



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : FCX/TW/24/15

For

“Epoxy flooring work in New Bogie Shop under Vande Bharat Project.”

IMPORTANT NOTE

Bidders are requested to submit all the qualifying documents including EMD called in NIT (pg 9-10) 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.

Tender Due Date 04/10/2024 at 13 :15 Hrs

Tender Opening Date : 04/10/2024 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	

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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	
16.	Documentary proof (Completion Certificate and WO/PO/LOI) & TDS certificate issued from traces (Form 26AS or 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.	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

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

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NOTICE INVITING TENDER



1- NOTICE INVITING TENDER

S. No.	Particulars	Details
1.	Name of work	Epoxy flooring work in New Bogie Shop under Vande Bharat Project.
2.	Tender Evaluation Criteria	As per GTC issued by “Central Contracting Cell” and Tender Documents.
3.	Duration of the Contract	10 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 95339.00
8.	Cost of tender	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 **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 “ Epoxy flooring work in New Bogie Shop under Vande Bharat Project.** Similarly, the Price-bid must be duly signed

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and sent in a sealed envelope boldly super-scribing "PART-II PRICE "Epoxy flooring work in New Bogie Shop under Vande Bharat Project" Both these envelopes shall be placed inside 3rd sealed envelope super-scribing" duly signed and sent in a sealed envelope boldly super-scribing "Epoxy flooring work in New Bogie Shop under Vande Bharat Project"

The tender shall be addressed to as follows:

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.

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

Brief Description of Work / Scope of work

Name of work: "Epoxy flooring work in New Bogie Shop under Vande Bharat Project"

The scope of work shall be including but not be limited to the following:

1. The work is required for providing clean and dust free environment in the shop in-order to improve the overall quality of the finished manufactured product.
2. Area of epoxy flooring 2785 Sqm covering New Bogie Shop. Entire bogie shop 102m x 26 m shall be covered with epoxy coating alongwith associated areas.
3. Removal of existing old coatings/paintings from concrete floor by using scarifying machines, sanders, scrubbing machines, wire brushes and other mechanical tools. Oil contaminated areas/oil soaked areas must be degreased with the help of universal degreaser or flame burning by mechanical, chemical or any other suitable means. Make entire area dust free and dry with the help of high capacity vacuum cleaner and hot air blowers.
4. Repair of floor/pot holes and joints and works on expansion joints.
5. Providing and laying 5mm thick high density/highly abrasion resistant epoxy resin floor based screed flooring (compressive strength not less than 50N/sqmm at 7 days flexural strength not less than 25N/sqmm at 7 days inclusive of average 1.5mm thick topping of self levelling epoxy flooring of approved colour (compressive strength not less than 50N/sqmm at 7 days and flexural strength not less than 20N/sqmm at 7 days) after application of one or more coats of compatible and appropriate epoxy primer on the prepared surface.

Note:

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

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 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:

-

One similar works each valuing not less than the amount equal to **Rs 38.14** Lakhs or

Two similar works each valuing not less than the amount equal to **Rs 23.84** Lakhs or

Three similar works each valuing not less than the amount equal to **Rs 19.07** Lakhs.

Executed Similar Work means bidder has experience of "Any type of **Epoxy Flooring Work over RCC Floor**" 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 non -BHEL experience, TDS (16A) is mandatory along with WO/PO and completion certificate. Parties have to provide clear linking amongst all documents (duly certified by the customer) certifying the value of the work completed with the respective values reflected in TDS certificate.

8. Turnover criteria: Average Annual financial turnover during the last 3 years ending 31st March 2024 should be at least **Rs. 14.30** 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 Start Up Scheme and MSE Scheme: Considering critical quality aspects and technical specification implications for this capital work, no relaxation shall be given to Start-up bidders and MSE 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 95339.00**

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 of BHEL.

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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

Nil

All required tools and tackles are to be brought by the contractor.

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Blank price bid -476

SL · N os ·	Description of work	% Allocation (Item-wise)	Unit	Quantity	Rate per Unit (in Rs.)	Amount (in Rs.)
1	<u>Dry Area Surface preparation</u> : Removal of existing old coatings/paintings from concrete floor by using scarifying machines, sanders, scrubbing machines, wire brushes and other mechanical tools. Oil contaminated areas/oil soaked areas must be degreased with the help of universal degreaser or flame burning by mechanical, chemical or any other suitable means. Make entire area dust free and dry with the help of high capacity vacuum cleaner and hot air blowers. Then it should be washed thoroughly by solvent cleaning/detergent washing acid cleaning. This process must be repeated upto satisfaction of Engineer-in- charge to ensure permissible limit of moisture & oil content. (The area under execution shall be baricaded and covered to protect outer area from dust).	0.292222%	Sqm	1393.00	#VALUE!	#VALUE!
2	<u>Oil soaked area Surface preparation</u> : Removal of existing old coatings/paintings from concrete floor by using scarifying machines, sanders, scrubbing machines, wire brushes and other mechanical tools. Oil contaminated areas/oil soaked areas must be degreased with the help of universal degreaser or flame burning by mechanical, chemical or any other suitable means. Make entire area dust free and dry with the help of high capacity vacuum cleaner and hot air blowers. Then it should be washed thoroughly by solvent cleaning/detergent washing acid cleaning. This process must be repeated upto satisfaction of Engineer-in- charge to ensure permissible limit of moisture & oil content. (The area under execution shall be baricaded and covered to protect outer area from dust)	0.350667%	Sqm	1393.00	#VALUE!	#VALUE!
3	Repairing of cracks, erosion, crumbled joints, small size damages, pot holes, etc., in the concrete floor with fast setting epoxy resin based putty / mortar including cutting in regular shape etc. complete. Undulations ,if any, found in the existing floor has to	8.370192%	Cum	4.20	#VALUE!	#VALUE!

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

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	be removed followed by filling with epoxy screed to the required thickness to bring the level within tolerance limits.					
4	Expansion joint edge must be checked and if required to be repaired up to correct width, clean all sorts of loose particles dust, oil, grease etc by means of vacuum cleaner, air blower and other mechanical tools. Then insert expanded polystyrene based backer rod (High density) of appropriate dimension i.e. around 30mm dia. for 25mm wide joint in the prepared expansion joint. Provide bond breaking tape on both sides of the joints and over the backer rod in the entire length of the joint. Apply compatible primer on both sides of expansion joint. Apply polysulphide based sealant in the joint after properly mixing the same with the help of mechanical stirrer and apply by means of polysulphide gun. After finishing the top surface, remove the tape all as per specification and direction. Expansion joint filling size 25mm width and 12.5 mm depth.	0.430467%	metre	108.00	#VALUE!	#VALUE!
5	Providing and laying 5mm thick high density/highly abrasion resistant epoxy resin floor based screed flooring (compressive strength not less than 50N/sqmm at 7 days flexural strength not less than 25N/sqmm at 7 days inclusive of average 1.5mm thick topping of self levelling epoxy flooring of approved colour (compressive strength not less than 50N/sqmm at 7 days and flexural strength not less than 20N/sqmm at 7 days) after application of one or more coats of compatible and appropriate epoxy primer on the prepared surface.	90.556452%	Sqm	2785.00	#VALUE!	#VALUE!
	Total	100.00%				XXXXXX
	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/24/15**

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/24/15**

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