



429-002/A

BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

PHONE :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
Web:

Page
1/3

Enquiry No	Enquiry Date	Due Date for Quotation
2651600023 - 49	28.07.2016	19.08.2016
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.		

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	Flow Sizing Software Flow Sizing Software for Flow Nozzles. As per the attached Technical Specification Ref:CI/SW/FNA	NO	1.000	1.00	30.09.16

General Note:

1. Please submit your detailed offer in two part bid system i.e Part-I. Technical bid + Checklist (Annexure-III) + Unpriced bid indicating taxes & duties (Annexure-IV) in a sealed cover, super scribing on the cover as "TECHNICAL & COMMERCIAL BID / PART-I"
- Part-II. Priced offer in another separate sealed cover super scribing on the cover as "PRICE BID / PART-II"
- Both the covers shall be duly super-scribed with tender reference and due date of opening. These covers shall be put in a single cover duly super-scribed with tender reference and due date of opening and addressed to us.
2. Point-to-point confirmation to BHEL's specification and commercial terms & conditions shall be provided. The supplier must fill and send all the Annexures as indicated in the list of attachments. Annexure-III & Annexure-IV (with taxes and duties, without indicating prices) should be filled and submitted along with the technical bid, else your offer is liable for rejection.
3. Offers with validity of less than 90 days and non-acceptance of LD and RP clause will lead to rejection of submitted offer.
4. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
5. All clarifications may be sought at least ten days prior to tender due date, from the undersigned with due written request.
6. Order shall be placed on single vendor on cumulative L1 basis for total package.
7. Vendors are requested to avoid the following points while submitting

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

R.I. PETER IRUDAYARAJ
Senior Manager

Materials Management /
BHEL, TIRUCHY - 620 014.



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Page
2/3

2651600023 / 28.07.2016

23505

the Bid Documents:

- Loose or spiral bound bid documents are not encouraged.
- In case of any corrections/overwriting in the tender documents, the same shall be duly attested by the bid submitter.

8. Corrigendum if any, with respect to this tender will be hosted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. You are requested to visit the website regularly for updates.

9. List of Attachments:

- Commercial Terms & Conditions: Annexure-III
- Price Bid Format: Annexure-IV.

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

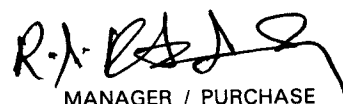
The offers will be opened at 14.30 hrs on the due date of the tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.

The supplier shall submit EI/EII forms to BHEL time to time as indicated by the BHEL and in case of inordinate delay in issuing EI/EII forms, then BHEL reserves the right to deduct 5% of the value of the supplied items against which EI/EII forms pending to be issued

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED


MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

R.I. PETER IRUDAYARAJ
Senior Manager

Materials Management /
BHEL, TIRUCHY - 620 014.



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3/3

2651600023 / 28.07.2016

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Enclosures:

"LD clause has to be confirmed without fail."

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BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI – 620 014

CONTROLS & INSTRUMENTATION /FB



TECHNICAL SPECIFICATION FOR
FLOW SIZING SOFTWARE

REF- CI/SW/FNA

REV.No.	DATE	DESCRIPTION	PREPARED SR	CHECKED MVR	APPROVED AKP
00	02/07/2016	INITIAL RELEASE	<i>S. Rajasekhar</i>	<i>Romany</i>	<i>Pankaj</i>

**TECHNICAL SPECIFICATION**

Sl No.	Description	Technical Parameter
1	Software	Flow Sizing software for Orifice plate/Flow nozzles
2	Quantity	1 User-licensed
3	Requirement Software calculates the orifice/Nozzle bore size, flow rate or differential range, which enables the user to select the flow rate with optimum accuracy The sizing of the flow element to be designed as per various standards such as ISO 5167, ASME-3M, ASME-PT6 (For Throat Tap nozzles), ISA 9132, ASME PTC 19.5, BS1042 etc • It should calculate the bore size for given set of input parameters like pressure, temp, flow. • It should able to predict the uncertainty in measurement. • It should able to provide Flow Vs Differential pressure and Flow Vs Permanent pressure loss in graphical as well as in tabular form. • Complete sizing datasheet to be generated in a printable form. • The software should have in-built steam table linked to it, so that density and dynamic viscosity should be calculated by the program for particular temperature and pressure of fluid. • It should able to design a flow element for various types of gases or a combination of gases. • The sizing software should consider thermal expansion coefficient of various pipe and nozzle materials like SS, P22, P91, cast alloy etc.	

BHARAT HEAVY ELECTRICALS LIMITED TIRUCHIRAPALLI**CAPITAL PURCHASE**

(Check List - to be filled and submitted along with Offer)

S. No.	BHEL Commercial Terms and Conditions for Import/Foreign Supplies	Vendor's Confirmation / Comments
1	Our Enquiry No., Enq. Date & Enq. Due date must be mentioned in offer.	
2	Technical confirmation to BHEL's Specification shall be furnished. If needed additional sheets shall be used.	
3	Prices shall be quoted item wise only as per the model format enclosed.	
4	The final destination of material: to be delivered to BHEL, Tiruchirapalli, STORES Prices shall be quoted on " FIRM PRICE " basis only. The prices should be only on FOB/FCA basis inclusive of Packing & Forwarding charges if any.	
5	Validity of offer shall be for a minimum period of 90 days from the date of Tender opening	
6	Delivery Period from the date of Letter of Intent / Purchase order	
7	Liquidated Damages (LD): The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in 'Supply' and/or 'E&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&C'. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Material Despatched after Due date: Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date. The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in E&C subject to a maximum of 10% of total PO value (Supply + E&C). For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value). For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered	
8	Payment term for supply portion: BHEL Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account. Any deviation in the above payment term will attract loading as mentioned below. "Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders. • In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value. • For LC at sight the loading will be considered @ 3.5% on the offered Value. • Normally CAD at sight and Confirmed LCs are liable for rejection. Important Note: BHEL will consider the ranking after the loading is applied as referred vide Para 7& 8 above wherever deviations are observed.	
9	Payment Terms for Indian agent: Indian Agency Commission, if any, shall be clearly specified in the offer and the same will be paid in Indian Rupees against acceptance of the materials.	
10	Part Shipment or Transshipment is not permissible	
11	In case of any short shipment in the main equipment / spares, where separate rates are not available in the contract, the customs duty levied on such supplies, shall be borne by the supplier / Indian agent.	

COMMERCIAL TERMS& CONDITIONS

ANNEXURE-III (IMPORT)

12	Following Risk Purchase clause shall be applicable: 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 dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
13	Erection / commissioning: (if applicable only) Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection / commissioning shall be done at free of cost is available in the offer.	
14	The equipment shall be guaranteed as per tender condition from the date of receipt & acceptance./ (commissioning (commissioning date ,if applicable as per tender condition) Normally No deviation permitted and the deviated offers are liable for rejection.	
15	Equipment will be inspected and proved at vendor's works prior to dispatch, if applicable as per tender condition. However final inspection and acceptance of equipment will be after installation at BHEL, Tiruchirapalli.	
16	The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost.	
17	Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Tiruchirapalli basis.	
18	Performance Bank Guarantee, if applicable as per tender condition. Normally No deviation permitted and the deviated offers are liable for rejection.	
OTHER DETAILS REQUIRED		
19	Indicate Nearest airport & sea port	
20	Country of Origin	
21	Freight& transit insurance charges, if any (in % only) from Dispatching station to BHEL, Tiruchirapalli (Note: If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight will be borne by BHEL)	
22	Approximate Net weight of the total consignment	
23	Approximate Gross weight of the total consignment	
24	Approximate Dimensions of the Consignment	
25	General terms and conditions, Commercial terms and conditions acceptance	
26	Name of the contact person	
27	Land Line Number	
28	Fax Number	
29	Mobile Number	
30	E-mail ID	

NOTE:

- It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained
- The prices are to be offered only on FOB/FCA basis, inclusive of Packing & Forwarding charges if any.
- Your specific acceptance to our Payment terms, LD, Risk Purchase Clause are essential for consideration of your offer.
- No row shall be left blank. Please indicate NA, in case the item is "Not Applicable".

Full postal Address:

Signature & Office Seal of the vendor

Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE**MODEL PRICE BID FORMAT FOR FOREIGN BIDDERS**

ENQUIRY NO. & DATE:

BIDDER'S OFFER NO. & DATE:

SL. No.	Description of item	Unit	Quantity	Unit Rate in (indicate FC)	Value in (indicate FC)
10	Flow Sizing Software	No	1		
	Ex-Works value				
	Packing & Forwarding charges, if any				
	FOB charges / FCA charge if any				
	FOB value (indicate the name of the port)				
	Approximate freight charges (freight charges to Chennai port)				
	CFR value (Chennai port)				
	Transit insurance charges				
	CIF value (Chennai port)				
	Approximate net weight of the total consignment				
	Approximate gross weight of the total consignment				
	Approximate dimensions of the total consignment				
	The price indicated shall be inclusive of all accessories, spares etc. as given in the scope of supply individual item –wise break-up price with consignment weight for each item separately shall be attached as an annexure to this price bid format				

NOTE:-

- It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
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- Your specific acceptance to our **Payment terms, LD, Risk Purchase Clause** are essential for consideration of your offer.
- No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"
- The price bid should be submitted only as per the above format.

Full postal Address:

Signature & Seal of Vendor