



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering and Services

Tender Enquiry No: WEX/TE/TW/24/10 Dated 09.04.2024



TENDER DOCUMENT

Tender Enquiry No. : WEX/TE/TW/24/10 Dated 09.04.2024

For

**“Miscellaneous Electrical Works for Factory and Township in BHEL-Jhansi
(Works Contract)”**

Contact Person:

Name: Hirendra Raut
Designation: Sr. Manager-WEX
Email: hirendra@bhel.in
PH: 0510-2770001 (Extn 2581)

Tender Due Date: 23.04.2024, at 13:15 Hrs.

Tender Opening Date: 23.04.2024, at 14:00 Hrs.

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

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

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering and Services

Tender Enquiry No: WEX/TE/TW/24/10 Dated 09.04.2024

DETAILS OF TENDER DOCUMENT

Nature of work: Miscellaneous Electrical Work for Factory and Township in BHEL-Jhansi (Works Contract)

BHEL -JHANSI is in the process of finalizing the Works contract of **Miscellaneous Electrical Work for Factory and Township in BHEL- Jhansi (Works Contract)**.

The tender document has been detailed as follows:

- a) Notice Inviting Tender (Annexure A)
- b) Scope of work & Work Specifications (Annexure B)
- c) Qualifying Requirements (Annexure C)
- d) Special Terms and Conditions (Annexure D)
- e) Technical Bid Application (Annexure E)
- f) Blank Price Bid format (Annexure F (a))
- g) Price Bid format (Annexure F (b))
- h) General Terms and Conditions
- i) Document referred in GTC (Annexure I- XIII)

The duly filled in technical bid, blank price bid and price bid (refer annexure E, F (a) & F (b)) separately along with the tender instructions & contractor obligations, general terms and conditions with the signature & seal of the tenderer on all the pages and complete in all respects super scribed as **"Quotation for Tender No. WEX/TE/TW/24/10 Dated 21.03.2024 "** should reach us in a sealed cover **on or before 23.04.2024 (13.15 hours)** through Registered / Speed post or the same may be dropped in the tender box available at the following address: (refer GTC ii (c).

To
Tender Box
Security Control Room/Office
Administrative Building
Bharat Heavy Electricals Limited
Jhansi-284120. UP

- Note: 1)** Dropping of tender in the Tender Box within schedule time and date is the responsibility of the bidder.
2) Technical bid and price bid should be submitted in separate sealed envelopes, in case the bids founds in one single envelope then the "bids" are liable to be rejected.



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Tender Documents

TENDER ENQUIRY NO: WEX/TE/TW/24/10

Date: 09.04.24

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



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Annexure A

NOTICE FOR INVITING TENDER

S. No	Particulars	Details
1	Brief Description of work	Miscellaneous Electrical Work for Factory and Township in BHEL-Jhansi (Works Contract).
2	Tender Evaluation Criteria	As per GTC point (iv)
3	Duration of Contract	One Year or Completion of total work
4	Last date of receipt of the Tender	Up to 13:15 hrs. on 23.04.2024
5	Date of opening of Techno – Commercial Bid.	14:00 hrs. on 23.04.2024
6	Address for submitting the Tender	As per GTC point ii(c)
7	Earnest Money Deposit * (EMD)	₹ 6089.00
8	Cost of Tender	NIL
9	Validity of Offer	120 Days
10	Security Deposit	As per GTC point (ix)

Note: *

The EMD shall be accepted only in the following forms:

Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL account details: Bank Name: - SBI; A/c No. : - 10670828866; IFSCCode: - SBIN0003807 A/c Holder Name: BHARAT HEAVY ELECTRICALS LIMITED

The contractors may physically visit the work place before quoting their rates. For relevant details please visit our website “www.bhel.com” & www.bheljhs.co.in



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Annexure B

WORK SPECIFICATION

DETAILS OF WORK:

SI No	Description of work	Qty.
1	Preparation of earth pits and laying of earth strips	
1.1	Preparation of earth pits	11 Nos
1.2	Laying and connecting earthing strips	120 Meters
2	Electrical wiring work	
2.1	Batten point wiring	310 Nos
2.2	Conduit point wiring	470 Nos
2.3	Fixing and connecting fan and tube fittings	310 Nos
2.4	Fixing and connecting Distribution Boards	60 Nos
2.5	Laying and connecting sub-main connection	2000 Meters
3	Cable laying work	
3.1	Laying of LT cable	3400 Meters
4	Erection of pole for street light fittings	
4.1	Erection of poles	10 Nos
4.2	Dismantling of poles	5 Nos
4.3	Fixing and connecting street light fittings	30 Nos
5	Trimming of trees under and around of overhead HT and LT lines and dispose of the waste material.	16 Nos
6	Trimming of trees under and around of street light poles and dispose of the waste material.	360 Nos
7	Preventive Maintenance Of Desert Coolers	207 Nos
8	Preventive Maintenance Of Ceiling Fans	582 Nos
9	Laying of HT cable	2000 Meters

SCOPE OF WORK:

1. Preparation of earth pits and laying of earth strips:

1.1 Preparation of earth pits: Excavation of earth pit of size as per given drawing receiving and shifting of material from store to work place, fixing of electrodes of size as per given drawing and backfilling of pit. All the material shall be provide by BHEL.

1.2 Laying and connecting earth strips: Receiving and shifting of material from store to work place, laying and connecting earth strip from earth pit to concerned installation in all respect.

1.3 Preparation of earth chamber: Vendor to prepare earth chamber of size 300mmX300MM or as instructed by area in-charge. All the material needed for earth chamber preparation shall be provided by BHEL.



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2. Electrical wiring work.

2.1 Batten point wiring: Wiring will be done as per instruction of area in-charge. All the materials needed for wiring will be Issued to contractor from WE&S store /Township store.

2.2 Conduit point wiring: Wiring will be done as per instruction of area in-charge. All the materials needed for wiring will be Issued to contractor from WE&S store /Township store.

2.3 Fixing and connecting fan and tube fittings: Fixing and connection of fan and tube fittings will be done as per Instruction of area in-charge. All the materials needed for fitting and connection will be issued to contractor from WE&S store /Township store. Assembly of fan also to be done by contractor.

2.4 Fixing and connecting Distribution Board: Fixing and connection of Distribution Board (DB) will be done as per Instruction of area in-charge. All the materials needed for fitting and connection will be issued to contractor from WE&S store /Township store.

2.5 Laying and connecting sub – main connection: Laying of Sub –Main connection will be done in township and factory as per Instruction of area in-charge. The work includes removing of old Sub-Main connections and laying of new Sub-Main connections. All the materials needed for connections will be issued to contractor from WE&S store /Township store.

3. Laying of LT cable:

3.1 Cable laying work of LT cable will be done as per the instruction given by maintenance in-charge, it includes transportation of cable drum from store to work place, excavation for preparation of cable trench, laying of cable in a buried cable trench size 450X600 mm deep duly covered with bricks and re-filling with excavated earth and finish up to the existing ground level in all respect.

3.2 Bricks and other material needed for covering cable trench while laying of cable shall be in the scope of contractor.

3.3 Cable will be issued to the contractor free of cost from WE&S store.

3.4 After cable laying the empty cable drums or remaining cable in drums should be handed-over to WE&S store.

4. Erection of pole for street light fittings:

4.1 Erection of pole:

4.1.1 Excavation of pit (approximate size 3x3x6 feet).

4.1.2 Shifting /Transportation of pole from WEX store to the required Location.

4.1.3 Erection of pole.

4.1.4 Grouting of pole.

4.2 Dismantling of pole:

4.2.1 Dismantling of street light fitting/cross arm.

4.2.2 Disconnection of cables in terminal box.

4.2.3 Excavation of pits around the pole.

4.2.4 Dismantling /lay down the pole.

4.3 Fixing and connecting street light fittings:

4.3.1 Laying of connecting wire from mask of fitting to terminal box of street light fittings.



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- 4.3.2** Termination /connection of cable in terminal box.
- 4.3.3** Fixing and providing connection of street light fittings
- 5. Trimming of trees under and around of overhead HT and LT lines and dispose of the waste material:** Scope includes trimming of trees under and around (Approx. 2 to 3 Meters) of HT and LT lines in BHEL-Township and make lines clear in all respect. The total work shall be done in 04 phases (Approximate 04 KM per phase) during total contract period, as directed by section in-charge. The waste generated after trimming of trees shall be disposed of to the place as directed by section in-charge.
- 6. Trimming of trees under and around of street light poles and dispose of the waste material:** Scope includes trimming of trees under and around of underground (Approx. 2 to 3 Meters) street light poles and make all street lights clear in all respect. The total work shall be done in 04 phases (Approx. 90 nos. street light poles per phase) during total contract period, as directed by section in-charge. The waste generated after trimming of trees shall be disposed of to the place as directed by section in-charge.
- 6.1** Before start of work on any electrical line the contractor has to confirm from township electrical maintenance centre that the concern line is under shutdown in all respect.
- 6.2** After completing the work on line contractor has to remove all workers from the concern electrical lines then contractor has to request township electrical maintenance centre in-charge to re-energize the line.
- 6.3** Contractor or his authorized representative shall be present at site while their workers are working on Electrical lines.
- 7. Preventive maintenance of Desert Coolers:** Dismantling, cleaning, change of wood wool, Oiling, greasing, re-assembling and making running condition in all respect.
- 8. Preventive maintenance of Ceiling fans:** - Dismantling, cleaning, change of bearing (if required), oiling and greasing, re-assembling and making fan in running condition in all respect.
- 9. Laying of HT cable:**
- 9.1** Cable laying work will be done as per instructions given by maintenance in charge. It includes transportation of cable drums from store to work place, excavation for preparation of cable trench, laying of cable in a buried cable trench sized 450X1000mm deep duly covered with bricks and re-filling with excavated earth and finish up to the existing ground level in all respect.
- 9.2** Bricks and other material needed for covering cable trench while laying of cable shall be in the scope of contractor.
- 9.3** Cable will be issued to the contractor free of cost from WE&S store.
- 9.4** After cable laying the empty cable drums or remaining cable in drums should be handed-over to WE&S store.



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Annexure C

QUALIFYING REQUIREMENTS

SL	Description of Qualifying requirement						
1.	<p>Average Annual Financial turnover:</p> <p>1.1) Average Annual financial turnover during the last 3 years, ending 31st March, 2023 should be at least Rs. 0.91 Lakhs. Bidder to attach audited balance sheet and Profit & Loss Account of last three financial years, ending 31st March 2023, or Certificate of CA as proof of financial turnover for respective years.</p> <p>1.2) If all the balance sheets are not available for all three years then the average shall be calculated by dividing the sum of turnover of submitted balance sheets by three.</p>						
2.	<p>Experience:</p> <p>Experience of having successfully completed similar work (similar work defined below) during last 7 years from the date of floating of tender should be either of the following:-</p> <p>a. Three similar completed works contracts during last 7 years from the date of floating of tender each costing not less than the amount equal to Rs. 1.22 Lakh. OR</p> <p>b. Two similar completed works contracts during last 7 years from the date of floating of tender each costing not less than the amount equal to Rs. 1.52 Lakh OR</p> <p>c. One similar completed work contracts during last 7 years from the date of floating of tender each costing not less than the amount equal to Rs. 2.44 Lakh.</p> <p>Similar work:</p> <p>1. Experience for laying of HT cables. OR</p> <p>2. Experience for execution of minor electrical work like: LT/HT panel erection & commissioning/laying of LT cables/preparation of earth pits/ point wiring/erection of lighting poles and fittings.</p> <p>Note: Vendor shall have experience of either of above mentioned point 1 / 2 or both points. As evidence of the above information, the bidder to attach the documentary proof as below.</p> <table border="1"><thead><tr><th>Worked for</th><th>Documentary Proof to be attached.</th></tr></thead><tbody><tr><td>A) Experience in Government Organizations / PSU/Semi Government/ Private Sector.</td><td>i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate/ performance certificate iii) TDS Certificate (Traces form 26AS or 16A)</td></tr><tr><td>B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.</td><td></td></tr></tbody></table>	Worked for	Documentary Proof to be attached.	A) Experience in Government Organizations / PSU/Semi Government/ Private Sector.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate/ performance certificate iii) TDS Certificate (Traces form 26AS or 16A)	B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.	
Worked for	Documentary Proof to be attached.						
A) Experience in Government Organizations / PSU/Semi Government/ Private Sector.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate/ performance certificate iii) TDS Certificate (Traces form 26AS or 16A)						
B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.							
3.	<p>Considering Critical Quality, safety aspects and Technical specification implication of maintenance work. No relaxation shall be given to MSE/Start-up bidder on account of Prior Experience and Turnover.</p>						



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Annexure D

SPECIAL TERMS & CONDITIONS:

SCOPE OF CONTRACT & ITS FACILITIES:

1. All the spares including consumable like gear oil, grease, cotton waste, Electrical items, gas cutting, welding and machining facilities etc. shall be provided by BHEL- Jhansi free of cost.
2. The contractor shall maintain sufficient staff to carry out above mentioned work in line with scope of work. Work shall be done in first and Second shifts. However during production/ emergency, work in third shift may also be done in some areas as instructed by the maintenance in-charge.
3. A responsible and competent supervisor shall be posted to co-ordinate and supervise the work.
4. Contractor is required to maintain sufficient experienced (technical and helper) staff to carry out the subject work during total contract period.
5. Before quoting bidder may visit the site to see equipment installation and quantum of work if required.

6. Contract Facilities and Free Issues :

6.1 Water, electricity, compressed air, oxygen and acetylene welding facilities and welding/brazing rod will be provided by BHEL free of cost. However, no claims will be admissible if the above facilities are not provided due to any reason what so ever both within factory premises and outside.

