Works Engineering And Services

Tender Enquiry No: WEX/TE/TW/23/05 Dated 28.02.2024



### **TENDER DOCUMENT**

Tender Enquiry No.: WEX/TE/TW/23/05 Dated 28.02.2024

# FOR "PREVENTIVE AND BREAKDOWN MAINTENANCE OF EOT CRANES 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: 02.07.2024, at 13:15 Hrs. Tender Opening Date: 02.07.2024, at 14:00 Hrs.

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

## Department:

Works Engineering and Services BHEL, PO: BHEL, Jhansi 284120 (UP)



**Works Engineering And Services** 

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#### **DETAILS OF TENDER DOCUMENT**

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

BHEL -JHANSI is in the process of finalizing the Works Contract for "Preventive and breakdown maintenance of EOT, Semi Gantry, Jib, HOT & Gantry cranes in BHEL-Jhansi"

#### The tender documents have 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) 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)) 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/23/05 Dated 28.02.2024" should reach us in a sealed cover on or before 02.07.2024 (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)

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 Documents**

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# Maharaha Company

## Bharat Heavy Electricals Limited, TP- Jhansi

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Annexure-A

#### NOTICE FOR INVITING TENDER

SI 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	Upto 13:15 hrs on 02.07.2024
5.	Date of opening of Techno – Commercial Bid.	14:00 hrs on 02.07.2024
6.	Address for submitting the Tender	As per GTC point ii(c)
7.	Earnest Money Deposit * (EMD)	Rs 27149.00
8.	Cost of Tender	NIL
9.	MSME Clause	As per GTC point (iii)
10.	Validity of Offer	120 Days
11.	Security Deposit	As per GTC point (ix)
12.	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.

#### 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, IFSC 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

#### **WORK SPECIFICATION**

#### **DETAILS OF WORK**

SI. No.	Job/Activity	Unit of measurement	Quantum of work annual
1	Preventive and breakdown maintenance of EOT, Semi Gantry, Jib, HOT & Gantry cranes (93 Nos.) in BHEL-Jhansi for a period of one year.	Months	12

#### 1. SCOPE OF WORK

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

- **1.1** <u>EOT CRANES</u>:-This includes all Electric overhead cranes varying from 5 to 125 Ton Capacity of different makes including D.S.L line, main switches etc.
- **1.2** <u>SEMI GANTRY CRANES</u>:-This includes all Semi gantry cranes varying from 2 to 3 Ton capacity of different makes including D.S.L line, main switches etc.
- **1.3** <u>JIB CRANES</u>:-This includes all wall Jib & Jib cranes equipped with hoist of different makes varying from 1 to 5 Ton capacity including wheel press & wall jib cranes D.S.L line, main switches etc.
- **1.4** HOT CRANES: This includes all hand operated overhead cranes varying from 2 to 10 Ton Capacity of different makes.
- **1.5** GOLIATH GANTRY CRANE:-This includes 01 NO Cranex make 25 ton capacity Goliath crane.
- 1.6 Any additional crane, if added will be covered automatically under the purview of the contract.

#### 2. PREVENTIVE MAINTENANCE

- **2.1** Preventive maintenance of cranes shall be done once a year for each crane and shall be checked & confirmed as per our checklist along with Cleaning and alignment of D.S.L line.
- **2.2** Preventive maintenance schedule shall be prepared and completed in time.
- **2.3** 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 in charge. For working on Sunday and Holiday prior approval of maintenance in charge and security BHEL, Jhansi is necessary.
- **2.4** Monthly Preventive maintenance report shall be prepared and sent to section in charge (WE&S) after counter signed by Crane Maintenance in charge along with all check list.

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#### 3. BREAKDOWN MAINTENANCE

- **3.1** Breakdown shall be reported on Breakdown report form by the production department / user directly.
- 3.2 After endorsing the date & time of breakdown receipt, breakdown must be attended.
- **3.3** Immediately after attending of breakdown, the supervisor shall report to the production department for their endorsement. The supervisor shall also inform to the crane maintenance in charge regarding handing over of the crane to production department.
- **3.4** A daily breakdown report and report of major work done shall be prepared and submitted to crane maintenance in charge along with all attended breakdown reports.

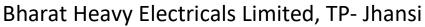
#### 4. CONTRACTOR SCOPE OF WORK & FACILITIES

- 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 the total contract period the contractor will deploy adequate numbers of experienced electricians, fitters, welders & helpers (with an approval of the section / maintenance in charge) per day in two shifts operation regularly and in third shift as and when required basis.
- 4.3 A responsible and competent supervisor shall be posted to co-ordinate and supervise 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 necessary records pertaining to his work.
- 4.5 Safety gears for deployed manpower will be provided by Contractor.

#### 5. PENALTY:

- 5.1 If preventive maintenance of cranes is not being attended on scheduled dates, a penalty of Rs 2000/- (Rupees two thousand only) per preventive maintenance per day will be charged. The amount of penalty will recovered from the contractor's running/final bill.
- 5.2 If breakdowns are not being attended within 24 hours even after intimation through e-mail, a penalty of Rs 2000/- (Rupees two thousand only) per breakdown per day will be charged. The amount of penalty will recovered from the contractor's running/final bill.
- 5.3 The maximum cumulative penalty shall be limited to 10% of the Work order value.
- 6.0 In case of urgent breakdown, the contractor shall have to maintain sufficient number of his staffs as per requirement; BHEL will not pay any compensation on this account.
- 7.0 **URGENT WORK:** The contractor shall have to comply with the priorities fixed by the crane maintenance in charge in taking up crane maintenance / preventive maintenance work or for taking up urgent repair work.
- 8.0 Detail of Cranes covered under the contract is mentioned below. The party may visit the factory and see cranes before submitting the offer.

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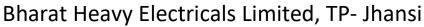


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## **LIST OF CRANES**

SL No.	Crane No.	Crane description	Capacity	Crane location
1	SP/CR/9580/1	Ankita EOT	25/5 Ton	Bay-000
2	SP/CR/9580/2	Ankita EOT	25/5 Ton	Bay-000
3	SP/CR/9581/1	Ankita EOT	10/3 Ton	Bay-000
4	SP/CR/9503/1	Jessop EOT	10 Ton	Bay-00
5	SP/CR/9558/1	EOT Rockwell	10 Ton	Bay-00
6	SP/CR/9503/2	Jessop EOT	10 Ton	Bay-0
7	SP/CR/9503/5	Jessop EOT	10 Ton	Bay-0
8	SP/CR/9503/6	K/U EOT	10 Ton	Bay-0
9	SP/CR/9503/3	Jessop EOT	10 Ton	Bay-1
10	SP/CR/9506/1	Jessop EOT	25/5 Ton	Bay-1
11	SP/CR/9506/2	WMI EOT	25/5 Ton	Bay-1
12	SP/CR/9503/4	Jessop EOT	10 Ton	Bay-2
13	SP/CR/9506/3	WMI EOT	25/5 Ton	Bay-2
14	SP/CR/9557/1	Century EOT	25/5 Ton	Bay-2
15	SP/CR/9510/1	Bhopal EOT	2 Ton	Bay-3
16	SP/CR/9523/1	WMI EOT	5 Ton	Bay-3
17	SP/CR/9558/2	EOT Rockwell	10 Ton	Bay-3
18	SP/CR/9507/1	Jessop EOT	25/5 Ton	Bay-4
19	SP/CR/9520/1	WMI EOT	10 Ton	Bay-4
20	SP/CR/9552/1	Cranex EOT	10 Ton	Bay-4
21	SP/CR/9566/1	Cranex EOT	5 Ton	Bay-4
22	SP/CR/9505/1	Jessop EOT	10 Ton	Bay-5
23	SP/CR/9518/3	Semi Gantry	2 Ton	Bay-5
24	SP/CR/9519/2	Jib Crane	1 Ton	Bay-5
25	SP/CR/9528/2	K/U EOT	10/3 Ton	Bay-5
26	SP/CR/9553/1	Cranex EOT	5 Ton	Bay-5
27	SP/CR/9504/1	Jessop EOT	10/3 Ton	Bay-6
28	SP/CR/9522/1	WMI EOT	5 Ton	Bay-6
29	SP/CR/9544/1	K/U EOT	15/5 Ton	Bay-6
30	SP/CR/9548/1	Jib Crane	1 Ton	Bay-6
31	SP/CR/9571/1	Semi Gantry	2 Ton	Bay-6
32	SP/CR/9501/1	Jessop EOT	5 Ton	Bay-7
33	SP/CR/9551/1	VME EOT	15 Ton	Bay-7
34	SP/CRJ/9551/R1	Shiri EOT	15/5 EOT	New bay-7
35	SP/CR/9505/3	Jessop EOT	10 Ton	Bay-8
36	SP/CR/9513/1	Jib Crane	1 Ton	Bay-8





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37	SP/CR/9513/2	Jib Crane	1 Ton	Bay-8
38	SP/CR/9513/3	Jib Crane	1 Ton	Bay-8
39	SP/CR/9513/4	Jib Crane	1 Ton	Bay-8
40	SP/CR/9513/5	Jib Crane	1 Ton	Bay-8
41	SP/CR/9521/1	Garlic EOT	5 Ton	Bay-8
42	SP/CR/9505/2	Jessop EOT	10 Ton	Bay-9
43	SP/CR/9507/2	Jessop EOT	25/5 Ton	Bay-9
44	SP/CR/9561/1	Cranex EOT	25/5 Ton	Bay-9
45	SP/CR/9512/1	Jessop Wall Jib	5 Ton	Bay-9
46	SP/CR/9512/2	Jessop Wall Jib	5 Ton	Bay-9
47	SP/CR/9512/3	Jessop Wall Jib	5 Ton	Bay-9
48	SP/CR/9568/2	EOT Rockwell	10/3 Ton	Bay-10
49	SP/CR/9569/1	Cranex EOT	50/10 Ton	Bay-10
50	SP/CR/9570/1	Cranex EOT	5 Ton	Bay-10
51	SP/CR/9568/3	EOT Rockwell	10/3 Ton	Bay-11
52	SP/CR/9567/1	Cranex EOT	25/10 Ton	Bay-11
53	SP/CR/9565/1	Ankita EOT	15 Ton	Bay-11
54	SP/CR/9505/4	Jessop EOT	10 Ton	CDC
55	SP/CR/9547/1	Cranex EOT	5/2 Ton	CDC
56	SP/CR/9526/3	Jib Crane	2 Ton	DESL Shop
57	SP/CR/9526/4	Jib Crane	2 Ton	DESL Shop
58	SP/CR/9536/1	K/U EOT	50/10 Ton	DESL Shop
59	SP/CR/9536/2	K/U EOT	50/10 Ton	Loco assy. Shop
60	SP/CR/9514/1	Jib Crane	1 Ton	Loco Assy. Shop
61	SP/CR/9524/1	WMI EOT	50/10 Ton	Loco Assy. Shop
62	SP/CR/9524/2	WMI EOT	50/10 Ton	Loco Assy. Shop
63	SP/CR/9528/1	K/U EOT	10/3 Ton	Loco Assy. Shop
64	SP/CR/9526/1	Jib Crane	2 Ton	Loco Assy. Shop
65	SP/CR/9526/2	Jib Crane	2 Ton	Loco Assy. Shop
66	SP/CR/9542/1	Jib Crane	2 Ton	Loco Assy. Shop
67	SP/CR/9573/1	Cranex EOT	10/3 Ton	New Loco Assy.
68	SP/CR/9576/1	Cranex EOT	50/10 Ton	New Loco Assy.
69	SP/CR/9576/2	Cranex EOT	50/10 Ton	New Loco Assy.
70	SP/CR/9573/2	Cranex EOT	10/3 Ton	New Bogie Shop
71	SP/CR/9575/1	Cranex EOT	20/5 Ton	New Bogie Shop
72	SP/CR/9582/2	Jib crane	1 Ton	New Bogie Shop
73	SP/CR/9582/1	Jib crane	1 Ton	Bogie Shop
74	SP/CR/9529/1	K/U EOT	10/3 Ton	Loco Bogie Shop
75	SP/CR/9539/1	K/U EOT	20/5 Ton	Loco Bogie Shop
76	SP/CR/9525/1	Jib Crane	2 Ton	Loco Bogie Shop



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77	SP/CR/9525/2	Jib Crane	2 Ton	Loco Bogie Shop
78	SP/CR/9532/1	Wheel Press	6 Ton	Loco Bogie Shop
79	SP/CR/9538/1	Semi Gantry	3 Ton	Loco Bogie Shop
80	SP/CR/9516/1	Hot (Hand operated)	10 Ton	M.G House
81	SP/CR/9516/2	Hot (Hand operated)	10 Ton	M.G House
82	SP/CR/9517/1	Hot (Hand operated)	2 Ton	Compressor House
83	SP/CR/9577/1	Hot (Hand operated)	10 Ton	New M.G House
84	SP/CR/9577/2	Hot (Hand operated)	10 Ton	New M.G House
85	SP/CR/9579/1	Cranex EOT	10 Ton	Main Store No-2
86	SP/CR/9537/1	Simplicity p EOT crane	5 Ton	Loco Store
87	SP/CRJ/9578/1	Cranex EOT	5 Ton	New loco Store No- 2
88	SP/CR/9563/1	Goliath Gantry crane	25 Ton	Open Yard Store
89	SP/CR/9568/1	Rockwell EOT	10/3 Ton	New Shipping shop
90	xxxx	Jib crane	2 Ton	bay-9
91	SP/CR/9550/1	HOIST CRANE	4 TONE	LOCO TESTING
92	SP/CR/9502/1	Jessop EOT	125/20 Ton	Bay-9
93	SP/CR/9502/2	Jessop EOT	125/20 Ton	Bay-9

## बीएच ईएल सिक्षा

## Bharat Heavy Electricals Limited, TP- Jhansi

Works Engineering And Services

Tender Enquiry No: WEX/TE/TW/23/05 Dated 28.02.2024

Annexure-C

TENDER FOR "Preventive and breakdown maintenance of EOT cranes in BHEL-Jhansi".

#### **QUALIFYING REQUIREMENTS:**

SI	Description of qualifying requirements			
1.	Average Financial Turnover:  1.1) Average Annual financial turnover during the last 3 years, ending 31st March, 2024 should be at least Rs. 4.07 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.  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.			
2.	<ul> <li>Experience: Experience of having successfully completed similar work (means Preventive and breakdown mainten of EOT cranes) during last 7 years from the date of tender enquiry should be either of the following:  a. Three similar completed works contract during last 7 years from the date of tender enquiry each cost not less than the amount equal to Rs. 5.43 Lakhs.  OR  b. Two similar completed works contract during last 7 years from the date of tender enquiry each cost not less than the amount equal to Rs. 6.79 Lakhs  OR  c. One similar completed works contract during last 7 years from the date of tender enquiry each Costi not less than the amount equal to Rs. 10.86 Lakhs.  As evidence of the above information, the bidder to attach the documentary proof as below.</li> </ul>			
	Worked for Documentary Proof to be attached.			
	I) 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 ( Traces form 26AS or 16A)		
	B) In case experience is submitted for work d	one in BHEL Jhansi, TDS/Tax invoice is not required.		
3.	•	d Technical specification implication of maintenance work, No er on account of Prior Experience and Turnover.		

Signature of Bidder with Seal



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Annexure-D

#### **SPECIAL TERMS & CONDITIONS**

- 1. This contract includes complete repair of Mechanical, Electrical, Electronic, Hydraulic, Structural, Pneumatic, and Radio remote etc. incorporated in the cranes.
- 2. Contractor shall keep all staff orderly in proper uniform and arrange to provide them the work of repair/manufacturing of spare parts in their idle times.
- 3. All used/worn-out/scrapped/replaced spares/parts shall remain the property of BHEL, Jhansi. These items shall be returned to works engineering & services store.
- 4. After award of the contract the subjected work shall be started within one week from date of award of work order in line with tender conditions.



A. ESSENTIAL DOCUMENTS REQUIRED

## Bharat Heavy Electricals Limited, TP- Jhansi

Works Engineering And Services

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#### **Annexure-E**

**TECHNICAL BID APPLICATION FOR "**Preventive and breakdown maintenance of EOT cranes in BHEL-Jhansi"

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):
10.	Any other relevant information:
11.	Tender Cost: Rs
	D.D. No. /Receipt No:
12.	Validity of offer:
	(At least 90 days from the date of tender Opening)
13.	Blank Price bid format: Enclosed / Not Enclosed
14.	PF registration certificate (if exempted, submit exemption proof)
	PF registration code:
	Attach Copy of the PF registration
15.	ESI registration certificate: (if exempted submit exemption proof)
	ESI registration code:
	Attach Copy of ESI registration

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#### **B. DESIRABLE:**

Date:

1.	Income Tax return last 3 yrs.: Enclosed / Not Enclosed
2.	Acceptance of Reverse Auction: Accepted / Not accepted
	will fulfill all the obligations of the contractor and abide by the Terms & Conditions mentioned ne enquiry.

**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.

Signature with Name & Office Seal