



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering And Services

Tender Enquiry No: WEX/TE/TW/10/04 Dated 06.07.2020 TD: 2020-21, Rev- 00



TENDER DOCUMENT

For Tender Enquiry No.: WEX/TE/TW/10/04 Dt. 06.07.2020

For

"(Preventive and breakdown maintenance of EOT cranes in BHEL-Jhansi)"

(Work Contract)

Contact Person:

Name: Anshuman Sharma

Designation: Dy. Mgr (CMM)

Email: anshuman.sharma@bhel.in

PH: 0510-2412784

Tender Due Date: 14.07.2020, at 13:15 Hrs.

Tender Opening Date: 14.07.2020, at 14:00 Hrs.

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

Works Engineering And Services

BHEL, PO: BHEL, JHANSI 284120 (UP)

DETAILS OF TENDER DOCUMENT



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering And Services

Tender Enquiry No: WEX/TE/TW/10/04 Dated 06.07.2020 TD: 2020-21, Rev- 00

Nature of work: **Preventive and breakdown maintenance of EOT cranes in BHEL-Jhansi.**

1. BHEL -JHANSI is in the process of finalizing the Works Contract for **Preventive and breakdown maintenance of EOT cranes in BHEL-Jhansi**
2. 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) Technical Bid Application (Annexure E)
 - f) General Terms and Conditions (JHS 2055B R00)
 - g) Blank Price Bid format (Annexure F(a))
 - h) Price Bid format (Annexure F(b))
 - i) Document referred in GTC (Annexure I- IX)

The duly filled in Technical and Price / Rate bids (Annexure E and F (a&b)) separately along with the instructions to the tenders, General Terms and Conditions with the signature of the tender on all the pages and complete in all respects super scribed as "**Quotation for Tender No. WEX/TE/TW/10/04 Dated 06.07.2020**" should reach us in a sealed cover on or before **14.07.2020 (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
CISF 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.

Tender Documents

TENDER ENQUIRY NO: WEX/TE/TW/10/04

DATE: 06.07.2020

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Annexure A

NOTICE FOR INVITING TENDER

S. No	Particulars	Details
1	Brief Description of work	Preventive and breakdown maintenance of EOT cranes 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 14.07.2020
5	Date of opening of Techno – Commercial Bid.	14:00 hrs on 14.07.2020
6	Address for submitting the Tender	As per GTC point ii(c)
7	Earnest Money Deposit * (EMD)	Rs 27728.00
8	Cost of Tender	NIL
9	MSME Clause	As per GTC point (iii)
9	Validity of Offer	90 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. :- 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” & www.bheljhs.co.in**

Annexure B

WORK SPECIFICATION

(A) DETAILS OF WORK

Sl.No	JOB/ACTIVITY	UNIT OF MEASUREMENT	QUANTUM OF WORK ANNUAL
1	Preventive and breakdown maintenance of EOT cranes(90 nos.) in BHEL-Jhansi for a period of one year.	Months	12

(B) SCOPE OF WORK

The work mainly comprises of monthly checking, Preventive, Breakdown maintenance and general upkeep of:

- 1.1 **EOT CRANES**:-This includes all Electric overhead cranes varying from 5 to 125 Ton Capacity of all makes including D.S Lead, main switches etc.(Qty-56 nos, detail as per Annexure-B, Page 5-6).
- 1.2 **SEMI GANTRY CRANES**:-This includes all Semi gantry cranes varying from 2 to 3 Ton Capacity of all makes including D.S Lead, main switches etc.(Qty-4 nos, detail as per Annexure-B, Page 5-6)
- 1.3 **JIB CRANES**:-This includes all Jib cranes equipped with hoist of Techno Commercial, Tak, Reva Ltd. Etc. varying from 1 to 2 Ton Capacity (Qty-24 nos. detail as per Annexure-B, Page 5-6).
- 1.4 **HOT CRANES**:- This includes all Hand operated overhead cranes varying from 2 to 10 Ton Capacity of all makes (Qty-05 nos, detail as per Annexure-B, Page 5-6).
- 1.5 **GOLIATH CRANE**:-This includes 01 NO Cranex make 25 ton capacity Goliath crane (detail as per Annexure-B, Page 5-6).
- 1.6 Any additional crane if it is added will be covered automatically under the preview of the contract.

