



# BHARAT HEAVY ELECTRICALS LIMITED

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

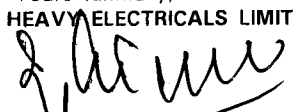
PHONE :2577629  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail: srchandran@bheltry.co.in  
Web:

429-002/A

	<b>Enquiry No</b>  2661400723 - 55	<b>Enquiry Date</b>  29.09.2014	<b>Due Date for Quotation</b>  27.10.2014
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	Heat Exchanger De scaling Chemical De scaling Chemical to remove oxide, carbonate and non-silica deposits from copper tube bundle (tube ID of 8mm) of heat exchangers. The chemical should contain advisable quantity of acid, neutralizer, accelerator and corrosion inhibitor. The chemical should be easy to handle and store by maintenance crew. MSDS of the chemical to be provided. The chemical should not corrode the tubes/heat exchanger. The chemical is to be supplied in proper container. Total number of heat exchangers = 8 Type : Shell and tube heat exchangers Suggested dosage of the chemical while descaling heat exchanger tube bundles: Vendor to specify. SCOPE OF SUPPLY (Common for item 40 ,50 and 60): (01) Water treatment chemicals are required for corrosion protection, prevention of scale and bio-fouling of mild steel and copper tubes in circulating cooling water system of reciprocating and centrifugal air compressors . (02) 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 . (03) Total quantity of chemicals is required for 24(Twenty four) months. (04) 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 40,50,and 60). BHEL will not use any other chemical other than the three water	LOT	8.000	8.00	29.01.15

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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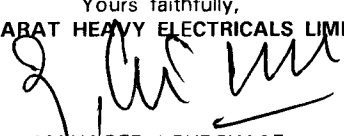
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2661400723 / 29.09.2014

- treatment chemicals(item 40,50 and 60)Any other chemical if required has also to be included in the scope of supply.
- (05) The supplier should give the quantity of the chemicals to be dosed and the frequency, to have trouble free operation.
- (06) 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.
- (07) Once in 3 months the supplier should evaluate the circulating cooling water for ph, calcium hardness, m alkalinity, p alkalinity, total dissolved solids following the results obtained, the supplier has to provide the combination and percentage of chemicals to be added and its dosages.
- (08) The supplier shall bring his own measuring equipments for evaluating the water composition.
- (09) The commulative price of all three chemicals (item 40,50 and 60) will be taken into account for calculating the L1 offer considering total quantity recommended by the supplier for Two year to maintain circulating water to our required condition as above.
- (10) Payment will be made on prorata basis against supply of all three chemicals .
- (11) M/s BHEL has every right to cancel the order at any time if the supplied chemicals do not produce satisfactory results.
- (12) For further evaluation and understanding of the cooling water system, the supplier may visit BHEL prior to giving a quotation
- (13) The supplier should quote for the complete scope mentioned above
- Vendor Qualitying 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.
- (3) Company profile details has to be provided along with offer.

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

  
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2661400723 / 29.09.2014

20 LOT 8.000 8.00 29.01.15

Water treatment chemical for corrosion protection and scale prevention of Cooling Water System for Centrifugal Air Compressor (Materials in contact are mild steel, stainless steel, copper, rubber, plastic etc).

The chemical should control the scale formation. The chemicals prevent is to be used in combination with Item 60.

COMMON SPECIFICATION FOR ITEM 50 AND 60:

A. EXISTING QUALITY OF WATER AVAILABLE

1. Colour : Clear
2. pH at 25 degree C : 7.0 to 8.0
3. Calcium hardness as CaCo3 in ppm : 70 to 100
4. M alkalinity as CaCo3 in ppm : 200
5. p alkalinity as CaCo3 in ppm : Nil
6. Total dissolved solids in ppm : 450

30 LOT 8.000 8.00 29.01.15

Water treatment chemical for bio fouling prevention of Cooling Water System for Centrifugal Air Compressor (Materials in contact are mild steel, stainless steel, copper, rubber, plastic etc). The chemicals prevent the fungui formation and to be used in combination with Item 50.

### General Note:

GENERAL NOTE: PLEASE SUBMIT YOUR OFFER IN "TWO PART BID SYSTEM" AS PER THE ANNEXURES ENCLOSED.

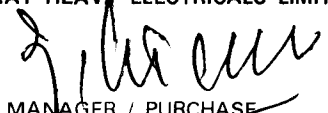
ENCLOSURES: ANNEXURE II, III, IV, V, VI, VII.

### Enclosures:

"LD clause has to be confirmed without fail."

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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 <mmcpmfg1@bheltry.co.in >&< chellis@bheltry.co.in>

**MM: CP & SP**  
**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 <b>quoted item wise</b> only as per the model format enclosed	
Prices shall be quoted on " <b>FIRM PRICE</b> " basis only The prices should be only on <b>F.O.R / Despatching station</b> basis with <b>Packing &amp; Forwarding</b> charges if any. <b>Applicable % of ED &amp; Sales Tax, Freight &amp; Insurance, Installation &amp; Commissioning Charges should be clearly Indicated</b>	
<b>Validity of offer</b> 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	
<b>Liquidated damages @ 0.5% per week</b> subject to a maximum of 10% of the order value shall be applicable for delay in deliveries <b>For Details Refer Annexure- v</b>	
<b>Following Risk Purchase clause</b> 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	
<b>Payment term for supply portion:</b> Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials <b>For details Refer Annexure- v</b>	
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 <b>sealed cover super-scribing clearly the Enquiry reference and due date.</b>	
% 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"



**Payment Term (Indigenous)**

<b>If materials are receivable at Stores/Trichy <u>without</u> PBG</b>	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials.
<b>If materials are receivable at Stores/Trichy <u>with</u> PBG</b>	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 the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -VII where deemed validity of EM II certificate of five Years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer."

**Certificate by Chartered Accountant on letter head**

This is to Certify that MIS .....  
(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 per the latest audited financial year as per MSMED Act 2006 is as follows:

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.0,1722(E) dated October 6. 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

(Strike off whichever is not applicable)

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

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not  
applicable) and the date of graduation of such enterprise from its original category is .....  
(ddmmiyyy) which is within the period of 3 years from the date of graduation of such  
enterprise from its original category as notified vide S.D. No. 3322(E) dated 01.11.2013  
published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant