



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : FCX/TW/24/14

For

“Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi”

Contact Person :

Name : Monika

Designation : Sr. Manger (CMM & CCC)

Email : monikav@bhel.in

PH : 0510 – 2770001 (Extn 2414)

Tender Due Date 20/09/2024 at 13 :15 Hrs

Tender Opening Date : 20/09/2024 at 14 :00 Hrs

Material Management Department

BHEL, PO : BHEL, Jhansi 284120 (UP)

Factory Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024****Detail of Bidder and Documents to be submitted along with Technical Bid**

Please number your documents in continuation with tender documents at bottom (footer) of page.

S.No.	Particular	Detail	
1.	Name of the firm		
2.	Name of the Proprietor/Partners		
3.	Address		
4.	Mobile No.		
5.	E-mail ID		
Documents			
	Particular	Detail	Page No
6.	Acceptance of Terms & conditions Signature on all pages without conditions of contractor	Submitted/ Not submitted	
7.	Blank price bid format duly signed by the contractor.	Submitted/ Not submitted	
8.	Copy of ESI Registration	ESI No-	
9.	Copy of PAN card	PAN No-	
10.	Copy of GST registration	GST No-	
11.	Self declaration as per annexure V on letter head.	Submitted/ Not submitted	
12.	Copy of ownership of firm	Submitted/ Not submitted	
13.	Reciept of tender fees deposition	Amount	
14.	Reciept of EMD deposition	Amount	
15.	Copy of turn over and income tax return for last three FY year i. 2021-22 ii. 2022-23 iii. 2023-24	Submitted/ Not submitted	

We hereby accepted above (Signature & seal of bidder)**Seal & Signature OF BHEL contracting authority**

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024**

16.	Documentary proof (Completion Certificate and WO/PO/LOI) & TDS certificate and other documents as per PQR of this tender enquiry.	Submitted/ Not submitted	
17.	Copy of PF registration	PF No-	

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

Date :-

Signature With Name & Seal

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

Factory Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024****TABLE OF CONTENTS****PART I: TECHNO-COMMERCIAL BID**

Sl no	Section	Page No.
1.	TENDER ENQUIRY NO	01
2.	DETAIL OF BIDDERS & DOCUMENTS TO BE SUBMITTED	02-03
3.	TABLE OF CONTENT	04
4.	NOTICE INVITING TENDER	05-07
5.	BRIEF DESCRIPTION OF WORK	08
6.	QUALIFYING CRITERIA	09-10
7.	GENERAL TERM AND CONDITIONS OF ENQUIRY	10
8.	TECHNICAL SPECIFICATION	11-13
9.	BLANK PRICE BID JS-472	14
10.	Annexures-(I-XII) (shall be uploaded separately)	15
11.	DECLARATION BY BIDDER family firms or sister concern affiliates / subsidiary firms are participating in the tender (Annexure- A)	16
12.	SOP For Implementation of Risk and Cost	17

Part II:**PRICE BID****(Separate envelope)**

S. No.	Section	Page No.
1.	PRICE BID (JS-146)	18

NOTICE INVITING TENDER



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024****1- NOTICE INVITING TENDER**

S. No.	Particulars	Details
1.	Name of work	Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi
2.	Tender Evaluation Criteria	As per GTC issued by "Central Contracting Cell" and Tender Documents.
3.	Duration of the Contract	03 Months
4.	Last date of receipt of the Tender	(As on page # 1)
5.	Date of opening Tender	(As on page # 1)
6.	Address for submitting the tender	(As on page # 7)
7.	Earnest Money Deposit (EMD)	Rs 1913.00
8.	Cost of tender (Non refundable)	Nil
9.	Validity of Offer	120 days
10.	Defect liability period	One Year from the date of completion of work.
11.	Reverse Auction	Nil
12.	MSME Benefit	As per attached PQR
13.	Start-up scheme Benefit	As per attached PQR

Note: The EMD may be accepted only in the following forms:

(i) 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

(ii) At BHEL cash office through POS machine **No Demand Drafts shall be accepted.**

The contractors may physically visit the work place before quoting their rates. For relevant details, please visit our website "www.bhel.com" & "www.eprocure.gov.in"

Note: BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post. Late tenders shall be rejected outright.

The techno-commercial bid comprising (i) all its sections, (ii) all enclosures in support of various clauses and requirements and (iii) EMD, shall be duly signed and sent in a sealed envelope boldly super-scribing **"PART-I TECHNO COMMERCIAL BID FOR "Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi.** Similarly, the Price-bid must be duly signed and sent in a sealed envelope boldly super-scribing **"PART-II PRICE "Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi"** Both these envelopes shall be placed inside 3rd sealed envelope super-scribing "duly signed and sent in a sealed envelope boldly super-scribing **"Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi"**

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

The tender Name : Monika

Designation : Sr. Manger (CMM & CCC)

Email : monikav@bhel.in

PH : 0510 – 2770001 (Extn 2414)

Sealed Tenders can be submitted (i) personally, (ii) by Courier/Post

If submitted personally

Tender Box

Security Control Room/Office

Administrative Building

Bharat Heavy Electricals Limited

Jhansi-284120 (U P)

Or if sent through Courier / Post

Office of

Name : Monika

Designation : Sr. Manger (CMM & CCC)

Email : monikav@bhel.in

PH : 0510 – 2770001 (Extn 2414)

Or if sent through email

Email Id: tenderbox.jhs@bhel.in

(Kindly do not send on any other email id of any official of BHEL)

Part-I Techno Commercial bid:

Part I of the sealed tenders alone will be opened by BHEL in the presence of tenderers who are present at the time & place of opening. A signed blank price-bid copy should be enclosed with this bid. The spaces for prices should be crossed (x).

Part-II Price bid:

The price bid should contain prices only. Price bid will be opened only for the parties who qualify in techno commercial bid.

TO BE SIGNED BY THE TENDERER

Certified that all Sections of the Tender have been read / complied & agreed to, and each page of the tender offer has been signed & stamped.

(Signature of Authorized person(s))

Brief Description of Work / Scope of work

Name of work: **"Survey and alignment of Crane line on Gantry Girder of Bay 9 in BHEL Jhansi."**

Gantry Rail survey and alignment work to correct the span of rail.

1. Gantry Rail Survey includes measurement/check of Gantry Rail span, Gantry Rail alignment - Straightness, Gantry Rail level undulation, difference between two gantry rails at same location and observation on condition of gantry rail & clamps including gaps/ misalignment at rail joints and wear.
2. Gantry alignment work includes removal of existing fasteners/bolts/keys/fixers by suitable method, removal of existing rail, rectification of alignment & levels of gantry rails, repair of damaged rail (if possible) and replacement of the same with new/old rails as per desired span, fastening of rails with the gantry girders at appropriate locations and as per the direction of engineer-in-charge

After completion of work, following rails will be checked on following parameters:

1. Straightness and Levelling: Checking and correcting the straightness of rails and ensuring they are level.
2. Parallelism and Perpendicularity: Ensuring that the rails are parallel to each other and perpendicular to the reference surfaces.

Work is to be carried out completely in order to ensure smooth movement of 125 Ton EOT crane installed in the area.

The work is planned for rail length of 72 m. Proper alignment and work completion is to be ensure for this 72 m Craneline lekgth.

Note:

The quantity of items in the BOQ can vary to any extent during the execution as per actual requirement.

It is also advised that the bidder shall visit the Jhansi plant and physically see the work area in order to have visualization of the work content involved in the above works.

Qualifying Requirements

1. Copy of PAN Card to be submitted.
2. Copy of PF registration.
3. Copy of GST Registration to be submitted.
4. Self-Declaration undertaking duly signed with stamp of the bidder on letter Pad of contractor to be submitted.
5. Copy of independent ESI Registration.
6. Signed copy of blank Price bid.

7. Work Experience: Bidder should have experience of executed similar work during last 7 years ending the month previous to the month of issuing tender enquiry either of the following: -

Three similar works each valuing not less than the amount equal to **Rs 0.38** Lakhs or

Two similar works each valuing not less than the amount equal to **Rs 0.48** Lakhs or

One similar works each valuing not less than the amount equal to **Rs 0.77** Lakhs.

Executed Similar Work means bidder has experience of “**Any Fabrication Work**” of requisite value even if the contract has not been completed or closed (in any PSU / CPSU / State govt. / Central Govt./ Private sector).

Documentary proof (Completion Certificate and WO/PO/LOI) & TDS certificate issued from traces (Form 16A or 26AS) for the experience performance report issued by Customer for successful execution of the requisite value is to be submitted. In case experience is submitted for work done in BHEL, TDS certificate is not required.

8. Turnover criteria: Average Annual financial turnover during the last 3 years ending 31st March 2024, should be at least Rs. 0.29 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 T/o for respective years). If T/o details of 3 years are not available, then available years T/o shall be evaluated by dividing it by 3.

Note-1 :- Benefits under MSE and Start Up Scheme: Considering critical quality aspects and technical specification implications for the work, no relaxation shall be given to MSE and Start-up bidders on account of turnover criteria & prior experience.

