



429-002/A

BHARAT HEAVY ELECTRICALS LIMITED

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

Page
1/4


PHONE :2577629
 GRAMS : BHARATELEC
 FAX NO: 2520719
 E-mail: srchandran@bheltry.co.in
 Web:

	Enquiry No	Enquiry Date	Due Date for Quotation
	2661400236 - 55	03.04.2014	25.04.2014
<p>Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order</p>			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	<p>Water treatment chemical required for corrosion protection of mild steel and copper tubes in circulating cooling water system of reciprocating and centrifugal air compressors . COMMON NOTE FOR ITEM 10 to 30: (I) Existing quality of water available. (1) Colour : clear (2) PH at 25 degree C : 8.5 to 9.0 (3) Calcium hardness as CaCo3 in ppm : 125 (4) M alkalinity as CaCo3 in ppm : 215 (5) p alkalinity as CaCo3 in ppm : Nil (6) Total dissolved solids in ppm : 444 (II) Details of recirculating cooling water system. (1) Concrete wall Sump No.1(Twin cell tank): (a) Located at Old Compressor house(bldg.No.10) (b) Capacity of sump : 45,620 liters (c) Flow rate of circulating cooling water:180 Cubic meter per Hour (2) Concrete Wall Sump No.2 is located at New Compressor house(bldg.No.83)-(Twin cell tank) (a) Located at New Compressor house(bldg.No.83) (b) Capacity of sump : 45,620 liters (c) Flow rate of circulating cooling water: 180 Cubic metere per Hour (3) Type of cooling Tower: Induced draft FRP Cooling tower. (4) All Two Cooling Towers are working on 24 X 7 hrs basis. (5) Cirulating water is used for reciprocating type air compressors and centrifugal air compressors. (III) SCOPE OF SUPPLY: (1) Water treatment chemicals are required for corrosion protection, prevention of scale and bio-fouling of mild steel</p>	LOT	8.000	8.00	01.07.14

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,



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Page
2/4

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and copper tubes in circulating cooling water system of reciprocating and centrifugal air compressors .

(2) One lot means quantity of chemical is required for treatment of circulating water system for the period of three months and the same

shall be mentioned in kgs itemwise seperately .

(3) Total quantity of chemicals is required for 24(Twenty four) months.

(4) The expected Langelier saturation Index (LSI) value is between minus 1.5 to plus 1.5 so that the scale formation and corrosion will be at minimum.

Note:

The supplier shall acheive the required parameters of the treated water using the three chemicals(item 10,20 and 30).

BHEL will not use any other chemical other than the three water treatment chemicals(item 10,20 and 30).Any other chemical if required has also to be included in the scope of supply.

(5) The supplier should give the quantity of the chemicals to be dosed and the frequency, to have trouble free operation.

(6) The supply shall be in staggered manner (once in three month) and accompanied with Material Data sheet and Safety data sheet along with guarantee certificate for the efficiency of the chemicals supplied to BHEL.

(7) The circulating water analysis of all the sumps shall be carried out in the presence of our supervisor once in three months by supplier/supplier's representative and establish the efficiency of their chemicals at his own cost. They may also give other recommendations, if any, to the user.


(8) The commuted price of all three chemicals (item 10,20 and 30) only will be taken into account for calculating the L1 offer considering total quantity recommended by the supplier for one year to maintain circulating water to our required condition as above.

(9) Payment will be made on prorata basis against supply of all three chemicals .

(10) M/s BHEL has every right to cancel the order at any time if the supplied chemicals do not produce satisfactory

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


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3/4

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results.

(11) Blow down of water per tank per day should not exceed 1000 litres.

NOTE: SL.NO. 10 TO 30 SHOULD BE PROCURED FROM SINGLE SOURCE ONLY.

Vendor Qualifying Criteria:

- (1) Vendor should have minimum 2 years experience in this field.
- (2) Previous PO details for supplying similar kind of chemicals/ any other chemical related to descaling and Bio fungal prevention should be submitted along with offer. Otherwise offer will be rejected.


Sl. No.	Description	Lot/No.	Quantity	Unit	Delivery Date
20	CHEMICAL IS REQUIRED TO PREVENT BIO-FOULING IN CIRCULATING WATER SYSTEM AND TO BE USED ALONG WITH ITEM 10 AND 30 .	LOT	8.000	8.00	01.07.14
30	CHEMICAL IS REQUIRED TO PREVENT SCALE FORMATION IN CIRCULATING WATER SYSTEM AND TO BE USED ALONG WITH ITEM 10 AND 20 .	LOT	8.000	8.00	01.07.14
40	Chemical Dosing Pump(for chemicals mentioned in item 10,20 and 30); Electronic Diaphragm Dosing Pump with a capacity of 0.156 litre/hr at 10 bar fitted with Polypropylene liquid end having 6 x 4 mm end connection for pipe / tube and the required tube for 6 metres length each for suction and delivery is to be provided. Note for item 40; 1)Technical data ,,a)Rating at max.back pressure- 10 bar and 0.156 litre/hr ,,b)Rating at nominal back pressure- 6 bar and 0.168 litre/hr ,,c)Suction lift-1.5 m WC. 2)Make: Preferred makes;Prominent / Milton Roy / Mini Max makes or any other make acceptable to BHEL Engineer. 3)There are three number of cooling water tanks, for which three number of dosing pumps are required with the required suction and delivery tubes.	NO	3.000	3.00	01.07.14

General Note:

GENERAL NOTE:

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Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED


MANAGER / PURCHASE
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PLEASE SUBMIT YOUR OFFER IN "TWO PART BID SYSTEM"
AS PER ANNEXURE ENCLOSED.

ENCLOSURES:
ANNEXURE II,III,IV & V


Enclosures:

"LD clause has to be confirmed without fail."

"Payment to vendors will be made only thro E-Payment mode"

The offers should reach us 30 minutes before the time of opening of tenders.
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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,

CAPITAL PURCHASE
COMMERCIAL TERMS AND CONDITIONS

1.0 QUOTATIONS

The Bidders shall submit the offer in **TWO INNER ENVELOPES** as indicated below which shall be sealed in one outer envelope.

Envelope I This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid & annexure III. This envelope should be clearly marked **'Part I - Technical and commercial bid'**,

Indicating Enquiry No., Due Date and Address & Reference of the Bidder.

Envelope II This sealed envelope should contain **price as per Annexure-IV format**. This envelope should be clearly marked **"Part II - Price bid"**, indicating **Enquiry No., Due Date and Address & Reference of the Bidder**.

Both the envelopes (Part I & II) shall be put in one cover (**Envelope III**), duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference 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.

Tender should not be addressed to any individual's name but only by designation to

**SENIOR MANAGER /PURCHASE/ CP & SP/ MM / MFG
BHARAT HEAVY ELECTRICALS LIMITED
HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI - 620 014
TAMIL NADU**

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.

Offers should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in **ENGLISH** or otherwise, the offers will not be considered.

2.0 OPENING OF TENDERS

The Part I - Technical & commercial bid alone would be opened on the Tender opening date.

The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically Suitable Bidders would be informed about the tender opening date through e-mail.

Clarifications if any required by BHEL for Technical evaluation **would be** sought from Bidders before opening of Part II - price bid

For any queries clarifications the bidders may contact us through our **FAX NO. +91 431 2520719** or through e-mail < arjerome@bheltry.co.in > & < chells@bheltry.co.in >

Annexure For Techno Commercial Bid
Check List - to be filled and submitted along with Technical Bid

BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used.	
Prices shall be quoted item wise only as per the model format enclosed	
Prices shall be quoted on " FIRM PRICE " basis only The prices should be only on F.O.R / Despatching station basis with Packing & Forwarding charges if any. Applicable % of ED & Sales Tax, Freight & Insurance, Installation & Commissioning Charges should be clearly Indicated	
Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer	
Liquidated damages @ 0.5% per week subject to a maximum of 10% of the order value shall be applicable for delay in deliveries For Details Refer Annexure- v	
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	
Payment term for supply portion: Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials For details Refer Annexure- v	
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,	
The equipment shall be guaranteed for a period of 12 months from the date of commissioning	
Final inspection and acceptance of equipment will be after installation at BHEL, Trichy	
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	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	
% of Excise Duty with cess	
% of TAX (CST/VAT)-(INGST with FORM-17 or CST with C-FORM)	
Packing & Forwarding Charges (if any in % only)	
Percentage of Freight& transit insurance charges, if any Freight charges from Dispatching station to BHEL, Tiruchirappalli • Supplier should quote for F.O.R-BHEL Trichy Stores.	
As per Commercial terms and conditions, acceptance for participation in Reverse auction (RA).Yes/No to be indicated	
Name of the person for participating reverse auction	
Land Line Number	
Fax Number	
Mobile Number	
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.
- Your offer should be indicating applicable If any P&F Charges, % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., as per our Price Format
- Your specific acceptance to our Payment terms, LD & Risk Purchase Clause are essential for consideration of your offer. Other wise your offer is liable for rejection.
- No row shall be left blank. Please indicate NA, in case the item is "not applicable"

Annexure For Price Bid

**Bharat Heavy Electricals Limited TIRUCHIRAPPALLI
MODEL PRICE BID FORMAT FOR INDIAN BIDDERS**

CAPITAL PURCHASE
Annexure-IV

Enquiry No. & Date:
Bidder's Offer No. & Date:

SI No	Description of item	Unit	Quantity	Rate in Rs.	Value in Rs.
	TOTAL VALUE IN RS.				
	Packing & Forwarding charges in % if any				
	Freight & Insurance Charges In % if freight charges are not mentioned it will be considered as FOR-BHEL TRICHY.				
	Excise Duty (indicate in %)				
	A) TNGST — VAT (%)				
	B) CST with C-FORM — (%)				
	C) CST without C-Form — (%)				
	Approximate Net weight of the total consignment				
	Approximate Gross weight of the total consignment				
	Approximate Dimensions of the 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 shall be attached as an annexure to this price bid format.				

Signature & Seal of Vendor

NOTE:

1. The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, in case the item is "not applicable"
2. Prices shall be quoted item-wise only as per the above format.
3. If Price quoted is Inclusive of ED, the included ED Value and Base Value shall be indicated item-wise.

Payment Term (Indigenous)

If materials are receivable at Stores/Trichy without PBG	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials.
If materials are receivable at Stores/Trichy with PBG	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials and against 10% PBG valid for the warranty period.

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.

Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value.

Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.

Liquidated Damages / Penalty -

Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.

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).

Guarantee / Warranty Period – (if applicable)

Normally No deviation permitted and the deviated offers are liable for rejection.

Ranking-

BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.

Performance Bank Guarantee – (if applicable)

Normally No deviation permitted and the deviated offers are liable for rejection.

NOTE:-

1. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
2. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in commercial terms and conditions.
3. 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.

Special Provisions for Micro and Small Enterprises (MSE)

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs.
3. In case MSE vendor participating in the tender quotes within the price band of L1+15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed Annexure - VII) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Offer/s received without these documents will lead to consideration of their offer at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier.

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
 (hereinafter referred to as 'company') having its registered office at
 is registered under MSMED Act 2006, (Entrepreneur
 Memorandum No (Part-II) dtd:.....,
 Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on
 date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost
 excluding land and building and the items specified by the Ministry of Small Scale Industries vide its
 notification No.S.O.1722(E) dated October 5, 2006 :
 Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and
 furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED
 Act, 2006:
 Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of
 Rs.....Lacs forMicro / Small (Strike off which is not applicable)
 Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant