



# BHARAT HEAVY ELECTRICALS LIMITED

HSE, HEEP, BHEL, RANIPUR, HARIDWAR-249403 (U.K.)

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## TENDER NOTICE

### NIT No. : - HSE/15-16/04 dt. 21.11.15

Sealed Tender must be submitted in two parts, i.e., (i) Techno-Commercial Offer and (ii) Price Bid. Both the offers i.e., "Techno-Commercial offer" and "Price Bid" must be sealed in separate envelopes super scribed with NIT no. and name of the contractor. All the envelopes must be sealed in another envelope super scribed with NIT no. , name of the contractor and name of work. Tender documents containing **Techno-Commercial BOQ as per Annexure-'A', Un-Price Bid as per Annexure 'B', Check-List as per Annexure 'C', EM-II Certificate (if applicable) as per Annexure 'D', Details of work done during the last seven years as per Annexure 'E' and Price Bid as per Annexure 'F'** can be obtained from the office of the undersigned or can be downloaded from BHEL web sites [www.bhel.com](http://www.bhel.com).

| Tender no. & date         | Description of items   | Estimated cost  | Earnest Money | Period of work |
|---------------------------|--|-----------------|---------------|----------------|
| HSE/15-16/04 dt. 21.11.15 | Renovation & Fabrication of Painting Fumes Extraction cum Filtration system and their associated works at ACM, Block-4, BHEL-HEEP. | Rs. 48,84,375/- | Rs. 1,00,000  | 6 months       |

**Last date for sale of tender document: 17.12.15 up to 12:00 Noon**

**Date for submission of tender : 18.12.15 up to 1:45 pm**

**Date of opening of tender : 18.12.15 at 2:00 pm**

Place of sale of tender: Office of Sr. Manager (HSE) in Adm. Building no. 4, HEEP, BHEL, Haridwar

Place of deposit of tender: Tender Room, 4<sup>th</sup> floor, Main Administrative Building, HEEP, BHEL

Tender cost: Rs 250/- (Two hundred fifty only) for each tender (non-refundable) to be submitted in the form of demand draft made in favour of Accounts Officer, BHEL, Haridwar payable at Haridwar. For detailed NIT & downloading of tender document please visit our website [www.bhel.com](http://www.bhel.com)

**Amendment / Corrigendum, if any will be hosted on our website & not through press advertisement. Please visit our website before submitting your offer.**

**Sr. Manager (HSE)**

Note :

- Tender cost (non-refundable) in the form of demand draft to be made in favour of Accounts Officer, BHEL, HEEP, Haridwar, payable at Haridwar.
- Tenderers are requested to sign and put seal on all pages of tender document.

## ANNEXURE "A"

### BILL OF QUANTITY

#### MATERIAL SUPPLY INCLUDING SCOPE OF WORK

#### 1. DESCRIPTION OF REQUIRED WORK

*Redesign & providing Painting Fumes Extraction cum Filtration system with Paint arrester Chamber, Duct and Outlet Chimney and Motorized Trolley of 10T capacity*

