



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering & Services

Tender Enquiry No: WEX/TE/TW/22/20 dated 10.05.2023



TENDER DOCUMENT

Tender Enquiry No. : WEX/TE/TW/22/20 dated 10.05.2023

For

“Operation and maintenance of 03 numbers Voltas make screw chiller based air conditioning plants and 3 numbers Air Washer units in BHEL-Jhansi (Works Contract)”

Contact Person: -

Name: Mohd Afaqu
Designation: Dy. Manager/WEX
Email: mohdafaqu@bhel.in
PH: 0510-2412359

Tender Due Date: 30.05.2023, at 13:15 Hrs.

Tender Opening Date: 30.05.2023, at 14:00 Hrs.

| | |
|------------|--|
| Rev | Short details of revision (In case of revision in tender document, otherwise NA) |
| Date: | |

Department: Works Engineering & Services
BHEL, PO: BHEL, Jhansi-284120 (UP)

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering & Services

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DETAILS OF TENDER DOCUMENT

Nature of work: **“Operation and maintenance of 03 numbers Voltas make screw chiller based air-conditioning plants and 3 numbers Air Washer units in BHEL-Jhansi (Work Contract)”**

BHEL -JHANSI is in the process of finalizing Works Contract for **“Operation and maintenance of 03 numbers Voltas make screw chiller based air-conditioning plants and 3 numbers Air Washer units in BHEL-Jhansi (Works Contract)”**

The tender document has been detailed as follows:

- a. Notice Inviting Tender (Annexure A)
- b. Scope of work & Work Specifications (Annexure B)
- c. Qualifying Requirements (Annexure C)
- d. Special Terms and Conditions (Annexure D)
- e. General Terms and Conditions (JHS 2055B R00)
- f. Blank Price Bid format (Annexure E(a))
- g. Price Bid format (Annexure E(b))
- h. Document referred in GTC (Annexure I- XI)

The duly filled in technical bid, blank price bid and price bid (refer annexure E, F (a) & F (b)) separately along with the tender instructions & contractor obligations, general terms and conditions with the signature & seal of the tenderer on all the pages and complete in all respects super scribed as “Quotation for Tender No. WEX/TE/TW/22/20 Dated 27.03.2023” should reach us in a sealed cover on or before 17.04.2023 (13.15 hours) through Registered / Speed post or the same may be dropped in the tender box available at the following address: (refer GTC ii (c).

To
Tender Box
Security Control Room/Office
Administrative Building
Bharat Heavy Electricals Limited
Jhansi-284120 (UP)

Note: 1) Dropping of tender in the Tender Box within schedule time and date is the responsibility of the bidder.
2) Technical bid and price bid should be submitted in separate sealed envelopes, in case the bids founds in one single envelope then the “bids” are liable to be rejected.

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Tender Document

TENDER ENQUIRY NO: WEX/TE/TW/22/20

Date: 27.03.2023

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| 3 | Work Specifications/ Scope of Work | B | 5-6 |
| 4 | Qualifying Requirements | C | 7 |
| 6 | Technical Bid | D | 8-9 |
| 7 | General Terms and Conditions | JHS 2055B R002 | 10-23 |
| 8 | Blank Price Bid Format | F (a) | 41 |
| 9 | Price Bid Format | F (b) | 42 |
| 10 | Document referred in GTC | I-XI | 24-40 |

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Annexure-A

NOTICE FOR INVITING TENDER

| S. No | Particulars | Details |
|-------|---|--|
| 1 | Brief Description of work | Operation and maintenance of 03 numbers Voltas make screw chiller based air-conditioning plants and 3 numbers Air Washer units in BHEL-Jhansi. |
| 2 | Tender Evaluation Criteria | As per GTC point (iv) |
| 3 | Duration of Contract | One year |
| 4 | Last date of receipt of the Tender | Up to 13:15 hrs. on 30.05.2023 |
| 5 | Date of opening of Techno – Commercial Bid. | 14:00 hrs. on 30.05.2023 |
| 6 | Address for submitting the Tender | As per GTC point ii(c) |
| 7 | Earnest Money Deposit * (EMD) | Rs. 20163.00/- |
| 8 | Cost of Tender | NIL |
| 9 | MSME Clause | MSME benefit not applicable |
| 9 | Validity of Offer | 120 Days |
| 10 | Security Deposit | As per GTC point (ix) |
| 11 | Reverse Auction | BHEL Shall be resorting to reverse auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in the reverse auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking. |
| 12 | Start-up scheme Benefit | Not Applicable |

Note: *

The EMD shall be accepted only in the following forms:

Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL account details: Bank Name: - SBI; A/c No. : - 10670828866; IFSCCode: - SBIN0003807 A/c Holder Name: - BHARAT HEAVY ELECTRICALS LIMITED

The contractors may physically visit the work place before quoting their rates. For relevant details please visit our website “www.bhel.com” & jhs.bhel.com.

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Tender Enquiry No: WEX/TE/TW/22/20 dated 10.05.2023

Annexure B

Name of Work: Operation and maintenance of 03 numbers Voltas make screw chiller based air-conditioning plants and 3 numbers Air Washer units in BHEL-Jhansi (Works Contract).

Detail of work:

| Sl. No. | Job/Activity | Unit Of Measurement | Quantum of Work (Annual) |
|---------|---|---------------------|--------------------------|
| 1 | Operation and maintenance of 03 numbers Voltas make screw chiller based air-conditioning plants, capacity of each plant 120 TR with AHU units of 27000 CFM (for operating plants in A & B shift and operation in C shift (as and when required by BHEL)) in BHEL-Jhansi for a period of one year. | Month | 12 |
| 2 | Operation and maintenance of 03 numbers Air Washer Units of 7200 CFM for operation in A & B shift and operation in C shift (as and when required by BHEL) in BHEL-Jhansi for a period of one year. | Month | 12 |

SCOPE OF WORK:

- 1. Operation of Voltas Make Screw Chiller based Air-Conditioning plant:** Vendor to ensure operation of 03 numbers Screw chiller based air-conditioning plant installed at Bay-11 (new winding shop) in A and B shift. Operation in C shift may also be ensured as and when required by BHEL.
- 2. Breakdown maintenance of Screw Chiller based Air-Conditioning plant:** All the breakdowns shall be recorded in log book and same shall be attended on day to day basis. If any breakdown is pending due to spares requirement or for any major work involved, same shall be informed to the section in-charge. Vendor to maintain and keep proper record of all the attended breakdowns.
- 3. Operation of Air Washer unit:** Vendor to ensure operation of 03 numbers Air Washer units of 7200 CFM installed at Bay-6 in A and B shift. Operation in C shift may also be ensured as and when required by BHEL.
- 4. Break down maintenance of Air Washer Units:** All the breakdowns shall be recorded in log book and same shall be attended on day to day basis. If any breakdown is pending due to spares requirement or for any major work involved, same shall be informed to the section in-charge. Vendor to maintain and keep proper record of all the attended breakdowns.



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5. **Routine Maintenance of plants:** Routine maintenance of the plants and air washer units shall be carried out on daily basis by the vendor as instructed by section in-charge.
6. Descaling of shell and tube condenser/ heat exchanger of Screw chiller based air-conditioning plant shall be done once in a contract period. Chemical needed for cleaning of shell and tube condenser shall be provided by BHEL.
7. **Pro-active measures towards daily operation of plant:** Following proactive activities shall be ensured by the vendor regularly before and after operation of the plants / air washer units. Vendor to maintain proper record of proactive activities done.
 - 6.1 Checking of leakage in refrigeration line.
 - 6.2 Keeping the plant / equipment and AHU unit room clean and in good working condition.
 - 6.3 Checking the water level in cooling tower on regular basis.
 - 6.4 Checking of heaters and replacement, if found faulty during winter cycle.
 - 6.5 Cleaning of filters.
 - 6.6 Maintenance of auxiliaries etc.
8. **Period of Contract:** The period of contract shall be for one year.
9. **Spares and consumables :**
 - 8.1 All the spares and consumables required during contract period will be provided by BHEL.
 - 8.2 All the working tools shall be arranged by the party.
10. **Deployment of manpower:** One skilled operator (ITI in Electrician / ITI in Refrigeration and Air Conditioning / ITI in Fitter) with minimum 01 year experience and one experienced helper to carry out operation shall be provided in each A and B shift.

Total manpower required- Two skilled operator and two experienced helper.

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Annexure C

QUALIFYING REQUIREMENTS

| SL | Description of Qualifying requirement |
|----|--|
| 1. | <p>Average Annual Financial turnover:</p> <p>Average Annual financial turnover during the last 3 years ending 31st March 2022, should be at least Rs. 3.02 lacs. (Bidder to attach audited balance sheet and Profit & Loss Account of last three financial years, ending 31st March 2023, or Certificate of CA as proof of financial T/o for respective years). If T/o details of 3 years is not available, then available years T/o shall be evaluated by dividing it by 3.</p> |
| 2. | <p>Experience:</p> <ol style="list-style-type: none">1. Work Experience: Bidder should have experience of having successfully executed similar work (Annual operation and maintenance contract / Erection and Commissioning contract / Manufacturing of screw chiller based air conditioning plant. Capacity of plant shall not be less than 120 TR in all three criteria) during last 7 years ending the month previous to the month of issuing tender enquiry either of the following: -<ol style="list-style-type: none">Three similar works each valuing not less than the amount equal to Rs 4.03 lacs orTwo similar works each valuing not less than the amount equal to Rs 5.04 lacs orOne similar works each valuing not less than the amount equal to Rs 8.07 lacs <p>Executed Similar Work means any service or works contract (annual operation and maintenance contract / Erection and Commissioning contract / Manufacturing of screw chiller based air conditioning plant. Capacity of plant shall not be less than 120 TR.) of requisite value even if the contract has not been completed or closed (in any PSU / CPSU / State govt. / Central Govt./ Private sector)</p> <p>Documentary proof (Completion Certificate and WO/PO / LOI) & TDC certificate issued from traces (Form16A/26AS) for the experience performance report issued by Customer for successful execution of the requisite value to be submitted. In case experience is submitted for work done in BHEL, TDS certificate is not required.</p> |

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Annexure D

TECHNICAL BID APPLICATION FOR Operation and maintenance of 03 no Voltas make screw chiller based air-Conditioning plants in BHEL-Jhansi (Works Contract).

(A) ESSENTIAL DOCUMENTS REQUIRED

1. Name of the firm: _____
2. Name of the Proprietor: _____
3. Address: _____
4. E-mail: _____
5. Contact Numbers: _____
6. ESI Code Number (of the company's operator): _____

Copy of the ESI Certificate Enclosed / Not Enclosed

7. PAN/TAN Number: _____
8. Goods & Service Tax Number (PAN Based): _____

Copy of Certificate Enclosed / Not Enclosed

9. Audited financial statement/CA Certificate as per tender: Enclosed / Not Enclosed
10. Experience Certificate: Enclosed / Not Enclosed

(Along with necessary enclosures as per tender to be submitted)

11. Earnest Money Deposit: Rs. _____
 - a) D.D. Number & Date: _____ Date _____
 - b) Drawn on (Bank): _____

12. Any other relevant information: _____

13. Tender Cost: Rs. _____

D.D. No. /Receipt No: _____

14. Validity of offer: _____

(At least 120 days from the date of tender Opening.)

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15. Blank Price bid format: Enclosed / Not Enclosed

16. PF registration certificate (if exempted, submit exemption proof)

PF registration code: _____

Attach Copy of the PF registration

17. ESI registration certificate: (if exempted submit exemption proof)

ESI registration code: _____

Attach Copy of ESI registration

(B) DESIRABLE:

1. Income Tax return last 3 yrs.: Enclosed / Not Enclosed
2. Acceptance of Reverse Auction: Accepted / not accepted

We will fulfill all the obligations of the contractor and abide by the Terms & Conditions mentioned in the enquiry.

Signature with Name & Office Seal

Date:

NOTE: TECHNICAL BID AND PRICE BID SHOULD BE SUBMITTED IN SEPARATE SEALED ENVELOPS. IN CASE THE BIDS ARE FOUND IN ONE SINGAL ENVELOPE THEN THE "BIDS" ARE LIABLE TO BE REJECTED.

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority