



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : TCX/TW/22/10

For

Repair & Maintenance works in Guest house.

Contact Person :

Name : MS Monika

Designation : Manager (CMM)

Email : monikav@bhel.in

PH : 0510 – 2770001 – 2414

Or

Name: P B S Ekka

Designation: AGM (CMM)

Email: pbsekka@bhel.in

PHONE: 0510-2770001-2549

Tender Due Date - 23/09/2022 at 13 :15 Hrs

Tender Opening Date -23/09/2022 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		
Essential 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 as per annexure V of GTC .	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 year i. 2019-20 ii. 2020-21 iii. 2021-22	Submitted/ Not submitted	

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16.	Work Experience i. Work order ii. Completion Certificate iii. Bill of Quantity Relevant TDS/TRACES (in case of Experience in private sector)	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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NOTICE INVITING TENDER



Township Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : TCX/TW/22/10****DATE:- 14/09/2022****1- NOTICE INVITING TENDER**

S. No.	Particulars	Details
1.	Name of work	Repair & Maintenance works in Guest house.
2.	Tender Evaluation Criteria	As per GTC issued by “Central Contracting Cell” and Tender Documents.
3.	Duration of the Contract	04 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. 8195/-
8.	Cost of tender (Non refundable)	Rs. Nil
9.	Validity of Offer	120 days
10.	Defect liability period	One year from actual date of completion
11.	Reverse Auction	RA will not be conducted for this tender
12.	MSME Benefit	Not Applicable
13.	Start-up scheme Benefit	Not Applicable

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 “Repair & Maintenance works in Guest house. “. Similarly, the Price-bid must be duly signed and sent in a sealed envelope boldly super-scribing “PART-II PRICE BID FOR “Repair & Maintenance works in Guest house. “. Both these envelopes shall be placed inside 3rd sealed envelope super-scribing” duly signed and sent in a sealed envelope boldly super-scribing “Repair & Maintenance works in Guest house.**

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

Township Civil Department

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The tender shall be addressed to as follows:

MS Monika

Manager (CMM)

Email : monikav@bhel.in

PH : 0510 – 2770001 – 2414

Sealed Tenders can be submitted (i) personally, (ii) by Courier, or (iii) by 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

MS Monika

Manager (CMM)

Material Management Department

Email : monikav@bhel.in

BHEL, JHANSI - 284120

PH : 0510 – 2770001 – 2414

Or by mail

Tenderbox.jhs@bhel.in

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

Sl.no.	Ref.No.	Description of work	Unit	Qty.
Section"A" Based on DSR 2016				
1	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified.Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Ltr.	25.00
2	2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) :Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	Meter	24.00
3	2.35.2.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	Meter	34.00
4	2.35.3.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	Sqm	99.00
5	2.35.4.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) : Treatment of existing masonry using chemical emulsion @one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyriphos/Lindane E.C. 20% with 1% concentration .	Meter	26.00

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6	2.35.5	Diluting and injecting chemical emulsion for POST-ONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	Meter	12.00
7	4.1.3	P and L in position Cement concrete -1:2:4 (1 Cement: 4 coarse sand: 8 graded stone aggregate 20mm nominal size) excluding the cost of entering and shuttering all work up to plinth level.	cum	2.00
8	6.4.2	Brick work with FPS bricks of (II nd class kanpur brick) in Super structure 1:6 (1 cement : 6 fine sand) upto floor five level.	cum	7.00
9	6.13.2	Providing Half Brick masonry in super structure upto floor five level . 1:4 (1 cement :4 coarse sand)	sqm	3.00
10	11.49.2/198	Providing and laying Vitriified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	sqm	12.00
11	13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	sqm	165.00
12	13.1.2/227	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	sqm	50.00
13	13.2.2/227	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	sqm	50.00
14	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	242.00
15	14.1.2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	sqm	52.00