9. EMD: Documentary proof in support of above eligibility criteria along with EMD shall be submitted along with Techno Commercial Bid. EMD Value – **Rs 1,913.00**

Factory Civil Department

TENDER DOCUMENT

TENDER ENQUIRY NO. : FCX/TW/24/14

DATE:- 13/09/2024

10. The documents required for legal entities under whose name and style contractor has participated in the tender are as follows:

(i) Partnership Firm: Partnership Deed & registration certificate issued by office of registrar of Firms.

(ii) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.

(iii) Society: Registration certificate issued by Registrar of societies.

(iv) Sole Proprietor-ship: Undertaking on oath (Rs. 100 stamp paper) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely (_____)

11. Bidders are required to submit a self-declaration to avoid cartel formation on their letter head as per the Format enclosed in **Annexure A**

**GENERAL TERMS AND CONDITIONS OF ENQUIRY FOR WORKS
CONTRACTS (JHS 2055C R02)**

UPLOADED IN SEPERATE FILE - PAGE NO 01 TO 14

(To be signed by contractor and submitted along with bid)

TECHNICAL SPECIFICATION

1. The works shall be executed with the directions, instructions, which shall be given to the contractor by BHEL from time to time and as per technical specifications in price schedule and drawings available in the office to give a general idea of the work to be executed and is liable for modifications during the actual execution based on the designs prepared and approved by the Competent authority.
2. If the specifications found wanting relevant technical specifications along with the tender shall be followed. Further missing details relevant CPWD and IS specifications shall be followed. Wherever, there is ambiguity, the decision of BHEL shall be final and binding.
3. For execution of all scheduled items CPWD specifications and relevant IS codes are to be followed. For execution of non-scheduled items specifications enclosed with this tender are to be followed.
4. Specialized works are to be executed by specialized agency with the approval of BHEL.
5. The materials in the scope of contractor shall have to be got approved by the contractor from the Engineer-in-charge before supplying inside the factory area. Testing of these materials (If required) shall be carried out at any BHEL or Govt approved/NABL approved lab whose cost will be borne by the contractor.
6. Contractor shall ensure that quality is maintained in all works connected with this contract all stages as per requirement of BHEL. Contractor shall ensure all inspection, measuring and testing equipment are calibrated by authorized agency/BHEL and valid calibration must be available with them for verification by BHEL.
7. The contractor shall be fully and finally responsible for correctness and quality of his work to the entire satisfaction of the BHEL/Customer.
8. If in the opinion of the contractor any work is insufficiently specified or required modifications, the contractor shall refer the same in writing to the Engineer and obtain his instruction/approval in writing before proceeding with the work. If contractor fails to refer such instance, any excuse for faulty erection, for poor workmanship or delay in completion shall not be entertained.
9. Material reconciliation statement has to be submitted by the contractor as & when required by BHEL.
10. The BHEL reserves the right to deviate either by additions or by deductions from the schedule of items of work given in the tender document after awarding work.
11. The quantity of items in the BOQ can vary to any extent during the execution as per the actual site requirement.
12. In case of any difference between agreement, wording and detailed drawings the interpretation of the BHEL shall be final and binding on the contractor.
13. The final acceptance of work in all items are subject to proper performance regardless of whether the items are paid for or not.
14. If discrepancy in specifications observed between schedule of quantities and general / technical conditions, the specifications in schedule of quantities will have precedence over the general / technical conditions.
15. Water will be supplied free of cost at one point for drinking and construction.
16. Quantity records shall be prepared, maintained and submitted by contractor on regular basis during the course of execution. Test records shall be prepared, maintained and submitted by contractor during the course of execution and as demanded by Engineer-In-Charge. Contractor shall strictly adhere to quality requirements and shall follow the norms mentioned in Field Quality Plan (if applicable).

Factory Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024**

17. In case of defective work BHEL will have full right to reject the work or part thereof. Such defective work if any, will have to be rectified by the contractor at his own cost. The opinion of Engineer in charge shall be final in this matter. If the defective work is allowed to stand BHEL shall have the absolute right to reduce the rates for such items and the contractor shall have no claims over such defective work allowed on reduced rates.
18. The contractor shall have to make his own storage sheds for materials to be issued by BHEL (area for storage yard will be provided by BHEL free of cost). If deemed necessary by engineer in charge, the contractor shall make separate store for cement with double lock system. The empty cement bags shall be stocked at one place and at least 90% of them shall be returned to BHEL at BHEL stores in good condition without any additional payment. Therefore, if the total quantity of 90% empty cement bags is not returned by the contractor, the same will be recovered at the rate of Rs 3/- per bag from the bills.
19. For all natural minerals used in the work like sand, aggregate etc royalty certificate (MM-II) must be submitted along with bills.
20. Any electric power required for contractors' lighting/machinery for the purpose of work including fabrication work shall be supplied FREE OF COST at one point by the company on the written request of the contractor, subject to the observance of rules and regulations of Electric board / company. If it is observed that power is being wasted, BHEL shall have the right to recover cost of such consumption including arrears. Power will not be allowed for cooking and room (air) heating in winter season: For this purpose, on written application chargeable power can be allowed. The rates shall be the rates applicable for industrial consumption in U.P.