| S.NO.   | DESCRIPTION OF REQUIRED WORK   |                         |                                      |
|---------|--|-------------------------|--------------------------------------|
| 1.1     | Dimensions of Painting Booth - L x B x H = 12000 mm x 6000 mm x 6000 mm  |                         |                                      |
| 1.2     | The maximum height of the duct shall be 6500mm.  |                         |                                      |
| 1.3     | Exhaust chamber Fabricated with GI 18/20 Sheet with M.S. Support Structure   |                         |                                      |
| 1.4     | Cross draft type paint booth. Airflow rate = Min 48216 CFM, Air Flow velocity = Min 100 FPM  |                         |                                      |
| 1.5     | Job handling Motorized Trolley of 10T capacity to handle jobs inside booth with 12 m approach BG track. Size: W=4 m, L=8 m & H=800 mm.   |                         |                                      |
| 1.6     | Double bi-fold entry doors for a width of 5000 mm at the entrance.   |                         |                                      |
| 1.7     | Exhaust Blowers of suitable capacity to provide the required Airflow considering Static pressure in Ductwork.  |                         |                                      |
| 1.8     | Air filtration system for inlet air and outlet air   |                         |                                      |
| 1.9     | Paint arrester system wet scrubber.  |                         |                                      |
| 1.10    | Fresh Oxygen level to be maintained to ensure safe working condition for painter.  |                         |                                      |
| Note*   | <b><i>Bidders must visit site/work area and study the job content, facilities available, availability of materials, prevailing site conditions including law &amp; order situation etc. before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions. No additional claim shall be entertained by BHEL in future, on account of non-acquaintance of above.</i></b> |                         |                                      |
| SL. NO. | DESCRIPTION OF ITEMS   | DETAILS                 | Vender Remarks / Compliance (YES/NO) |
| 2.1     | Type   | Painting Booth Wet Type |                                      |
| 2.2     | Size (mm x mm x mm)  | 12000x6000x6000 MM      |                                      |
| 2.3     | Construction of Camber   | G.I                     |                                      |
| 2.4     | Thickness  | 18/20G                  |                                      |

|   |  |   |  |
|---|--|---|--|
| 2.5   | Air Flow   | 48216 CFM, Air Flow Velocity Min.100FPM |  |
| 2.6   | Trolley  | Motorized                               |  |
| 2.7   | Trolley Size (mm x mm x mm)  | 4000x8000x800 MM (WXLXH)                |  |
| 2.8   | Door   | Double bifold                           |  |
| 2.18  | All Fan Accessories  | Provided                                |  |
| 2.19  | Outlet Chimney   | 20 Feet Height                          |  |
| 2.20  | Painting of all equipment at manufacturer's works.(1 coat of red oxide and 2 coat of synthetic enamel paint) Colour will be as per the Site In-charge instruction during the work.   |   |  |
| 2.21  | Electrical cabling work by vendor  |   |  |
| 2.22  | Civil work by vendor   |   |  |
| <b>2. COMMISSIONING:</b>  |  |   |  |
| 3.1   | Party shall undertake commissioning of the supplied components at BHEL, Hardwar. All material required for commissioning of the system shall be supplied by the party free of cost and obligation. All commissioning materials shall be supplied by party.   |   |  |
| <b>3. FINAL ACCEPTANCE:</b>   |  |   |  |
|   | Final Acceptance shall be at HEEP, BHEL, Haridwar after:<br>a) Upon completion of the scope of supply and scope of work at BHEL.<br>b) Final acceptance shall include clearance of all pending issues related to the work contract.<br>c) Successful Commissioning, testing & Demonstration of the system. |   |  |
| <b>4. DELIVERY : (IF WORK IS NOT COMPLETED IN STIPULATED PERIOD ,THEN L.D CLAUSE WILL BE IMPOSED AS PER BHEL TERMS &amp; CONDITIONS.)</b> |  |   |  |
|   | <b>Vendor to note that early completion of work shall be acceptable.</b>   |   |  |

|                                   |   |  |
|-----------------------------------|---|--|
| <b>5. DOCUMENTATION</b>           |   |  |
|                                   | <ul style="list-style-type: none"> <li>i. GA and technical data drawing (in AutoCAD format)</li> <li>ii. Operation and maintenance manual</li> <li>iii. Civil foundation drawing</li> </ul>   |  |
| <b>6. WARRANTY:</b>               |   |  |
|                                   | Party shall stand warranty for all the supplied material and work executed for a period of one year from the date of successful commissioning of the system at BHEL, Haridwar.  |  |
| <b>7. TRAINING:</b>               |   |  |
|                                   | Party shall impart training to BHEL staff, for operation & maintenance of the system Supplied by them during installation & commissioning.  |  |
| <b>8. VENDOR'S OBLIGATION:</b>    |   |  |
|                                   | The vendor shall bring all tools, tackles and testing equipment with them for successful Commissioning of supplied system.  |  |
| <b>10.0 QUALIFYING CONDITIONS</b> |   |  |
| 10.1                              | Average Annual financial turnover of Tenderer during the last 3 years ending 31st March of the previous financial year, should be at least 30% of the estimated cost.   |  |
| 10.2                              | <p>The Vendor must have successfully designed, manufactured ,supplied and commissioned <u>similar system</u> * during last seven years ending 30<sup>th</sup> November 2015 and should be either of the following:</p> <ul style="list-style-type: none"> <li>a. Three work order of fume extraction cum filtration system with each work order costing not less than <b>Rs. 19.53 Lacs.</b></li> <li>or</li> <li>b. Two work order of fume extraction cum filtration system with each work order costing not less than <b>Rs. 24.42 Lacs.</b></li> <li>or</li> <li>c. One work order of fume extraction cum filtration system with each work order costing not less than <b>Rs. 39.07 Lacs.</b></li> </ul> <p>*<u>Similar system</u> means: Vendor have successfully carried out fabrication, installation &amp; commissioning of fume extraction system for Painting Booth with wet/Dry Scrubber unit work.</p> |  |

|   |  |  |
|---|--|--|
| 10.3                                      | Vendor to provide P.O./W.O copies and commissioning/ performance certificates for satisfactory operation of the similar system during last 7 years ending 30 <sup>th</sup> November 2015 along with name, address & contact details of their customer. BHEL reserves the right to verify the information provided. <b><u>Annexure “F”</u></b>  |  |
| <b>11.0 EARNEST MONEY DEPOSIT ( EMD):</b> |  |  |
| 11.1                                      | Vendors have to deposit <b>Rs 1.0 Lacs</b> as EMD. EMD may be deposited in cash, through pay order or through demand draft in favor of Accounts Officer, HEEP, BHEL, Haridwar only.  |  |
| 11.2                                      | EMD shall be converted to Security deposit if the work is awarded.   |  |
| 11.3                                      | EMD of unsuccessful bidders shall be refunded back normally within fifteen days of acceptance of award of work by the successful tenderer.   |  |
| 11.4                                      | EMD shall not carry any interest.  |  |
| 11.5                                      | EMD by tenderer will be forfeited as per tender documents if:  |  |
| 11.6                                      | After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates.  |  |
| 11.7                                      | The tenderer does not commence the work within the period as per LOI/contract.   |  |
| 11.8                                      | <p>Offers without EMD will be rejected and will not be considered for evaluation. However in special cases, valid NSIC certificate may be considered at the discretion of BHEL Management.</p> <p><b>SPECIAL CONDITION FOR MSME:</b></p> <p>“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-B 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. <b><u>Annexure “E”</u></b></p> |  |

|  |  |  |
|--|--|--|
| <b>12.0 SECURITY DEPOSIT (SD):</b>   |  |  |
| 12.1   | Successful vendor shall deposit security. The rate of security deposit will be as below:   |  |
| 12.2   | For work Up to Rs 10 Lakhs : 10% of work order value Above Rs 10 Lakhs upto Rs 50 Lakhs : Rs 1 Lakh + 7.5% amount exceeding Rs 10 Lakhs  |  |
| 12.3   | Above Rs 50 Lakhs: Rs 4 Lakhs + 5% amount exceeding Rs 50 Lakhs  |  |
| 12.4   | The security deposit should be submitted before the start of work in the following forms:  |  |
| 12.5   | i) Cash (As permissible under the Income Tax Act)  |  |
| 12.6   | ii) Pay Order, Demand Draft in favour of HEEP, BHEL, Haridwar.   |  |
| 12.7   | iii) Local cheques of Scheduled Banks, subject to realization.   |  |
| 12.8   | iv) Bank Guarantee from Scheduled Banks/Public Financial Institution as defined in the companies Act. The Bank guarantee format should have the approval of BHEL.  |  |
| 12.8   | EMD of successful tenderer can be converted and adjusted against the Security Deposit.   |  |
| 12.9   | Security Deposit shall not carry any interest.   |  |
| 12.10  | 100% of the Security Deposit amount shall be refunded to the vendor after warranty period for all the supplied material and work executed for a period of one year from the date of successful commissioning of the system at BHEL, Haridwar.              |  |
| <b>13.0 PAYMENT TERMS:</b> (Note: No advance payment shall be made to the vendor.) |  |  |
| 13.1   | Part payment will be made after completion of following milestones   |  |
| 13.2   | Payment of 80% of material cost along with 100% of all taxes & duties (Excise duty, CST/VAT as applicable) shall be payable after inspection & acceptance of material at HEEP, BHEL, Haridwar. Vendor to ensure that all relevant documents are submitted. |  |
| 13.3   | Final payment of balance 20% of material cost, 100% of commissioning charges including service taxes as applicable amount will be made after Final acceptance of the system.   |  |

|  |  |  |
|--|--|--|
| 13.4   | All the payments shall be made through e-payment after submission of following documents along with first bill.  |  |
| 13.5   | E-payment form duly filled (Form will be provided by BHEL)   |  |
| 13.6   | Income tax exemption letter( if applicable)  |  |
| .13.7  | Excise duty & CST/VAT will be paid on material cost and service tax will be paid on Commissioning charges at actuals. Related original documents to be submitted for availing MODVAT credit by BHEL.   |  |
| <b>14.0 GENERAL CONDITIONS:</b>  |  |  |
| 14.1   | The Vendor is advised to visit the site prior to quoting ascertain all the relevant details required for successful completion of the work.  |  |
| 14.2   | Vendor must compulsorily quote the quantity exactly as per the Scope of supply. No reduction in quantity as per the above Scope of supply is permissible.  |  |
| 14.3   | Check List as per Annexure 'C' must be enclosed with techno-commercial bid   |  |
| <b>15.0 BHEL'S OBLIGATION/ FACILITIES:</b>   |  |  |
| 15.1   | Single point electrical / water supply shall be provided by BHEL to the vendor.  |  |
| 15.2   | Crane facility along with lifting tackles, trolleys etc. will be made available free of charge while working in BHEL premises only.  |  |
| 15.3   | Covered storage/ working space with lock and key facility for safe custody of our tools.   |  |
| <b>16.0 OFFER:</b> The offer should be submitted in two parts and in following manner. |  |  |
| <b>17.0 Techno-commercial Bid :</b>  |  |  |
| 17.1   | The envelop shall contain the Techno-commercial Bid (ANNEXURE 'A') with technical details and commercial terms & conditions along with relevant documents like copies of ESI, PF code, PAN No., Service Tax Regn. No., TIN No., CST No., Experience Certificates, Audited Balance Sheet of last 3 years, P.O copies & Commissioning/ Performance certificates (against Pre-qualifying conditions) , Tender fees, EMD and Check List as per ANNEXURE 'C'. |  |

|                               |   |  |
|-------------------------------|---|--|
| 17.2                          | The envelop shall be super scribed with “Techno-Commercial Bid”, Name of work & NIT No.   |  |
| 17.3                          | Point-wise compliance of this scope of supply and work is to be given by vendors while submitting their techno-commercial offer in the format provided by BHEL. Each page of the compliance list has to be signed by the vendor.  |  |
| 17.4                          | The vendor must note that no prices are to be quoted/ mentioned in the techno-commercial offer.   |  |
| <b>18.0 Price Bid :</b>       |   |  |
| 18.1                          | The second envelope shall contain only the price bid with separate price for material, spares, work & applicable taxes & duties on Price Bid Format only as per ANNEXURE ‘B’.   |  |
| 18.2                          | Any other information in the price bid shall not be considered and the quotation is likely to be rejected. Price bid document shall be signed by the bidder at the bottom of the page.  |  |
| 18.3                          | The envelope shall be sealed and super scribed with “Price Bid”, Name of work & NIT No.   |  |
| 18.4                          | Price bids of techno commercially accepted vendors shall be opened.   |  |
| 18.5                          | Both the above two envelopes shall be kept in another sealed cover. The cover shall be super-scribed with “Quotation for (name of work), NIT No. & due date and and shall be submitted in Tender Box kept in the Tender room of Purchase department at the 4th floor of the Main Administrative Building of BHEL, HEEP, Haridwar and it should also contain Bidder address. |  |
| <b>19.0 Commercial Terms:</b> |   |  |
| 19.1                          | Prices shall be quoted on “Firm Price” basis only. The prices should be on F.O.R BHEL, Haridwar basis inclusive of Packing & Forwarding, transit insurance & Transportation charges. Applicable % of ED & Sales Tax, Installation/ Commissioning Charges & Service Tax should be clearly indicated in attached Price bid format as per “Annexure B”                         |  |
| 19.2                          | Validity of offer shall be for a minimum period of 120 days from the date of Tender Opening.  |  |
| 19.3                          | Freight & transit insurance charges from Dispatching station to BHEL, Haridwar shall be borne by the party.   |  |
| 19.4                          | The material will be dispatched to Sr. Manager (HSE), HEEP, BHEL, Haridwar.   |  |

|                      |  |  |
|----------------------|--|--|
| <b>20.0 Packing:</b> |  |  |
| 20.1                 | Supplier shall arrange for adequate protection and packing of the consignment so as to avoid loss and damage during transit and also take appropriate measures to prevent metal parts from rusting and corrosion during transit. Handling instructions shall be clearly printed /painted on the packages. Each package should carry a detailed packing slip. Supplier shall be responsible for any loss/damage during transit due to defective/inadequate packing. |  |

## ANNEXURE –‘B’

### UN-PRICE BID FORMAT

**Name of Work:** Renovation & Fabrication of Painting Fumes Extraction cum Filtration system and their associated works at ACM, Block-4, BHEL-HEEP.

Bidder's Offer No. & Date :

| Sl. No. | Description of item  | Unit | Qty | Basic Rate (in          | Excise Duty (in %)     | CST (in%) (CST with C- FORM) | Service Tax (in %)     | Total Value (in Rs.)    |
|---------|--|------|-----|-------------------------|------------------------|------------------------------|------------------------|-------------------------|
| 1       | Redesign & providing Painting Fumes Extraction cum Filtration system with Paint arrester Chamber, Duct and Outlet Chimney and Motorized Trolley of 10T capacity. | Set  | 01  | “ Please see price bid” | To be filled by bidder | To be filled by bidder       |                        | “ Please see price bid” |
| 2       | Installation & Commissioning   | Set  | 01  | “ Please see price bid” |                        |                              | To be filled by bidder | “ Please see price bid” |
|         | <b>TOTAL COST (in Figures)</b>   |      |     |                         |                        |                              |                        | “ Please see price bid” |
|         | <b>TOTAL COST (in Words) :</b>   |      |     |                         |                        |                              |                        |                         |

## ANNEXURE "C"

**Name of Work:** Renovation & Fabrication of Painting Fumes Extraction cum Filtration system and their associated works at ACM, Block-4, BHEL-HEEP.

Vendor shall ensure that following documents / particulars have been enclosed with tender. This check list shall be enclosed with Techno-commercial Bid.

| S. No. | Particulars   | YES/NO | REMARKS |
|--------|---|--------|---------|
| 1.     | <b>Sealed Techno-commercial Bid</b> as per Annexure 'A' of NIT  |        |         |
| 2.     | <b>Sealed Un-Price Bid</b> as per Annexure 'B' of NIT   |        |         |
| 3.     | <b>Sealed Price Bid</b> as per Annexure 'C' of NIT  |        |         |
| 4.     | <b>Compliance</b> to all the points of the Annexure 'A' of NIT  |        |         |
| 5.     | <b>Audited balance sheets</b> for the last three years should be submitted i.e, 2012-13, 2013-14, 2014-15 required as per |        |         |
| 6.     | <b>P.O. copies and Commissioning/ Performance certificates</b> required as per of Annexure 'A' of NIT                     |        |         |
| 7.     | <b>Name, address &amp; contact details of their customer</b> required as per Annexure 'A' of NIT                          |        |         |
| 8.     | <b>Tender Fee</b> enclosed  |        |         |
| 9.     | <b>Earnest Money Deposit (EMD)</b> required as per Annexure 'A' of NIT  |        |         |

## ANNEXURE "D"

### Certificate by Chartered Accountant on letter head

#### (only for those who are submitting EM-II Certificate)

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 per the latest audited financial year ..... 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

#### (Strike off whichever is not applicable)

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.

#### 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..... (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O.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**

(Sign. & Seal of vendor)

## **ANNEXURE “E”**

### **DETAILS OF WORKS DONE DURING THE LAST SEVEN YEARS:**

**(Refer Qualifying criteria condition No. (iii))**

**(To be submitted along with Techno-Commercial Offer)**

| S.No | Details of Client            |                                | Description of the work                    | Value of contract | Completion time as stated in Tender (in months) | Date of commencement of work | Date of actual completion | Actual value of work done |
|------|------------------------------|--------------------------------|--|-------------------|---|------------------------------|---------------------------|---------------------------|
| (1)  | (2)                          |                                | (3)  | (4)               | (5)   | (6)                          | (7)                       | (8)                       |
|      | <b>Full address of Clint</b> | <b>Postal address of Clint</b> | <b>Contact name, email ID, Contact No.</b> |                   |   |                              |                           |                           |
| 01.  |                              |                                |  |                   |   |                              |                           |                           |
| 02.  |                              |                                |  |                   |   |                              |                           |                           |
| 03.  |                              |                                |  |                   |   |                              |                           |                           |
| 04.  |                              |                                |  |                   |   |                              |                           |                           |
| 05.  |                              |                                |  |                   |   |                              |                           |                           |

**NOTE:** A copy of satisfactory completion certificate and work order copy of each work mentioned above shall have to be submitted by the Contractor along with the tender document. In case of non- fulfilment of above, your offer is liable to be rejected without giving any further opportunity.

**ANNEXURE –‘F’**  
**PRICE BID FORMAT**

**Name of Work:** Renovation & Fabrication of Painting Fumes Extraction cum Filtration system and their associated works at ACM, Block-4, BHEL-HEEP.

Bidder's Offer No. & Date :

| Sl. No. | Description of item  | Unit | Qty | Basic Rate (in | Excise Duty (in %) | CST (in%) (CST with C- FORM) | Service Tax (in %) | Total Value (in Rs.) |
|---------|--|------|-----|----------------|--------------------|------------------------------|--------------------|----------------------|
| 1       | Redesign & providing Painting Fumes Extraction cum Filtration system with Paint arrester Chamber, Duct and Outlet Chimney and Motorized Trolley of 10T capacity.<br><b>(FOR BHEL Haridwar)</b> | Set  | 01  | Rs.            | %                  | %                            |                    | Rs.                  |
| 2       | Installation & Commissioning   | Set  | 01  | Rs.            |                    |                              | %                  | Rs.                  |
|         | <b>TOTAL COST (in Figures)</b>   |      |     |                |                    |                              |                    | Rs.                  |
|         | <b>TOTAL COST (in Words) :</b>   |      |     |                |                    |                              |                    |                      |