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16	15.2.1	Demolishing cement concrete including disposal of material within 50 meter lead (1:3:6)	cum	5.00
17	15.7.4	Demolishing brick work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead.	cum	2.00
18	DSR 2016	All items of DSR 2016 not covered above	L.S.	1.00
Section "B" Premium Interior works (Based on Market rates)				
19	NS-1	Texture painting (Metallic finished) with co-polymer emulsion based paint for interior application to create different types of special effects such as crinkle, dapple, weaving, canvas, spatula, colourwash, ragging, sponging, combing, and brushing etc. as per direction of Engineer-in-charge. Brand-Asian paint /Nerolac/	Sqm	90.00
20	NS-2	Providing and fixing pre manufactured gypsum molding / cornice corner in required pattern and shape & size and as per the architectural drawings and the directions of Engineer-in-charge	Mtr.	36.00
21	NS-3	Providing and fixing glazing in fixed aluminium structure with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge :- With French embossed (etched) float glass panes of 12 mm thickness. Brand- Modiguard/ SAINTGOBAIN / TRIVENI or equivalent	Sqm	16.00
22	NS-4	Fixed frame work for aesthetic purpose with built up standard tubular sections/appropriate Z sections and other sections of Polyester powder coated aluminium with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per required pattern & shape and the directions of Engineer-in-charge.	Kg	120.00
23	NS-5	PU (Polyurethane) Polishing on wood work (Old work) as per direction of engineer-in-charge.	Sqm.	6.00
24	NS-6	Providing and fixing suspended false ceiling made out of 10 mm to 12.50 mm thick Gypsum Plaster Boards consisting of G.I standard section framework in the pattern and design as per direction of the Engineer-in-charge. The G.I. Section frame work shall be tied to the roof and walls with the anchor fastener screws/bolts of appropriate size recommended by the manufacturer (max. 450 mm C/C) . The boards shall be fixed to the frame	Sqm	68.00

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		work with the screws and the joints shall be flushed and finished with requisite jointing compounds paper tapes etc. Rates includes execution of works in different levels/offsets etc. The surface shall be finished evenly by applying putty,sand papering,applying 2 coat primer evenly complete. Rate inclusive of materials transportation, loading/unloading labor, tools and tackles up to any lead and lift complete in all respects. Brand- Gyproc,Armstrong,Shera or equivelant.		
25	NS-7	Providing & Fixing in position CNC cut Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick on frame including cost of required Cut-Outs as per detailed Architectural Design & Drawings Complete in all aspects as directed by engineer in charge.(Including Frame work consiting of G.I standard section /studs or any other suitable arrangment)	Sqm	10.00

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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. Signed copy of Blank Price Bid.

6. Similar Completed work- The bidder should have the experience of having successfully completed similar work against completed work order in past seven years ending last day of the month previous to the one in which applications are invited for amounting to values mentioned as under:

One Work valuing not less than **Rs 3.28 Lakhs** . Or

Two works each valuing not less than **Rs 2.05 Lakhs**. Or

Three works each valuing not less than **Rs 1.64 Lakhs** .

Definition of Similar Work: All type Civil construction/Maintenance /Renovation works.

(Note: For verification by the department, work order copy and work completion certificate mentioning successful completion by the client shall be submitted by the vendor. If the work is done for a private customer, relevant TDS Certificate (TRACES Only) must be submitted as evidence in addition to above work completion certificate & work order copy by the vendor.

7. Turnover criteria: Average annual financial turnover during the last three years, ending 31st March , 2022 {i.e. FY-2019-20, FY-2020-21 and FY 2021-22) applicable as per norm shall be at least **Rs 1.23 Lakhs**. Duly audited financial statement/balance sheet/certified by CA to be submitted as supporting documents. If all balance sheet/financial statement are not available for three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheet/certificate from CA/Financial statement by three.

Note-1:- Benefits under MSMED Act: Being a work contract involving usage of incidental material, benefits under MSMED act will not be applicable under this contract.

Note-2:- Benefits under Start Up Scheme: Considering critical quality aspects and technical specification implications for the work, no relaxation shall be given to Start-up bidders on account of *turnover criteria* & prior experience.

8. Documentary proof in support of above eligibility criteria along with EMD shall be submitted along with Techno Commercial Bid.(**EMD Rs.-8195.00**)

9. 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.

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(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 (_____)

10. 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 (JHS2055C R02)

UPLOADED IN SEPERATE FILE - PAGE NO 01 TO 14
(To be signed by contractor and submitted along with bid)

FREE ISSUE MATERIAL TO THE CONTRACTOR

SCHEDULE "A"

S No.	Particulars	Rs.	Quantity
1	Structural steel	Free of cost	As required
2	Cement	Free of cost	As required
3	Reinforcement Steel	Free of cost	As required
4	Any other item (if applicable)	Free of cost	As required

Note: Tools and Plants if issued to contractor on chargeable basis than the amount shall be deducted as per rates decided by BHEL prior to issue.