21. ACCOUNTING

- a) Proper method of accounting of steel, TOR steel, cement & scrap material shall be followed. The books of such accounting be offered for auditing by BHEL at pre-decided regular interval.
- b) All debris and surplus materials shall be cleared from the site as and when directed by the Engineer-in-charge. Any temporary structure / stores made by the contractor for the work shall be demolished and site cleared before payment of final bill.
- c) Structural steel wastage /scrap shall be permissible upto 2% of total quantity of issued quantity. The wastage /scrap steel must be return by contract for reconciliation of steel. Wastage scrap beyond 2% will deducted @ Rs.75 per kg.

22. METHODS OF MEASUREMENTS

Except where any general or detailed description of the work in quantities expressly shows the contrary, schedule of quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the schedule of rates – specification notwithstanding any provision in the relevant standard method of measurement or any general or local custom. In the case of items which are not covered by the CPWD schedule of rates – specification, measurement shall be taken in accordance with the relevant standard method of measurement issued by the Indian standards institution.

23. All safety related equipments like safety harness, gloves, face shield, helmets, safety shoes etc. required for safe working shall be bought by contractor. Nothing extra shall be paid by BHEL on this account. The work is to be carried out by following all the standard and statutory safety precautions/procedures.

24. FREE ISSUE MATERIAL TO THE CONTRACTOR

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024****SCHEDULE "A"**

S No.	Particulars	Rate	Quantity
1.	Structural steel	Free of cost	As required

Note: In case of working inside existing shop/bay, overhead crane shall be provided free of cost. In case BHEL's hydra/crane is provided for the work (in case of availability), deduction shall be made from running bills as per rates decided by BHEL.

All required tools and tackles are to be brought by the contractor. Crane and Hydra for erection is to be bought by the contractor. BHEL is not liable to provide any crane/hydra for erection.

We hereby accepted above (Signature & seal of bidder)**Seal & Signature OF BHEL contracting authority**

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/14****DATE:- 13/09/2024****Blank price bid -476**

Sr. No		Description	% Allocation (Item-wise)	Unit	Qty	Rate per Unit (in Rs.)	Amount (in Rs.)
1	NS-1	Fabrication and erection of structural steel works at all heights(Maximum height up to 30.0 m) consisting of, railing, clamps, purlins with channels & angles, M.S. flat, M.S. tubes, supports including all connections as per detailed drawings connected steel works etc. cleats, gusset plates all bolts, nuts, washers ,base plates, anchor bolts etc., as per detailed drawings cutting welding and painting 1 coats of red oxide primer before erection & 2 coats of synthetic enamel paint/Aluminium paint of approved brand & colour after erection complete. All bolts, nuts, washers, gas, electrodes are in contractor's scope. Fabrication to be done as per I.S. codes of latest revision. (All the materials are in contractor scope except the Structural steel. Structural steel shall be provided by BHEL free of cost.) (Make of paint and primer shall be Asian, Berger, Narolac and Salimar)					
	(a)	Only fabrication	39.998780%	Kg	5835.00	#VALUE!	#VALUE!
	(b)	Only erection	60.001220%	Kg	5835.00	#VALUE!	#VALUE!
		Total	100.000000%		P		XXXX
In words			0.00				

GST Extra

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

Annexures (I-XII)

Attached below

(To be signed by contractor and submitted along with bid)

DECLARATION BY BIDDER (on letter pad)

We declare that the following family firms or sister concern affiliates / subsidiary firms are participating in the tender **No-FCX/TW/24/14**

1.....

2.....

3.....

I..... , hereby declare on behalf of M/s..... and the family firms or sister concern affiliates / subsidiary firms listed above that we are not indulging in cartel formation for tender **No-FCX/TW/24/14**

Name & signature of the bidder
(Seal)

**SOP For Implementation of Risk and Cost (TOTAL 10
PAGES)**

UPLOADED IN SEPARATE FILE

(To be signed by contractor and submitted along with bid)

Format JS 146 - Price Bid Sheet (in a separate envelope)

UPLOADED IN SEPARATE FILE