6.2 All required spares and consumable like, electrical spares etc. shall be given by BHEL free of cost.

7. All the tools like Axe, Saw and ladder for trimming of tree shall be arranged by the contractor.



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Annexure-E

TECHNICAL BID APPLICATION FOR 'Miscellaneous Electrical Work in BHEL Jhansi Factory and Township (Work Contract)

(A) ESSENTIAL DOCUMENTS REQUIRED

1. Name of the firm: _____

2. Name of the Proprietor: _____

3. Address, e-mail and Contact Numbers: _____

4. ESI Code Number (of the company's operator): _____

Copy of the ESI Certificate Enclosed / Not Enclosed

5. PAN/TAN Number: _____

6. Goods & Service Tax Number (PAN Based): _____

Copy of Certificate Enclosed / Not Enclosed

7. Audited financial statement/CA Certificate as per tender: Enclosed / Not Enclosed

8. Experience Certificate: Enclosed / Not Enclosed

(Along with necessary enclosures as per tender to be submitted)

9. Earnest Money Deposit: Rs. _____

10. Any other relevant information: _____

11. Validity of offer: _____

(At least 120 days from the date of tender Opening.)

12. Blank Price bid format: Enclosed / Not Enclosed

13. PF registration certificate (if exempted, submit exemption proof)

PF registration code: _____

Attach Copy of the PF registration

14. ESI registration certificate: (if exempted submit exemption proof)

10

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



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ESI registration code: _____

Attach Copy of ESI registration

(B) DESIRABLE:

1. Income Tax return last 3 yrs.: Enclosed / Not Enclosed

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

Signature with Name & Office Seal

Date:

NOTE: TECHNICAL BID AND PRICE BID SHOULD BE SUBMITTED IN SEPARATE SEALED ENVELOPS. IN CASE THE BIDS ARE FOUND IN ONE SINGAL ENVELOPE THEN THE "BIDS" ARE LIABLE TO BE REJECTED.

Blank Price Bid Sheet For Works Contract - JS 472

Miscellaneous Electrical Work for Factory and Township in BHEL-Jhansi (Works Contract)

Tender Enquiry No: WEX/TE/TW/24/10 Dated 21.03.2024

Sl. No.	Description of Work	% Allocation (Item-wise)	Unit of Measurement	Quantum of Work	Rate per Unit (in Rs.)	Amount (in Rs.)	
(A)	(B)	(C)	(D)	(E)	(F)	(G=E*F)	
1.1	Preparation of earth pits	6.69%	Nos	11	0.00	-	
1.2	Laying and connecting earthing strips	0.17%	Mtr	120	0.00	-	
2.1	Batten point wiring	1.30%	Nos	310	0.00	-	
2.2	Conduit point wiring	9.37%	Nos	470	0.00	-	
2.3	Fixing and connecting fan and tube fittings	1.55%	Nos	310	0.00	-	
2.4	Fixing and connecting Distribution Boards	1.67%	Nos	60	0.00	-	
2.5	Laying and connecting sub-main connection	2.07%	Mtr	2,000	0.00	-	
3.1	Laying of LT cable	21.01%	Mtr	3,400	0.00	-	
4.1	Erection of poles	1.65%	Nos	10	0.00	-	
4.2	Dismantling of poles	0.63%	Nos	5	0.00	-	
4.3	Fixing and connecting street light fittings	0.19%	Nos	30	0.00	-	
5	Trimming of trees under and around of overhead HT and LT lines and dispose of the waste material.	3.16%	K.M	16	0.00	-	
6	Trimming of trees under and around of street light poles and dispose of the waste material.	4.16%	Nos	360	0.00	-	
7	Preventive Maint. Of Desert Coolers	3.71%	Nos	207	0.00	-	
8	Preventive Maint. Of Ceiling Fans	2.26%	Nos	582	0.00	-	
9	Laying of HT Cable	40.40%	Mtr	2,000	0.00	-	
GROSS TOTAL (Excluding GST)		100.00%					To be quoted by bidder
Total price in words:(Excluding GST)						-	
Note:							
1. Bidder has to quote in above unlocked cell only. Item rate shall be calculated automatically. Calculated item rates upto second decimal point may be adjusted w.r.t. gross total amount and it shall be the itemwise final rate for execution of contract and all other purposes.							
2. Quoted gross total amount should be considered only if quoted in this excel sheet and print out of this should only be considered for evaluation. If Price is quoted in any other format other than the Excel Sheet enclosed to the NIT , the offer of the bidder will be rejected							
(Signature and Seal of the Contractor)							
don't fill rates							

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."*