as extra to the quoted price it should be specifically stated in quotations alongwith CST & TNGST No failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.S.T No 3560005 Dt. 01-04-1995 CST No. 239383 Dt. 11.6.1991.

e) No revision of prices will be entertained after tenders are opened.

f) Manufacturer's Name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required alongwith quotation wherever necessary.

g) Products with I.S.I Certification marks will be preferred.

h) The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.

2. **SAMPLES** : Wherever possible, sample should be submitted separately whether specifically requested or not so as to reach the purchaser on or before the due date of the enquiry. They should be clearly marked with the enquiry No and the date on the outside cover to facilitate identification.

3. **PACKING AND MARKING**: The supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.

4. **TERMS OF PAYMENT** : Payment will be made within 30 days of satisfactory receipt of materials at site. Wherever required by the purchaser, the successful tenderer must send the operation and maintenance manuals, test certificates, drawings, etc., for the materials ordered. These should be sent immediately after despatch of the materials and a statement to that effect should be made in the invoice. Failure to comply with this provision will result in delay in payment of the bills. Goods despatched either by V.P.P or by the document presented through bank will not be accepted unless agreed to by the Purchaser.

The duplicate copy of the invoice meant for the transporters should accompany the material as stipulated under C.E. Rules 52A and 173C (or) 57GG. A photostat copy of the above invoice for each delivery challan should be submitted alongwith the original bills routed through bank or submitted directly to BHEL Finance Department.

5. **SECURITY DEPOSIT** : For purchases over Rs. 5,000/- the successful tenderer/s may be requested to furnish a Bank Guarantee. Security Deposit for an appropriate value as may be determined by BHEL.

### 6. LIQUIDATED DAMAGES/ PENALTY AND INTEREST ON ADVANCES FOR DELAY IN DELIVERY:

If the supplier fails to deliver the raw material / equipment / components within the period specified in the contract the purchaser shall deduct Liquidated Damages a sum equivalent to 0.5 % of the price for each week of delay upto a maximum of 15% of the price of the delayed / undelivered goods. In addition to the recovery of interest at normal cash credit rate plus 2% for the unadjusted portion of the advances. If the delay in delivery of a part contributes to delay in execution of total system, LD and interest on advances will be recovered on the total contract price / total advance paid.

7. **RISK PURCHASE** : Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 6 above.

8. **PREFERENTIAL DELIVERY** : It should be noted if a contract is placed on a higher tenderer as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay to the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination, including all elements of freights, sales tax, duties and other incidents, incidental in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and incorporated in the contract.

9. **MODVAT CREDIT** : If any Excise Duty is payable, the chapter head/sub-head reference and the rate of the duty should be quoted. If the tender is availing MODVAT credit for this input materials, the effect of proforma credit should be passed on to the purchaser. Tenderer under "MODVAT" shall be preferred.

10. **Purchase** : Preference will be given to CPSUs as per. Government Guidelines.

11. **GENERAL** : The purchaser reserves the right to split up the tender and place order for individual terms with different tenderers and also increase or decrease the quantity.

Any Other conditions which might have been quoted by the Seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by Purchaser will not be applicable to the contract.



# PURCHASE / MM / FB SUB DELIVERY - ENQUIRY - DEVIATION

Page

OF

SCHEDULE OF DEVIATION TO  
SUB - DELIVERY ENQUIRY No.

DATE

DESCRIPTION		
SPECIFICATION		DRG. No.
QUALITY PLAN		
DOCUMENT REFERENCE	BHEL ENQ. CALLED FOR	FIRM'S ALTERNATE OFFER

CERTIFIED THAT OTHER THAN THE ABOVE DEVIATIONS, WE ARE ACCEPTING ALL THE OTHER SPECIFICATIONS AND REQUIREMENTS IN FULL TO YOUR ENQUIRY

STATION :

DATE :

SIGNATURE OF FIRMS REPRESENTATIVE

FIRM SEAL

- NOTE: 1. Deviations should be taken only in the extreme case.  
2. If necessary, use additional sheets with page control number.

**COMMERCIAL TERMS AND CONDITIONS FOR IMPORT VENDORS**

SI No	ELEMENTS	COMMERCIAL TERMS	VENDOR CONFIRMATION
1	PRICE	RATE PER UNIT TO BE QUOTED ON FOB Basis INCLUSIVE OF PACKING & FORWARDING CHARGES	
2	FREIGHT & INSURANCE CHARGES	BHEL scope	
3	PAYMENT TERMS	100% PAYMENT ON CAD(CASH AGAINST DOCUMENTS) BASIS	
4	L.D	MIN 0.5% & <b>MAX</b> 15%	
5	DELIVERY	INDICATE THE DELIVERY PERIOD	1
6	VALIDITY	3 MONTHS FROM THE DATE OF PRICE BID OPENING	
7	GUARANTEE CLAUSE	18 MONTHS FROM THE DATE OF SUPPLY OR 12 MONTHS FROM THE DATE OF COMMISSIONING WHICHEVER IS EARLIER	
8	FIRM PRICE	PRICES SHALL BE FIRM TILL THE <b>EXECUTION</b> OF SUPPLIES AND NO PVC IS APPLICABLE	
9	TENDER FINALISATION	TENDER WILL BE FINALISED ON THE BASIS OF " TOTAL COST" TO BHEL.	
10	CONFIRMATION TO BHEL REQUIREMENT	IF THE VENDOR IS NOT CONFIRMING TO OUR TECHNICAL / DRAWING REQUIREMENTS IN TOTAL, THEIR OFFER WILL NOT BE CONSIDERED FOR FURTHER EVALUATION IN THIS TENDER.	
11	DOCUMENT SUBMISSION	IN CASE OF PO, DOCUMENTS (DRAWINGS,DATA SHEETS AND QUALITY PLAN IN TRIPLICATE) SHALL BE SUBMITTED WITHIN 15 DAYS FROM THE DATE OF RECEIPT OF PO AND THE REVISED DOCUMENTS SHALL BE SUBMITTED WITHIN ONE WEEK FROM THE DATE OF RECEIPT OF ENGINEERING / QUALITY COMMENTS	
12	CONSIDERATION OF OFFER	LOWEST PRICES RECEIVED AGAINST BHEL TENDER NEED NOT <b>BE</b> THE TECHNICALLY ACCEPTABLE ONE AND IN THAT CASE BHEL RESERVE THE RIGHT NOT TO CONSIDER THE <b>SAME</b>	
13	QUANTITY OF TENDERED QTY	BHEL RESERVES THE RIGHT TO INCREASE OR DECREASE THE TENDERED QUANTITY.	
14	RISK PURCHASE CLAUSE	CONFIRMATION FOR RISK PURCHASE CLAUSE IS REQUIRED	
15	PBG	SUBMISSION OF PERFORMANCE BANK GUARANTEE FORA VALUE OF 10% OF THE TOTAL PO VALUE.	

\_\_\_\_\_  
SIGNATURE OF FIRM'S

REP:  
\_\_\_\_\_  
\_\_\_\_\_

SEAL:  
\_\_\_\_\_