1.0 PREVENTIVE MAINTENANCE

- 1.1 Preventive maintenance work of cranes shall be done once a year for each crane and shall be confirmed as per our checklist along with Cleaning and alignment of D.S. Lead of cranes and semi gantry cranes.
- 1.2 Preventive maintenance schedule shall be prepared and shall be completed in time.
- 1.3 Contractor shall arrange to take up the preventive maintenance of crane on Sunday and Holidays, only after ensuring the release from the area maintenance in charge. The crane may also be taken for preventive maintenance in weekdays with prior approval of maintenance/production. For working on Sunday and Holiday prior approval of maintenance in charge and CISF, BHEL, Jhansi is necessary.

1.4 Monthly Preventive maintenance report shall be prepared and sent to Sr. Manager (WE&S) after counter signed by Crane Maintenance in charge along with all check list.

3.0 BREAKDOWN MAINTENANCE

3.1 Breakdown shall be reported on Breakdown report form by the production/user directly.

3.2 After endorsing the date & time of receipt, breakdown shall be attended.

3.3 Immediately after attending of breakdown, supervisor shall report back to production for their endorsement. Supervisor shall also inform to the In-charge crane maintenance regarding handing over of the crane to production.

3.4 A daily breakdown report and report of major work done shall be prepared and submitted to In-charge Crane Maintenance along with all attended breakdown reports, after its endorsement from in charge crane maintenance.

4.0 SCOPE OF CONTRACT WORK FACILITY

4.1 Contractor shall arrange his own tools and tackles for removal, dismantling, assembling and re-installation of hoist, motor, gear boxes etc. however all the spares including consumable like gear oil, grease, cotton waste, Electrical items, gas cutting, welding and machining facilities, repair and rewinding of motors, coils etc. shall be provided by BHEL, Jhansi free of cost at ground level but vigilant for arrangement of genuine spares substitution by better parts/methods are to be adopted voluntarily by the contractor to minimize the breakdown time.

4.2 To carry out the above mentioned work during total contract period the contractor will deploy adequate numbers of experienced electricians, fitters, welders and helpers (with an approval of section / maintenance in charge) per day in two shifts operation regularly and in third shift on as and when requirement basis..

4.3 A responsible and competent supervisor shall be posted to co-ordinate and supervise only to the work of preventive and breakdown maintenance of cranes in factory in all three shifts.

4.4 Contractor shall maintain all records like work requisitions form, spare list, and all other records pertaining to his work.

5.0 URGENT WORK

5.1 The contractor shall have to comply with the priorities fixed by the crane maintenance in charge or for taking urgent repair work.

Detail of Cranes covered under the contract is as below. The party may visit the cranes before submitting his offer.

DETAIL OF CRANES:

Sl.No.	Year of Comm.	Crane No.	Capacity	Type / Make	Location	Qty.
01	1977	SP/CR/ 9503 1	10 Ton	EOT Crane Jessop	Bay-00	1 No.
02	2008	SP/CR/ 9558 1	10 Ton	EOT Crane Rockwell	Bay-00	1 No.
03	1978	SP/CR/ 9503 2	10 Ton	EOT Crane K/U	Bay-0	1 No.
04	1978	SP/CR/ 9503 5	10 Ton	EOT Crane Jessop	Bay-0	1 No.
05	1978	SP/CR/ 9503 6	10 Ton	EOT Crane K/U	Bay-0	1 No.
06	1977	SP/CR/ 9515 1	01 Ton	JIB Crane Tak	Bay-0	1 No.
07	1977	SP/CR/ 9506 1	25/5 Ton	EOT Crane Jessop	Bay-1	1 No.
08	1977	SP/CR/ 9506 2	25/5 Ton	EOT Crane WMI	Bay-1	1 No.
09	1978	SP/CR/ 9503 3	10 Ton	EOT Crane Jessop	Bay-1	1 No.
10	1977	SP/CR/ 9514 3	01 Ton	JIB Crane Tak	Bay-2	1 No.
11	2008	SP/CR/ 9557 1	25/5 Ton	EOT Crane Century	Bay-2	1 No.
12	1978	SP/CR/ 9503 4	10 Ton	EOT Crane Jessop	Bay-2	1 No.
13	1977	SP/CR/ 9504 3	25/5 Ton	EOT Crane WMI	Bay-2	1 No.
14	1976	SP/CR/ 9510 1	02 Ton	EOT Crane Bhopal	Bay-3	1 No.
15	1984	SP/CR/ 9523 1	05 Ton	EOT Crane WMI	Bay-3	1 No.
16	2009	SP/CR/ 9563 1	10 Ton	EOT Crane Rockwell	Bay-3	1 No.
17	1977	SP/CR/ 9507 1	25/5 Ton	EOT Crane Jessop	Bay-4	1 No.
18	1980	SP/CR/ 9520 1	10 Ton	EOT Crane WMI	Bay-4	1 No.
19	2006	SP/CR/ 9552 1	10 Ton	EOT Crane Cranex	Bay-4	1 No.
20	2010	SP/CR/ 9566 1	05 Ton	EOT Crane Cranex	Bay-4	1 No.
21	1975	SP/CR/ 9505 1	10 Ton	EOT Crane Jessop	Bay-5	1 No.
22	1989	SP/CR/ 9528 2	10/3 Ton	EOT Crane K/U	Bay-5	1 No.
23	2006	SP/CR/ 9553 1	05 Ton	EOT Crane Cranex	Bay-5	1 No.
24	1978	SP/CR/ 9518 3	03 Ton	Semi Gantry Crane Jessop	Bay-5	1 No.
25	1977	SP/CR/ 9519 2	01 Ton	JIB Crane Tak	Bay-5	1 No.
26	1977	SP/CR/ 9504 1	10/3 Ton	EOT Crane Jessop	Bay-6	1 No.
27	1984	SP/CR/ 9522 1	05 Ton	EOT Crane WMI	Bay-6	1 No.
28	1995	SP/CR/ 9544 1	15/5 Ton	EOT Crane K/U	Bay-6	1 No.
29	1977	SP/CR/ 9548 1	01 Ton	JIB Crane Tak	Bay-6	1 No.
30	1975	SP/CR/ 9501 1	05 Ton	EOT Crane Jessop	Bay-7	1 No.

DETAIL OF CRANES:

Sl.No.	Year of Comm.	Crane No.	Capacity	Type / Make	Location	Qty.
31	2006	SP/CR/ 9551 1	15 Ton	EOT Crane VME	Bay-7	1 No.
32	1975	SP/CR/ 9505 3	10 Ton	EOT Crane Jessop	Bay-8	1 No.
33	1985	SP/CR/ 9521 1	05 Ton	EOT Crane Garlic	Bay-8	1 No.
34	1977	SP/CR/ 9513 1	01 Ton	JIB Crane Tak	Bay-8	1 No.
35	1977	SP/CR/ 9513 2	01 Ton	JIB Crane Tak	Bay-8	1 No.
36	1977	SP/CR/ 9513 3	01 Ton	JIB Crane Tak	Bay-8	1 No.
37	1977	SP/CR/ 9513 4	01 Ton	JIB Crane Tak	Bay-8	1 No.
38	1977	SP/CR/ 9513 5	01 Ton	JIB Crane Tak	Bay-8	1 No.
39	1980	SP/CR/ 9502 1	125/20 Ton	EOT Crane Jessop	Bay-9	1 No.
40	1980	SP/CR/ 9502 2	125/20 Ton	EOT Crane Jessop	Bay-9	1 No.
41	1975	SP/CR/ 9505 2	10 Ton	EOT Crane Jessop	Bay-9	1 No.
42	1977	SP/CR/ 9507 2	25/5 Ton	EOT Crane Jessop	Bay-9	1 No.
43	2007	SP/CR/ 9561 1	25/5 Ton	EOT Crane Cranex	Bay-9	1 No.
44	1978	SP/CR/ 9512 1	05 Ton	JIB Crane Jessop	Bay-9	1 No.
45	1978	SP/CR/ 9512 2	05 Ton	JIB Crane Jessop	Bay-9	1 No.
46	1978	SP/CR/ 9512 3	05 Ton	JIB Crane Jessop	Bay-9	1 No.
47	1992	SP/CR/ 9541 1	02 Ton	JIB Crane Raj Engg.	Bay-9	1 No.
48	1992	SP/CR/ 9526 4	01 Ton	JIB Crane	Bay-9	1 No.
49	2010	SP/CR/ 9570 1	05 Ton	EOT Crane Cranex	Bay-10	1 No.
50	2010	SP/CR/ 9568 2	10/3 Ton	EOT Crane Rockwell	Bay-10	1 No.
51	2010	SP/CR/ 9569 1	50/10 Ton	EOT Crane Cranex	Bay-10	1 No.
52	2010	SP/CR/ 9568 3	10/3 Ton	EOT Crane Rockwell	Bay-11	1 No.
53	2010	SP/CR/ 9567 1	25/10 Ton	EOT Crane Cranex	Bay-11	1 No.
54	1989	SP/CR/ 9536 1	50/10 Ton	EOT Crane K/U	Loco Diesel Shop	1 No.
55	1989	SP/CR/ 9536 2	50/10 Ton	EOT Crane K/U	Loco Diesel Shop	1 No.
56	1992	SP/CR/ 9526 3	02 Ton	JIB Crane Raj Engg.	Loco Diesel Shop	1 No.
57	1992	SP/CR/ 9526 4	02 Ton	JIB Crane	Loco Diesel Shop	1 No.
58	1989	SP/CR/ 9524 1	50/10 Ton	EOT Crane WMI	Loco Assembly Shop	1 No.
59	1989	SP/CR/ 9524 2	50/10 Ton	EOT Crane WMI	Loco Assembly Shop	1 No.
60	1989	SP/CR/ 9528 1	10/3 Ton	EOT Crane K/U	Loco Assembly Shop	1 No.