SPECIAL TERMS AND 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 difference in between CPWD and IS specifications latter shall prevail.
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 as per instruction of Engineer-in-Charge with restriction of awarded value of work and the contractor shall not be liable for any claim of compensation on this account.
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. The contractor will be fully responsible for the preparation of bill and submission to Engineer-in-charge.
16. Water will be supplied at one point by BHEL. Water charges @ 1 % of gross bill amount shall be recovered.
17. 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).

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18. 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.
17. 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.
18. For all natural minerals used in the work like sand, aggregate etc. royalty certificate (MM-11) must be submitted along with bills. If royalty certificate is not submitted the cost of royalty shall be deducted from contractor's bill as per prevailing Govt. order including penalty as applicable.
19. 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.
20. PVC and ORC clauses are not applicable.
21. Taxes & Duties - The contractor shall submit their offer inclusive of all duties, royalty, entry tax etc except GST. If GST is applicable for the work, the contractor shall claim GST extra as per actual over the quoted price of the work. However the contractor must make payment of GST before claiming the same from BHEL.
22. The contractor shall take necessary precautions for the safety of his workmen and provide them with all safety equipment like gloves, gum-boots etc as per requirement. BHEL shall not be liable to pay any additional amount on account of any safety equipment / PPE. The contractor will follow all safety rules required in connection with execution of such type of works. The contractor will provide the all safety equipment i.e. safety shoes, safety belt, goggle and all other equipment, which are direct, related to work execution at own his cost.
23. The contractor shall take proper care to avoid any damage to BHEL property. If any damage does take place, the contractor will be fully responsible for the same. The decision of Engineer in charge in such case shall be final and binding on contractor.
24. The workers should be trained enough for the work. No minor worker will be allowed to work.
25. The contractor shall be wholly responsible for the behavior of his workmen with the official staff.
26. All tools & tackles, ladder & machinery required for the work execution shall be arranged by contractor on his cost.
27. The contractor will be fully responsible to follow the instruction related to works, given and recorded by department in "Site order Book" and will be signature by him daily against recorded instructions in "Site Order Book" at department.
28. RECOVERY FOR LAND & BUILDING RENT ISSUED TO CONTRACTOR ON DEMAND & AVAILABILITY.

Sl.No.	Description	Recovery Rate
1	Open land for labour stay.(For temporary arrangements.)	Rs. 5.00/ sqm

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

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2	Store building (if available) or land for store (for temporary arrangements).	Rs. 25.00/ sqm –plinth area
3.	Resident building –only X type or Type 2.	As per applicable BHEL RULES and guidelines.

29. 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.

30. 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.

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<u>Sl. No.</u>	<u>Description of Work</u>	<u>% Allocation (Item-wise)</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate per Unit (in Rs.)</u>	<u>Amount (in Rs.)</u>
Part A						
1	Supplying chemical emulsion in sealed containers including delivery as specified.Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	0.5955670509	Ltr.	25.00	#VALUE!	#VALUE!
2	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) :Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	0.0610248119	Meter	24.00	#VALUE!	#VALUE!
3	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONALanti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	0.1250463780	Meter	34.00	#VALUE!	#VALUE!

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BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Township Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : TCX/TW/22/10****DATE:- 14/09/2022**

4	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	1.9763593667	Sqm	99.00	#VALUE!	#VALUE!
5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of existing masonry using chemical emulsion @one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyriphos/Lindane E.C. 20% with 1% concentration .	0.0749642593	Meter	26.00	#VALUE!	#VALUE!
6	Diluting and injecting chemical emulsion for POST- ONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	0.3476234822	Meter	12.00	#VALUE!	#VALUE!

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

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7	P and L in position Cement concrete - 1:2:4 (1 Cement: 4 coarse sand: 8 graded stone aggregate 20mm nominal size) excluding the cost of entering and shuttering all work up to plinth level.	0.9794179612	cum	2.00	#VALUE! !	#VALUE!
8	Brick work with FPS bricks of (II nd class kanpur brick) in Super structure 1:6 (1 cement : 6 fine sand) upto floor five level.	5.0307541225	cum	7.00	#VALUE! !	#VALUE!
9	Providing Half Brick masonry in super structure upto floor five level . 1:4 (1 cement :4 coarse sand)	0.2566810746	sqm	3.00	#VALUE! !	#VALUE!
10	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	1.8959827878	sqm	12.00	#VALUE! !	#VALUE!
11	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	2.2825277497	sqm	165.00	#VALUE! !	#VALUE!
12	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	1.0254045159	sqm	50.00	#VALUE! !	#VALUE!

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13	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	1.1768314116	sqm	50.00	#VALUE! !	#VALUE!
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	4.2882886044	sqm	242.00	#VALUE! !	#VALUE!
15	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	1.7157174306	sqm	52.00	#VALUE! !	#VALUE!
16	Demolishing cement concrete including disposal of material within 50 meter lead (1:3:6)	0.7545236698	cum	5.00	#VALUE! !	#VALUE!
17	Demolishing brick work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead.	0.2551024814	cum	2.00	#VALUE! !	#VALUE!
18	All items of DSR 2016 not covered above	5.2972927021	L.S.	35000.00	#VALUE! !	#VALUE!
Part B						
19	Texture painting (Matellic finshed) with co-polymer emulsion based paint for interior application to create different types of special effects such as crinkle, dapple, weaving, canvas, spatula, colourwash, ragging, sponging, combing, and brushing etc. as per direction of Engineer-in-charge. Brand-Asian paint /Nerolac/	18.5613582009	Sqm	90.00	#VALUE! !	#VALUE!

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20	Providing and fixing pre manufactured gypsum molding / cornice corner in required pattern and shape & size and as per the architectural drawings and the directions of Engineer-in- charge	1.1861696365	Mtr.	36.00	#VALUE! !	#VALUE!
21	Providing and fixing glazing in fixed aluminium structure with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge :- With French embossed (etched) float glass panes of 12 mm thickness.Brand- Modiguard/ SAINTGOBAIN / TRIVENI or equivalent	16.7137647547	Sqm	16.00	#VALUE! !	#VALUE!
22	Fixed frame work for aesthetic purpose with built up standard tubular sections/appropriate Z sections and other sections of Polyester powder coated aluminium with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per required pattern & shape and the directions of Engineer-in-charge.	13.6189847154	Kg	120.00	#VALUE! !	#VALUE!
23	PU (Polyurethane) Polishing on wood work (Old work) as per direction of enineer-in-charge.	2.3430511338	Sqm.	6.00	#VALUE! !	#VALUE!

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24	Providing and fixing suspended false ceiling made out of 10 mm to 12.50 mm thick Gypsum Plaster Boards consisting of G.I standard section framework in the pattern and design as per direction of the Engineer-in-charge. The G.I. Section frame work shall be tied to the roof and walls with the anchor fastener screws/bolts of appropriate size recommended by the manufacturer (max. 450 mm C/C) . The boards shall be fixed to the frame work with the screws and the joints shall be flushed and finished with requisite jointing compounds paper tapes etc. Rates includes execution of works in different levels/offsets etc. The surface shall be finished evenly by applying putty,sand papering,applying 2 coat primer evenly complete. Rate inclusive of materials transportation, loading/unloading labor, tools and tackles up to any lead and lift complete in all respects. Brand- Gyproc,Armstrong,Shera or equivalent.	16.2646799541	Sqm	68.00	#VALUE!	#VALUE!
25	Providing & Fixing in position CNC cut Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick on frame including cost of required Cut-Outs as per detailed Architectural Design & Drawings Complete in all aspects as directed by engineer in charge.(Including Frame work consisting of G.I standard section /studs or any other suitable arrangement)	3.1728817437	Sqm	10.00	#VALUE!	#VALUE!
	Total	100.00	Total amount quoted by bidder		XXXX	

GST EXTRA (Don't fill rates in this sheet.)

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Seal & Signature OF BHEL contracting authority

Annexures (I-XII)

UPLOADED IN SEPARATE FILE

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

ANNEXURE –A

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- **TCX/TW/22/10**

- 1.0.....
- 2.0.....
- 3.0.....

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 **TCX/TW/22/10**

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