



Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering and Services

Tender Enquiry No: WEX/TE/TW/22/19 Dated 04.03.2023



TENDER DOCUMENT

Tender Enquiry No. : WEX/TE/TW/22/19 Dated 04.03.2023

For

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

Contact Person:

Name: Mohd Afaqu
Designation: Dy. Manager/WEX
Email: mohdafaqu@bhel.in
PH: 0510-2412359

Tender Due Date: 11.04.2023, at 13:15 Hrs.

Tender Opening Date: 11.04.2023, at 14:00 Hrs.

Rev Date:	Short details of revision (In case of revision in tender document, otherwise NA)
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Department:
Works Engineering and Services
BHEL, PO: BHEL, JHANSI 284120 (UP)



Bharat Heavy Electricals Limited, Jhansi

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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) General Terms and Conditions
- g) Blank Price Bid format (Annexure F (a))
- h) Price Bid format (Annexure F (b))
- 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/22/19 Dated 04.03.2023”** should reach us in a sealed cover **on or before 14.03.2023 (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

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Date: 04.03.2023

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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 11.04.2023
5	Date of opening of Techno – Commercial Bid.	14:00 hrs. on 11.04.2023
6	Address for submitting the Tender	As per GTC point ii(c)
7	Earnest Money Deposit * (EMD)	₹7028.00
8	Cost of Tender	NIL
9	MSME Clause	As per GTC point (iii)
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

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.	Average Annual Financial turnover: 1.1 Average Annual financial turnover from during the last 3 years, ending 31st March, 2022 should be at least Rs. 1.05 Lakh of the estimated cost. Duly audited Financial Statement/ Balance sheet / Certificate from CA to be submitted as a supporting document. 1.2 If 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. 1.3 Bidder not having statutory obligation to get financial statement audited as required in clause 1.1 then he must submit following documents as evidence for turnover: a. A certificate from CA duly vetting turnover. OR b. Audited balance sheet & profit and loss amount.						
2.	Experience: 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:- 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. 1.41 Lakh. OR 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. 1.76 Lakh OR 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. 2.81 Lakh. Similar work: 1. Experience for laying of HT cables. OR 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. 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. <table><tr><th>Worked for</th><th>Documentary Proof to be attached.</th></tr><tr><td>A) In case of 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 colspan="2">B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.</td></tr></table>	Worked for	Documentary Proof to be attached.	A) In case of 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.	
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B) In case experience is submitted for work done in BHEL Jhansi, TDS/Tax invoice is not required.							
3.	Copy of PAN card to be submitted						



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4. Copy of GST registration to be submitted.

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 Kulhadi, Aari 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. _____

a) D.D. Number & Date: _____ Date _____

b) Drawn on (Bank): _____

11. Any other relevant information: _____

12. Tender Cost: Rs. _____

D.D. No. /Receipt No: _____



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13. Validity of offer: _____

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

14. Blank Price bid format: Enclosed / Not Enclosed

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

PF registration code: _____

Attach Copy of the PF registration

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

ESI registration code: _____

Attach Copy of ESI registration

(B) DESIRABLE:

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

2. Acceptance of Reverse Auction: Accepted / not accepted

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.