



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering and Services

Tender Enquiry No: **WEX/TE/TW/23/07 dated- 21.05.24**



TENDER DOCUMENT

Tender Enquiry No. : WEX/TE/TW/23/07 Dated 21.05.2024

Annual overhauling of 01 no. coal-fired boiler (Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act in BHEL Jhansi.

(Works Contract)

Contact Person:

Name: Hirendra Raut

Designation: Sr.Manager (WEX)

Email: hirendra@bhel.in

PH: 0510-2770001 (Extn 2581)

Tender Due Date: 04.06.2024 at 13:15 Hrs.

Tender Opening Date: 04.06.2024 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)

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering and Services
Tender Enquiry No: **WEX/TE/TW/23/07 dated - 21.05.24**

DETAILS OF TENDER DOCUMENT

Nature of work: Annual overhauling of 01 no. coal-fired boiler (12 TPH capacity, Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act in BHEL Jhansi

BHEL -Jhansi is in the process of finalizing the Works Contract for **Annual overhauling of 01 no. coal-fired boiler (12 TPH capacity, Reg. No. UP 7709) for open Inspection/dry test and Hydraulic test as per Indian Boiler Regulation Act in BHEL Jhansi.**

The tender document details are mentioned below:

- 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) Technical Bid Application (Annexure E)
- f) Blank Price Bid format (Annexure F(a))
- g) Price Bid format (Annexure F(b))
- h) General Terms and Conditions
- i) Document referred in GTC (Annexure I- XIII)

The duly filled in technical bid, blank price bid and price bid (refer annexure E, F(a) & F(b)) along with the tenders instructions & Contractor's Obligations, General Terms and Conditions with the signature & seal on all the pages and complete in all respects superscribed as **"Quotation for Tender No. WEX/TE/TW/23/07 Dated 21.05.2024"** should reach us in a sealed cover on or before **04.06.2024 (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

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



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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 found in one single envelope then the “bids” are liable to be rejected.

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Tender Document

Tender Enquiry No.: WEX/TE/TW/23/07

Date: 21.05.2024

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Annexure-A

NOTICE FOR INVITING TENDER

Sl No.	Particulars	Details
1	Brief Description of work	Annual overhauling of 01 no. coal-fired boiler (12 TPH capacity, Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act in BHEL Jhansi.
2	Tender Evaluation Criteria	As per GTC point (iv)
3	Duration of Contract	04 months or completion of total work whichever is earlier
4	Last date of receipt of the Tender	Upto 13:15 hrs on 04.06.2024
5	Date of opening of Techno – Commercial Bid.	14:00 hrs on 04.06.2024
6	Address for submitting the Tender	As per GTC point ii(c)
7	Earnest Money Deposit * (EMD)	Rs. 5600
8	Cost of Tender	NIL
9	MSME Clause	As per GTC point (iii)
9	Validity of Offer	120 Days
10	Security Deposit	As per GTC point (ix)

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.: - 106 70828 866; IFS Code: - 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” & www.bheljhs.co.in**



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Annexure-B

WORKS SPECIFICATIONS

1. Details of Work

Sl. No.	Job/Activity	MOU	Quantum of work
1	Annual overhauling of 01 no. coal-fired boiler (12 TPH capacity, Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler	No.	1

2. Scope of Work

A- Overhauling related activities

1. Opening of all furnace manhole doors, duct manhole doors, ESP manhole doors (field and hoppers) and chimney manhole doors.
2. Removal of all ash deposits in boiler cavity, duct, wind-box, ESP and chimney.
3. Cleaning of fluidizing beds, pinning of air nozzles and application of cast able refractory wherever required.
4. Tube cleaning and leak test of APH.
5. Manual/air cleaning of economizer, air-preheater and ESP fields from duct side.
6. Cleaning of FD, ID and PA fans suction chamber by blowing compressed air & refit after cleaning.
7. Ensuring ID, FD, PA fans IGV dampers cleaning and freeness.
8. Bearing inspection and alignment of all ID, FD and PA fans.
9. Inspection and realignment of boiler feed water pumps.
10. Insulation and sheeting works for damaged insulation in ESP inlet duct, feed-water line, Deaerator pegging line.



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11. Opening the manhole doors of deaerator, manual cleaning and removal of debris.
12. Make sure that all the removed parts & open doors have been fitted properly with sealing & Gasket to avoid any leakage.
13. Rectification/replacement of ESP CE and EE rapping hammers.

B- Hydraulic Test related activities

1. Opening the manhole doors of lower and upper drums, manual cleaning and removal of debris.
2. Removal of main steam stop valve and drum safety valve. Removal of any settled debris.
3. Clearing of any choked steam or water line and normalization for inspection.
4. After above work produce boiler for dry test/open inspection to boiler inspection authority.
5. After open inspection of boiler by boiler inspection authority, all manhole door for upper and lower drum to be closed with gasket.
6. Main steam stop valve and drum safety valves flanges to be fixed with dummy plates and gaskets. Any other provision for dummy or isolating the lines to be done for any required isolation for hydraulic test.
7. After above work do the hydraulic testing of boiler in presence of boiler inspection authority.
8. After hydraulic testing install safety valves and main steam stop valve with gasket. Any other arrangement done for hydraulic test to be normalized.

Note: Dry & hydraulic test of the boiler shall be carried out as per directions received by boiler inspector & it can also be done on same day.



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Annexure-C

Qualifying Requirement

Tender for annual overhauling of 01 no. coal-fired boiler (Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act in BHEL Jhansi.

(Works Contract)

1.	<p>Average Annual Financial turnover:</p> <p>1.1) Average Annual financial turnover during the last 3 years, ending 31st March, 2024 should be at least Rs. 0.84 Lakhs. Bidder to attach audited balance sheet and Profit & Loss Account of last three financial years, ending 31st March 2024, or Certificate of CA as proof of financial turnover for respective years.</p> <p>1.2) If all the balance sheets are not available for all three years then the average shall be calculated by dividing the sum of turnover of submitted balance sheets by three.</p>
2.	<p>Experience:</p> <p>Experience of having successfully completed similar work (means repair/overhauling/maintenance of boilers for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act) during last 7 years from the date of tender enquiry should be either of the following:-</p> <p>a. Three similar completed works contracts during last 7 years from the date of tender enquiry each costing not less than the amount equal to Rs. 1.12 Lakhs.</p> <p>OR</p> <p>b. Two similar completed works contracts during last 7 years from the date of tender enquiry each costing not less than the amount equal to Rs. 1.40 Lakhs.</p> <p>OR</p> <p>c. One similar completed works contract during last 7 years from the date of tender enquiry each costing not less than the amount equal to Rs. 2.24 Lakhs.</p>

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Seal & Signature of BHEL contracting authority



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	As evidence of the above information, the bidder to attach the documentary proof as below.							
	<table><tr><th>Worked for</th><th>Documentary Proof to be attached.</th></tr><tr><td>A) Experience in Government Organizations / PSU/Semi Government/Private Sector.</td><td>i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate / Performance certificate iii) TDS Certificate (Form 16 A)</td></tr><tr><td colspan="2">B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.</td></tr></table>	Worked for	Documentary Proof to be attached.	A) Experience in Government Organizations / PSU/Semi Government/Private Sector.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate / Performance certificate iii) TDS Certificate (Form 16 A)	B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.		
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A) Experience in Government Organizations / PSU/Semi Government/Private Sector.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate / Performance certificate iii) TDS Certificate (Form 16 A)							
B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.								
3.	Bidders must submit “Certification of Recognition” from DIRECTORATE OF BOILERS and should be valid for UTTAR PRADESH to carry out repair/overhauling work of boiler of similar capacity as per IBR Act.							
4.	Considering Critical Quality, safety aspects and Technical specification implication of maintenance/inspection work. No relaxation shall be given to MSE/Start-up bidder on account of Prior Experience and Turnover.							

Signature of Bidder with Seal



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Annexure-D

Special Terms & Conditions:

- 1. Co-ordination with the office of boiler inspector for carrying out open inspection/dry test & hydraulic test of the boiler as per IBR is in scope of supplier. However, all statutory fee as per IBR rules shall be paid by BHEL to IBR office.**
- 2. Contractor has to take the work permit from engineer in-charge, before starting the work.**
- 3. Contractor has to ensure the working of their staff safely by issuing them safety items like hand gloves, marking cloth, safety belts, nose mask, safety goggles etc.**
- 4. The contractor has to work during the night as well as during holidays and Sundays according to the exigencies of the works.**
- 5. Contractor shall depute competent supervisor for the satisfactory completion of all mentioned works in co-ordination with BHEL representative.**
- 6. Contractor has to arrange manpower & tools for the work. All the tools required for the above work shall be in the scope of the contractor.**
- 7. Tentative period for boiler overhauling (Reg. No. UP 7709) during the contract period will be in the month of August 2024. However, overhauling schedule is indicative and likely to be changed as per the requirement.**

TECHNICAL BID APPLICATION FOR “Annual overhauling of 01 no. coal-fired boiler (Reg. No. UP 7709) for open Inspection/dry test and Hydraulic Test as per Indian Boiler Regulation Act in BHEL Jhansi”.

(A) ESSENTIAL DOCUMENTS REQUIRED

1. Name of the firm :
2. Name of the Proprietor :
3. Address, e-mail and Contact Numbers :
4. ESI Code Number (of the company’s operator) :
Copy of the ESI Certificate: Enclosed / Not Enclosed
5. PAN/TAN Number :
6. Goods & Service Tax Number (PAN Based) :
Copy of Certificate: Enclosed / Not Enclosed
7. Audited financial statement/CA Certificate as per tender: Enclosed / Not Enclosed
8. Experience Certificate: Enclosed / Not Enclosed
(Along with necessary enclosures tender to be submitted)
9. Earnest Money Deposit: Rs.
 - a) D.D. Number & Date :
 - b) Drawn on (Bank) :
10. Any other relevant information
11. Validity of offer:
(At least 120 days from the date of tender opening.)
12. Blank Price bid format : Enclosed / Not Enclosed
13. PF registration certificate (if exempted, submit exemption proof)
14. PF registration code: (Attach Copy of the PF registration)
15. ESI registration certificate: (If exempted, submit exemption proof)
16. 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.

Date:

Signature with Name & Office Seal

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.