DETAIL OF CRANES:

Sl.No.	Year of Comm.	Crane No.	Capacity	Type / Make	Location	Qty.
61	1977	SP/CR/ 9514 1	01 Ton	JIB Crane Tak	Loco Assembly Shop	1 No.
62	1992	SP/CR/ 9526 2	02 Ton	JIB Crane Raj Engg.	Loco Assembly Shop	1 No.
63	1992	SP/CR/ 9541 1	02 Ton	JIB Crane	Loco Assembly Shop	1 No.
64	1992	SP/CR/ 9542 1	02 Ton	JIB Crane	Loco Assembly Shop	1 No.
65	1989	SP/CR/ 9529 1	10/3 Ton	EOT Crane K/U	Loco Bogie Shop	1 No.
66	1990	SP/CR/ 9539 1	20/3 Ton	EOT Crane K/U	Loco Bogie Shop	1 No.
67	1990	SP/CR/ 9525 1	02 Ton	JIB Crane Techno	Loco Bogie Shop	1 No.
68	1990	SP/CR/ 9525 2	02 Ton	JIB Crane	Loco Bogie Shop	1 No.
69	1991	SP/CR/ 9532 1	06 Ton	Wheel Press Crane	Loco Bogie Shop	1 No.
70	1991	SP/CR/ 9538 1	03 Ton	Semi Gantry Crane Jessop	Loco Bogie Shop	1 No.
71	2010	SP/CR/ 9576 1	50/10 Ton	EOT Crane Cranex	New Loco Assembly Shop	1 No.
72	2010	SP/CR/ 9576 2	50/10 Ton	EOT Crane Cranex	New Loco Assembly Shop	1 No.
73	1991	SP/CR/ 9537 1	5 Ton	EOT Crane Simplicity	Loco Store	1 No.
74	2010	SP/CR/ 9563 1	25 Ton	Goliath Crane Cranex	Open Yard Main Store	1 No.
75	2010	SP/CR/ 9568 1	10/3 Ton	EOT Crane Rockwell	New Shipping	1 No.
76	1975	SP/CR/ 9505 4	10 Ton	EOT Crane Jessop	CDC	1 No.
77	2000	SP/CR/ 9547 1	5/2 Ton	EOT Crane Cranex	CDC	1 No.
78	1977	SP/CR/ 9516 1	10 Ton	Hand Operated Crane	MG House	1 No.
79	1977	SP/CR/ 9516 2	10 Ton	Hand Operated Crane	MG House	1 No.
80	1976	SP/CR/ 9517 1	02 Ton	Hand Operated Crane	Compressor House	1 No.
81	2011	SP/CR/ 9571 1	03 Ton	Semi Gantry Crane Indo-Asiatic	Bay-6	1 No.
82	2011	SP/CR/ 9565/1	15/5 Ton	EOT Crane Ankita	Bay-11	1 No.
83	2011	SP/CR/ 9573 1	10/3 Ton	EOT Crane Cranex	New Loco Assembly Shop	1 No.
84	2011	SP/CR/ 9573 2	10/3 Ton	EOT Crane Cranex	New Loco Bogie Shop	1 No.
85	2011	SP/CR/ 9575 1	20/5 Ton	EOT Crane Cranex	New Loco Bogie Shop	1 No.
86	2012	SP/CR/ 9577 1	10 Ton	Hand Operated Crane	New MG House	1 No.
87	2012	SP/CR/ 9577 2	10 Ton	Hand Operated Crane	New MG House	1 No.
88	2013	SP/CR/ 9582 1	01 Ton	JIB Crane Indian	Loco Bogie Shop	1 No.
89	2013	SP/CR/ 9582 2	01 Ton	JIB Crane Indian	New Loco Bogie Shop	1 No.
90	2013	SP/CR/ 9578 1	5 Ton	EOT Crane Cranex	New Loco Store	1 No.



Annexure C

QUALIFYING REQUIREMENTS

1) Average Financial Turnover:

1.1) Average Annual financial turnover from during the last 3 years, ending 31st March, 2020 should be at least Rs.4.15 Lakh of the estimated cost. The copies of duly audited balance sheet and profit & loss account audited by CA for last three FY i.e. 2019-20, 2018-19 and 2017-18 to be submitted as a supporting document.

1.2) If all balance sheets are not available for all three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheets by three.

2. Experience of having successfully completed similar work (means Preventive and breakdown maintenance of EOT cranes) during last 7 years from the previous month of floating of tender should be either of the following:-

- Three similar completed works contracts during last 7 years from the previous month of floating of tender each costing not less than the amount equal to Rs. 5.54 Lacks.

Or

- Two similar completed works contracts during last 7 years from the previous month of floating of tender each costing not less than the amount equal to Rs. 6.93 Lacks

Or

- One similar completed work contracts during last 7 years from the previous month of floating of tender each costing not less than the amount equal to Rs. 11.09 Lacks.

- Copy of PO/WO & satisfactory completion report/performance certificate in company letter head of customer meeting the criteria at Sl. No 2 above should be submitted along with the techno - commercial offer. The complete details of the customer contact person, name, address, e-mail and contact no. are also to be submitted.
- In addition to the above if the experience is in Private Sector relevant TDS Certificate/Traces must be attached as evidence.



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ANNEXURE -D

SPECIAL TERMS & CONDITIONS

- 1- The contract shall include complete repair of Mechanical, Electrical, Electronic, Hydraulic, Structural, Pneumatic, Radio remote etc. incorporated in the cranes.
- 2- Contract shall keep all staff orderly in proper uniform and arrange to provide them the work of repair/ manufacture of spares in their idle times.
- 3- All used/worn-out/scrapped/replaced spares/parts shall remain the property of BHEL, Jhansi. These items shall be return to WE&S store.
- 4- After award of contract the subjected work shall be started within one week from the due date of award in line with tender conditions



Bharat Heavy Electricals Limited, Jhansi

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ANNEXURE -E

TECHNICAL BID APPLICATION FOR 'Preventive and breakdown maintenance of EOT cranes 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 as per tender to be submitted)

9. Earnest Money Deposit : Rs. _____
 - a) D.D. Number & Date : _____ Date _____
 - b) Drawn on (Bank) : _____
11. Any other relevant information : _____
12. Tender Cost : Rs. _____

D.D. No. /Receipt No : _____



Bharat Heavy Electricals Limited, Jhansi

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13. Validity of offer : _____

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

14. Blank Price bid format : Enclosed / Not Enclosed

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

PF registration code: _____

Attach Copy of the PF registration

16. 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.