



# Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001  
Company

<b>ENQUIRY</b>	Phone: +91 431 257 7653	Email : <skaruna@bheltry.co.in>
	Fax : +91 431 252 0031	Web : <a href="http://www.bhel.com">www.bhel.com</a>

<b>TWO PART BID</b> TENDER TO BE SUBMITTED IN TWO PARTS.	Enquiry No: 2621400048	Enquiry Date: 24.12.2014	Due date for submission of quotation: 24.01.2015
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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, Please note that under any circumstances, both delayed offer and late offer will not be considered. Hence vendors are requested to ensure that the offer is reaching physically at our office before 14.00 hours of the date of tender opening.

Sl.No	Description	Qty
10	MEDICAL EQUIPMENT - MULTI GAS DETECTOR (AS PER BHELSPCN)	1 No.

### IMPORTANT POINTS TO BE TAKEN CARE DURING SUBMISSION OF OFFER:

- 1). The above requirement should be as per BHEL TECHNICAL SPECIFICATION only Also kindly confirm other points / Qualifying criteria point by point without fail.
- 2). DELIVERY :- 3 MONTHS
- 3). DELIVERY TERMS: FOR/BHEL/TIRUCHY-14
- 4). CHECK LIST NO: BND/IND/08 TO BE FILLED AND ATTACHED ALONG WITH YOUR OFFER FAILING WHICH, THE OFFER WILL NOT BE CONSIDERED FOR OUR EVALUATION.
- 5). Subsequent to the hosting of this Enquiry, any corrigendum to the Enquiry that may be hosted in the BHEL Web-site as well as Government Tenders-portal shall be viewed by the vendors regularly to know the details of corrigendum. In case if any vendor without seeing the corrigendum quoted as per original enquiry and intimate that they have wrongly quoted will not be considered and rejected. However, as per the appropriate policy of BHEL, action will be taken in this regard.
- 6). Installation, commissioning & demonstration at "FREE OF COST" by the vendor at BHEL/ Tiruchirappalli to be specially indicated in the technical offer. .

### ENCLOSURES:-

- 1) Enquiry Sheet – 2621400048 – 2 pages
- 2) BHEL Technical specification, Other points & Qualifying Criteria -- ANNEXURE-A – attached.
- 3) BHEL Commercial terms and conditions vide Check List No. BND/IND/08 – attached.
- 4) GUIDELINES&INSTRUCTIONS TO BIDDERS FOR SUBMITTING OFFER VIDE. No. MM/CE/GT/001

The above documents 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 " .

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 <i>S. Mudiappan</i> 23/12/2014 Administrative Officer/MM/CE
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**S. MUDIAPPAN**  
Administrative Officer  
MM / Capital Equipment  
BHEL, TRICHY - 620 014.



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**CAPITAL EQUIPMENT / MATERIALS MANAGEMENT**

**ENQUIRY No. 2621400048 Dated 24-12-2014 due on 24.1.2014 .. Page No.2**

### **Special Instructions:**

- 1) The bidders shall submit the offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.
- 2) ENVELOPE-I This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "PART-I" Technical and commercial bid indicating Enquiry no. /date and address & Ref. of the bidder.
- 3) ENVELOPE-II This sealed envelope should contain price details. This envelope should be clearly marked PART-II PRICE BID indicating Enquiry no. /date and address & Ref. of the bidder
- 4) Both the envelopes part I and II shall be put in one cover, duly sealed superscribing as PART I and II of Enquiry No. --- due date of the tender opening --- and the address and ref. of the bidder. The above offer should reach this office on or before the due date by 14.00 hours (IST) Late offers will not be considered.
- 5) Delivery terms: **FOR/BHEL/TIRUCHY basis** only.. Hence Vendor should quote FOR price inclusive of P&F, Freight, transit insurance etc.
- 6) The vendor should clearly mention both in technical as well as price bid the applicable taxes and duties (viz., ED/CST/VAT etc). Please note, we will not give any C-Form (or) VAT declaration form.
- 7) The vendor should confirm the delivery mentioned in the enquiry or indicate the earliest delivery in the technical offer.
- 8) Point by Point confirmation required for BHEL specification along with technical offer by countersigned & officially sealed in token of acceptance of BHEL's specification.
- 9) Vendor should send catalogue of the equipment, if any.
- 10) BHEL's COMMERCIAL TERMS & CONDITIONS FOR INDIGENOUS SUPPLIES - CHECK LIST No: BND/IND/08 Enclosed. Vendor should send the same along with Technical Offer with official signature and seal in token of acceptance.
- 11) **WITH REFERENCE TO ABOVE IT MAY PLEASE BE NOTED THAT "THE OFFERS FROM AUTHORISED DEALER / DISTRIBUTOR / AGENT WILL BE ACCEPTED ONLY IF THE DELAER / DISTRIBUTOR / AGENT SUBMITS VALID AUTHORISATION LETTER ISSUED BY THE ORIGINAL MANUFACTURER ALONG WITH TECHNICAL OFFER.**

## **MULTI GAS DETECTOR**

### **TECHNICAL SPECIFICATIONS:**

## **ANNEXURE-A**

#### **1. Function**

The Portable Multi Gas Detector shall be capable of measuring the following gases (1) Carbon dioxide(2) Methane (3) Oxygen (4) Carbon monoxide(5) Sulphur dioxide (6) Volatile Organic Compounds (VOCs), with display of values.

#### **2. Sensors Detectors**

Carbon dioxide	Infrared sensor
Methane	Catalytic sensor
Oxygen	Electrochemical sensor
Carbon monoxide	Electrochemical sensor
Sulphur dioxide	Electrochemical sensor
VOCs	Photoionization detector (PID)

#### **3. Measuring ranges:**

Carbon dioxide	0 to 5% vol
Methane	0 to 5% vol
Oxygen	0 to 30% vol
Carbon monoxide	0 to 999 ppm
Sulphur dioxide	0 to 99 ppm
VOCs	0 to 2000 ppm

#### **4. Display:**

LCD

#### **5. Power supply:**

Replaceable alkaline battery

#### **6. Weight:**

Less than 750 g [device with battery]

#### **7. Temperature range:**

-20°C to 60°C

#### **8. Humidity range:**

15 % – 90 % relative humidity

#### **9. Warranty:**

Full 2 year warranty on all components including all sensors.

#### **10. Calibration:**

Certificate required. Calibration facility in India.

#### **11. Probe:**

Preferable detachable with tubing

#### **12. Carrying case**

#### **13. Manual (English)**

#### **OTHER POINTS:**

1. The Vendor has to ensure for the availability of spares and consumable indigenously.
2. Price List of all major Spares to be provided.
3. Suitable Extended Warranty may be indicated.
4. Software application if any – Up gradation of the equipment should be taken care by the vendor.
5. The Vendor shall have service center with qualified service engineers in Tamil Nadu or nearby locations .

#### **QUALIFYING CRITERIA FOR MULTI GAS DETECTOR**

1. The Vendor should have a Valid CE / BIS / FDA certification
2. The Vendor would have supplied at least two number of such type of equipment in the past one year.
3. The Vendor has to submit the two performance certificate from their customers to whom they have supplied such type of equipment.