



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY		Phone: +91 431 257 7653 Fax : +91 431 252 0031	Email : <skaruna@bheltry.co.in> Web : www.bhel.com
TWO PART BID TENDER TO BE SUBMITTED IN TWO PARTS.	Enquiry No: 2621400059	Enquiry Date: 29.12.2014	Due date for submission of quotation: 30-01-2015
<p>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.</p>			
Sl.No	Description	Qty	
10	MEDICAL EQUIPMENT - SPIROMETER (AS PER BHELSPCN)	1 No.	
<p><u>IMPORTANT POINTS TO BE TAKEN CARE DURING SUBMISSION OF OFFER:</u></p> <ol style="list-style-type: none"> The above requirement should be as per BHEL TECHNICAL SPECIFICATION (ANNEXURE-A) only Also kindly confirm other points / Qualifying criteria point by point without fail. DELIVERY :- 3 MONTHS DELIVERY TERMS: FOR/BHEL/TIRUCHY-14 CHECK LIST NO:MM/CE/IND/12 TO BE FILLED AND ATTACHED ALONG WITH YOUR OFFER FAILING WHICH, THE OFFER WILL NOT BE CONSIDERED FOR OUR EVALUATION. 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. Installation, commissioning & demonstration at "FREE OF COST" by the vendor at BHEL/ Tiruchirappalli to be specially indicated in the technical offer. . 			
<p><u>ENCLOSURES:-</u></p> <ol style="list-style-type: none"> Enquiry Sheet – 2621400059 – 2 pages BHEL Technical specification, Other points & Qualifying Criteria -- ANNEXURE-A – attached. BHEL Commercial terms and conditions vide CHECK LIST NO: MM/CE/IND/12 – attached. GUIDELINES&INSTRUCTIONS TO BIDDERS FOR SUBMITTING OFFER VIDE. No. MM/CE/GT/001 			
<p>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 “ .</p>			
<p>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</p>		<p>Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED <i>S. Mudiappan</i> 29/12/2014 Administrative Officer/MM/CE</p>	



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ENQUIRY No. 262140059 Dated 29-12-2014 due on 30.01.2015 .. 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: **MM/CE/IND/12** Enclosed. Vendor should send the same along with Technical Offer with official signature and seal in token of acceptance.

SPIROMETER

ANNEXURE-A

TECHNICAL SPECIFICATIONS:

PC based spirometer to measure, display, print, store and recall slow and dynamic pulmonary function tests, with prediction.

Operation	PC based Spirometer
Type	Mounted on Table Stand / Trolley to present mouthpiece to patient at sitting mouth height
Sensor	Pneumotachograph
Flow range	± 0.05 to ± 14.0 l/s
Flow resolution	0.01 l/s
Resistance	<0.05 kPa/(l/s) at 10 l/s
Volume detection	Digital flow integration
Volume range	± 0.01 to ± 10.0 l
Volume resolution	0.01 l
Volume accuracy	$\pm 3\%$ or ± 0.05 l, whichever is greater
Interface	USB / serial port
Software	Dedicated software for onscreen real-time graphics display, storage and output. To be installed at the time of commissioning, and supplied on media. Should implement - test operation, predicted & trend display, data management, calibration, report generator, prediction editor, interpretation. Free software upgrade for compatibility with OS.
System requirements	Microsoft Windows based PC, PC to be supplied by BHEL
Manual	(English) To be supplied
Calibration	Physical, with 1 l or 2 l syringe (to be supplied)
Prediction equations	User selectable various authors, including Indian
Standard conformity	ATS

Tests

Vital Capacity (VC), Forced Vital Capacity (FVC),
Forced Expiratory Volume in 1.0 sec (FEV1),
Forced Expiratory Ratio (FEV%),
Peak Expiratory Flow Rate (PEFR),
Mid-Expiratory Flow Rates (MEF75, MEF50, MEF25), Flow-
Volume Curve, Broncho-dilator response.

Spares

Pneumotachograph (20), Pneumotach holders (2),
Connecting tubes – measurement / calibration (2 each)

Accessories

Calibration syringe,
nose clips (30), mouthpieces (25),
dust cover

Warranty

2 years on all components.

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:

- 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.