



429-002/A

**BHARAT HEAVY ELECTRICALS LIMITED**

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

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

Enquiry No	Enquiry Date	Due Date for Quotation
2661600090 - 55	05.03.2016	30.03.2016
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. <b>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 &amp; Enq. Due date must be written on all three covers.</b>		

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	Fumes Exhaust Blower Supply of Fumes exhaust blower for Fumes Exhaust Blower for Salt Bath Furnace, Heat Treatment Shop, Bldg.63 / VPN as per Annexure Part-A and Part-B attached.	NO	1.000	1.00	30.06.16
20	Erection & Commissioning	AU	1.000	1.00	01.08.16

**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

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

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

**V. CHELLIAH**  
Sr Manager / Purchase  
MM / RM / CP & SP  
BHEL, TRICHY - 620 014 (FOSSIL BOILERS)  
Yours faithfully,

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2661600090 / 05.03.2016

23505

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.

**Enclosures:**

"LD clause has to be confirmed without fail."

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.

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**V. CHELLIAH**  
Sr Manager / Purchase  
MM / RM / CP & Sr Manager / PURCHASE  
BHEL, TRICHY - 620 014 (FOSSIL BOILERS)  
Yours faithfully,

## ANNEXURE

## PART - A : PRE - QUALIFICATION CRITERIA

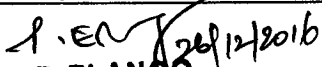
SUPPLY OF INDOOR UNITS FOR SPLIT AIR CONDITIONERS		Vendor to specify details
Sl.No.	Pre - Qualification Criteria	
1	Only those Bidders / vendors, who have supplied Fumes Exhaust blowers of minimum capacity 10000 CMH to BHEL (or) any other organisations shall quote.	
2	The Bidder / vendor should submit following details which are necessary for qualifying their offer	
2.1	Name and postal address of the customer / company where Fumes Exhaust blowers of minimum capacity 10000 CMH were supplied.	
2.2	Phone, Fax no. and email address of the contact person of the customer	
2.3	The Bidder / vendor should furnish relevant Purchase order reference towards the supply of Fumes Exhaust blowers of minimum capacity 10000 CMH to BHEL (or) any other organisation. The Purchase order should be in the name of the vendor	
2.4	The Bidder / Vendor should submit atleast one Performance certificate for the satisfactory performance of the equipment supplied in the letter head of the customer w.r.t Clause no.: 2.3.	
2.5	BHEL reserves the right to verify the information provided by Bidder / vendor. In case the information provided by Bidder / vendor is found to be false / incorrect, the offer shall be rejected.	

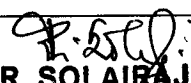
P. ELANGO  
26/2/16  
P. ELANGO  
Maintenance Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.

R. SOLAIRAJ  
26/02/2016  
R. SOLAIRAJ  
Sr. Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.

**ANNEXURE**  
**PART-B Technical Specification**  
**SPECIFICATION FOR FUME EXHAUST BLOWER FOR HEAT TREATMENT SHOP / VPN / BLDG.6**  
**TOTAL QTY-1 no.**

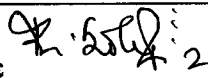
SL NO	DESCRIPTION	VENDOR'S OFFER (With technical details)
<b>1.0</b>	<b>PURPOSE &amp; MEDIUM</b>	
1.1	<b>Purpose:</b> The purpose of the system is to exhaust out the fumes generated out of the Salt Bath furnace in the Heat Treatment shop / VPN / Bldg.6	
1.2	<b>MEDIUM to be exhausted:</b> Vapours coming out of Salt Bath Furnace	
<b>2.0</b>	<b>CONSTRUCTION</b>	
2.1	Each of the industrial exhaust fan assembly shall consist of the following items in assembled condition.	
2.2	<ul style="list-style-type: none"> <li>a. Exhaust Fan and casing with impellor</li> <li>b. Motor</li> <li>c. V Belt driven type</li> <li>d. Base frame with lifting handles</li> </ul> Vendor to confirm that the above items will be available in the supplied Exhaust fan.	
<b>3.0</b>	<b>FUME EXHAUST FAN</b>	
3.1	Type of Fan: Centrifugal. Vendor to Confirm	
3.2	Application: Induced Draught. Vendor to Confirm	
3.3	Impeller pattern : backward curved/ forward curved Vendor to confirm and specify the pattern type	
3.4	Volume/ flow rate: 10000 CMH. Vendor to confirm.	
3.5	Static Pressure: Vendor to specify	
3.6	Impeller material construction – SS 316. Vendor to Confirm	
3.7	Casing material - SS 316. Vendor to Confirm	
3.8	Casing thickness – 12 Gauge minimum. Vendor to Confirm and specify the exact thickness	
3.9	V-Belt driven type. Vendor to Confirm	
3.10	Make of the Exhaust fan: Vendor to Specify	
<b>4.0</b>	<b>FAN MOTOR</b>	
4.1	Motor power Rating - Vendor to specify	
4.2	Motor RPM - Vendor to specify.	
4.3	Motor power Rating in KW (Minimum 3.7 KW) – Vendor to confirm & specify	
4.4	Motor insulation Class - F. Vendor to Confirm	
4.5	All Motors should be of EFF -1 as per IEC standard. Vendor to Confirm	
4.6	Make: ABB/Siemens/ Crompton greaves/Kirloskar/ Alstom (Marathon)/NGEF/Hindustan/Bharat Bijlee only. Vendor to confirm and specify the make.	

