



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : FCX/TW/24/05

For

“Civil and allied work for construction of UHV lab at BHEL Jhansi”

Bidders are requested to submit all the qualifying documents including EMD called in NIT (pg 10-11) along with the offer/quotation itself. Offers received without qualifying documents like Work Experience document, Proprietorship/partnership details, GST certificate, PAN card copy, PF & ESI certificates, blank price bid, self declaration & EMD are liable for rejection straight way without asking any clarification. Therefore, bidders are requested to read the tender details carefully before bid submission, merely submitting signed copy of tender document will not make the bidder eligible for consideration in the tender

Contact Person :

Name: Monika

Designation: Sr. Manager (CCC)

Email: monikav@bhel.in

PH : 0510 – 2770001 – 2414

Tender Due Date : 29/10/2024 at 13 :15 Hrs

Tender Opening Date : 29/10/2024 at 14 :00 Hrs

Material Management Department

BHEL, PO : BHEL, Jhansi 284120 (UP)

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	

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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/24/05****DATE:- 08/10/2024****TABLE OF CONTENTS****PART I: TECHNO-COMMERCIAL BID**

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NOTICE INVITING TENDER



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/24/05****DATE:- 08/10/2024****1- NOTICE INVITING TENDER**

S. No.	Particulars	Details
1.	Name of work	Civil and allied work for construction of UHV lab at BHEL Jhansi
2.	Tender Evaluation Criteria	As per GTC issued by “Central Contracting Cell” and Tender Documents.
3.	Duration of the Contract	15 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 200000.00
8.	Cost of tender (Non refundable)	Nil
9.	Validity of Offer	120 days
10.	Defect liability period	Two years (24 months) from the date of completion of work order.
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.	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.

(iii) Cash deposit as permissible under the extant Income Tax Act (before tender opening)

(iii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer)

(iv) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL

(v) Insurance Surety Bonds

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”

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

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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 "Civil and allied work for construction of UHV lab at BHEL Jhansi.** Similarly, the Price-bid must be duly signed and sent in a sealed envelope boldly super-scribing **"PART-II PRICE "Civil and allied work for construction of UHV lab at 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 **"Civil and allied work for construction of UHV lab at BHEL Jhansi"**

The tender shall be addressed to as follows:

Name: Monika

Designation: Sr. Manager (CCC)

Email: monikav@bhel.in

PH : 0510 – 2770001 – 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. Manager (CCC)

Email: monikav@bhel.in

PH : 0510 – 2770001 – 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: **“Civil and allied work for Construction of UHV LAB at BHEL Jhansi.”**

Scope of work shall consist of but not limited to:

1. Excavation and levelling work construction of UHV lab of Inner Size 45 m x 30 m.
2. Clearing of jungle and vegetation in the existing nursery area.
3. Shifting of drainage chambers to appropriate locations.
4. Excavation of pits for foundation as per layout plan.
5. Construction work of UHV lab of inner size 45 m x 30 m as per approved drawing. Inner height will be 22 m and maximum height will be around 26 m.
6. Civil work for construction of column foundation as per drawing. Copper mesh is to be embedded in the concrete works as per required design. Supply of copper mesh and jointing will be carried out by BHEL.
7. Fabrication and Erection of Structural Steel Columns, roof, truss, gantry, purlin, rafters etc. and other requirements as per design submitted by consultant. Fabrication and erection work will also be required to be carried in Bay 9 and Bay 10 as per requirement during execution of project. Structural steel shall be provided free of cost by BHEL.
8. GI Sheeting of outer faces of the steel columns along with the provision of transparent sheets.
9. GI Sheeting on the inner side of steel columns along with provision of perforated sheets packed with glass wool for acoustic considerations.
10. Electrical isolation of floor by construction of electrically insulated raft using PVC sheets, Copper Mesh and GI sheet as per the finalized drawings.
11. Brick work for the sides of the lab up to a height of 4 m.
12. 5 mm thick Epoxy flooring (3.5 mm base and 1.5 mm top coat) over the floor for ensuring cleanliness of the floor.
13. Installation of lifeline over the finished roof as per item description.
14. All the material should be as per item specification mentioned in the BOQ sheet. Reference is to be taken from CPWD manuals for DSR based items. Incase of ambiguity, final decision shall be as per the instruction of Engineer-in-Charge.
15. The scope shall also include all associated & enabling works including the cost of labour, tools & tackles and materials except for those to be provided by BHEL free of cost or on chargeable basis as mentioned in the schedule.

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Note:

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

Civil construction work and structural steel works shall be simultaneously executed. As both activities can be carried out separately in parallel, contractor has to deploy two different teams to carry out these works simultaneously.

The above list is indicative and not exhaustive and shall include any other work not mentioned above but becomes important for successful completion of the entire work.

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 GST Registration to be submitted.
3. Self-Declaration undertaking duly signed with stamp of the bidder on letter Pad of contractor to be submitted.
4. Copy of independent ESI Registration.
5. Copy of independent EPF 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 **141.68 Lakhs** or
Two similar works each valuing not less than the amount equal to Rs **177.11 Lakhs** or
One similar works each valuing not less than the amount equal to Rs **283.37 Lakhs**.

Executed Similar Work means bidder has experience of any type of " **Civil construction 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) 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. For works outside BHEL, TDS Certificate Form 16A is mandatory.

8. **Turnover criteria:** Average Annual financial turnover during the last 3 years ending 31st March 2024, should be at least **Rs. 106.26 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 Capital work, no relaxation shall be given to MSE and Start-up bidders on account of turnover criteria & prior experience.

9. Technical Criteria:

(a) The bidder should have the experience of successfully executed work of Structural steel fabrication and erection works of at least **180 MT** in a single contract (even if the contract has not been completed or closed) during last 7 years to be reckoned from last day of month previous to the one in which applications are invited.

(b) The bidder should have the experience of successfully executed Reinforced Cement Concrete work of at least **300 CUM** in a single contract (even if the contract has not been completed or closed) during last 7 years to be reckoned from last day of the month previous to the one in which applications are invited.

Note: Both the criteria must be met by the bidder to qualify under technical condition. The bidder can provide either single work order or separate work orders to qualify for above 2 points. 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. For works outside BHEL, TDS Certificate Form 16A is mandatory.

10. EMD Value – **Rs. 2,00,000.00/-**

11. 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 (_____)

12. 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 as per BHEL's standard and requirement.

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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**SCHEDULE "A"**

S No.	Particulars	Rate	Quantity
1	Cement	Free of cost	As required
2.	Structural steel	Free of cost	As required
3.	TMT	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.

FIELD QUALITY PLAN FOR

**Civil and allied work for Construction of UHV LAB at BHEL
Jhansi.**

As per attached sheet

Blank price bid -476

As per attached sheet

Annexures-(I-XII) and Integrity Pact

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/24/05**

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/24/05**

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

Regarding conflict of interest of bidders-

*“A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. **The bidder found to have a conflict of interest shall be disqualified.** A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:*

- a) they have controlling partner (s) in common; **or***
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; **or***
- c) they have the same legal representative/agent for purposes of this bid; **or***
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; **or***
- e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; **or***

f) *In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following:*

- 1. The principal manufacturer directly or through one Indian agent on his behalf; and*
- 2. Indian/foreign agent on behalf of only one principal;*

or

g) *A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; **or***

h) *In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business."*