  
**P. ELANGO**  
 Maintenance Engineer  
 Maintenance & Services  
 BHEL TRICHY - 620 014

  
**R. SOLAIRAJ** 26/02/2016  
 Sr. Engineer  
 Maintenance & Services  
 BHEL TRICHY - 620 014

SL NO	DESCRIPTION	VENDOR'S OFFER (With technical details)
4.8	<b>The exhaust fan should comply with the following construction / performance parameters:</b>	
4.8.1	Full welding of impeller blades with the rotating base plate. Vendor to confirm	
4.8.2	Availability of sufficient strengthening stiffeners in the body / support structure of the blower. Vendor to confirm	
4.8.3	Noise level: Max. 85 ± 3 dBA @ 1.5 meter distance. Vendor to confirm	
4.8.4	Vibration level: As per ISO-14694. Up to 4.8 mm/sec (RMS). Vendor to confirm	
4.8.5	Dynamic balancing of impeller at rated speed. Vendor to confirm	
5.0	<b>Interconnection with the existing FRP Ducting system</b>	
5.1	The supplier has to interconnect the exhaust blower to the existing FRP chimney and the FRP ducting systems with suitable modifications. Stainless steel collar (SS 316) has to be provided for the interconnection purpose. Vendor to confirm.	
6.0	<b>Electrical:</b>	
6.1	The existing starter and electrical cabling shall be used for the new installation. Modifications if any in these items will be under BHEL's scope.	
7.0	<b>PRE DISPATCH INSPECTION</b>	
7.1	Exhaust system and its accessories to be offered for Inspection by BHEL for checking the outlook and performance before despatch at vendor's works. If required it shall be offered at blower supplier's works. Vendor to confirm	
8.0	<b>ERECTION AND COMMISSIONING</b>	
8.1	Exhaust system has to be positioned & to be interconnected with the existing ducting & chimney as per the instructions of the BHEL executive in-charge. Vendor to confirm	
8.2	All the manpower required for the above erection activities (Both mechanical and electrical cabling) are under the scope of the vendor. Vendor to confirm	
8.3	During commissioning the supplier has to prove the design parameters of the installed systems as per the order and specifications. Vendor to confirm	
8.4	Vendors should furnish the scope of civil work like foundations, Anchoring etc well in advance with details. Civil work like concrete foundation for installation of blower along with grouting foundation bolts / anchoring bolts, wall opening, if required shall be done by BHEL. Vendor to confirm.	
8.5	All fasteners, stainless steel collar for interconnection, gaskets, clamps, Hand tools and accessories, lifting tackles, structural items required for the erection activities are under the scope of the supplier. (Fasteners like bolt, nut, washer etc required for connecting the interconnections should be of stainless steel.) All the above equipment brought by the supplier should be properly entered at the security with pass. Vendor to confirm	

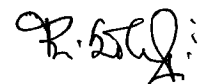

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SL NO	DESCRIPTION	VENDOR'S OFFER (With technical details)
8.6	All the consumables like water, welding electrodes, compressed air, electricity, cutting gas for the installation of equipment and Material movement facility will be issued by BHEL at free of cost.	
9.0	<b>Guarantee :</b>	
9.1	12 months from the date of commissioning and acceptance at BHEL works or 18 months from the date of supply whichever is earlier. Vendor to confirm	
9.2	10% PBG to be submitted by the vendor after placing order. Vendor to confirm.	
10.0	<b>General</b>	
10.1	Suitable anti vibration mount for the blowers to be provided by the supplier. Vendor to confirm	
10.2	Suitable protection guard for motor and belt to be provided by the supplier. Vendor to confirm	
10.3	Three sets of catalogue & operating manual should be supplied along with their equipment. Vendor to confirm	
10.4	Rigid packing for all the supplied items to be ensured. Vendor to confirm.	
10.5	Supplier should adhere necessary safety precautions while carrying out this work. Vendor to confirm.	

**NOTE: The vendor can visit the site before submitting the offer, to assess the quantum of work involved including the work if required.**

  
26/2/16  
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Maintenance Engineer  
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Sr. Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.

**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

**The Tender Opening Cell/MM**  
**Room No-26 , Building – 24 , Ground Floor**  
**Bharat Heavy Electrical Limited**  
**Tiruchirapalli- 620014 .**

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 <arunachal@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 <b>quoted item wise</b> 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 <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>	
Confirm MSE vendor or not (Incase of MSE vendor necessary documentary proof shall be furnished as per Annexure VI)	
% 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"



<b>Payment Term (Indigenous)</b>	
<b>If materials are receivable at Stores/Trichy without 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 with 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.	

Offers of indigenous Suppliers with any other Payment terms will be rejected.

#### **Liquidated Damages / Penalty -**

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.

#### **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.

**Fraud prevention clause:** The bidder along with its associate/collaborator/sub-contractor/sub-vendor/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.

#### **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.  
Such Micro/Small Enterprises registered vendors must state the sub-category to which they belong and submit documentary proof for the same. The sub-categories are:
  - (a) Enterprises owned by Scheduled Castes.
  - (b) Enterprises owned by Scheduled Tribes.
  - (c) Enterprises owned by other than above two categories

The enterprises under (a) & (b) means the proprietor in case of single owned firm and all partners in case of partnership firm and all directors in case of private/public limited must belong to SC/ST category.
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 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 for .....Micro / Small (Strike off which is not applicable)  
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant