



# Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering And Services

Tender Enquiry No: WEX/TE/TW/21/06 Dated 06.10.2021



## TENDER DOCUMENT

For Tender Enquiry No. : WEX/TE/TW/21/06 Dt. 06.10.2021

For

**“(Miscellaneous Electrical Work in BHEL Jhansi Factory and Township (Work Contract)”**

Contact Person:

Name: Anshuman Sharma

Designation: Dy. Mgr. (MM)

Email: anshuman.sharma@bhel.in

PH: 0510-2412784

Tender Due Date: 29.10.2021, at 13:15 Hrs

Tender Opening Date : 29.10.2021, 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)**

**DETAILS OF TENDER DOCUMENT**



# Bharat Heavy Electricals Limited, Jhansi

Department: Works Engineering And Services

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

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

The duly filled in Technical and Price / Rate bids (Annexure E and F (a&b)) separately along with the instructions to the tenders, General Terms and Conditions with the signature of the tender on all the pages and complete in all respects super scribed as "**Quotation for Tender No. WEX/TE/TW/21/06 Dated 06.10.2021**" should reach us in a sealed cover on or before **29.10.2021 (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  
CISF 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/21/06

DATE: 06.10.2021

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03	Work Specifications/ Scope of Work	B	5-7
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05	Special Terms and Conditions	D	10
06	Technical Bid	E	11-12
07	General Terms and Conditions	JHS 2055B R00	13-19
08	Blank Price Bid Format	F (a)	20
09	Price Bid Format	F (b)	21
10	Document referred in GTC	I-XI	22-37

Annexure A

NOTICE FOR INVITING TENDER

S. No	Particulars	Details
1	Brief Description of work	<b>Miscellaneous Electrical Work in BHEL Jhansi Factory and Township (Work Contract)</b>
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	<b>Upto 13:15 hrs on 29.10.2021</b>
5	Date of opening of Techno – Commercial Bid.	<b>14:00 hrs on 29.10.2021</b>
6	Address for submitting the Tender	As per GTC point ii(c)
7	Earnest Money Deposit * (EMD)	Rs 4768.00
8	Cost of Tender	NIL
9	MSME Clause	As per GTC point (iii)
9	Validity of Offer	90 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; IFSC Code: - 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](http://www.bhel.com)" & [www.eprocure.gov.in](http://www.eprocure.gov.in)

## Annexure B

WORK SPECIFICATION

 (A) DETAILS OF WORK

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

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



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## **(2) Miscellaneous electrical wiring work.**

- 2.1** Batten point wiring: Wiring will be done as per instruction of area in-charge. All material will be Issued from WE&S /Township store.
- 2.2** Conduit point wiring: Wiring will be done as per instruction of area in-charge. All material will be Issued from WE&S /Township store.
- 2.3** Fixing and connecting of fan and tube fittings: Fixing of fan and tube fitting will be done as per Instruction of area in-charge. All material will be issued from WE&S /Township store .Assembly of fan also to be done by contractor.
- 2.4** Fixing and connecting of Distribution Board: Fixing of Distribution Board will be done as per Instruction of area in-charge. All material will be issued from WE&S /Township store .Assembly of fan also to be done by contractor.
- 2.5** Laying and connecting of sub – main: Laying of Sub –Main will be done in township. The work includes removing of old Sub-Main and laying of new Sub-Main. All material will be issued from WE&S /Township store.

## **(3) Cable laying work**

- 3.1** Laying of cable: Cable laying work will be done as per the instruction given by maintenance in-charge ,it includes transportation of cable drum from store to work place ,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 .

## **(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:
  - 4.3.1** Laying of connecting wire from mask of fitting to terminal box of street light fittings.
  - 4.3.2** Termination /connection of cable in terminal box.
  - 4.3.3** Fixing connecting of street light fittings



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**(5.1) Trimming of trees under and around of overhead HT and LT lines and dispose of the waste material:** Scope includes to trim the trees under and around (Apx.2 to 3 Mtrs) 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 material occur after tree trimming shall be disposed off up to the place as directed by section in-charge.

**(5.2) Trimming of trees under and around of street light poles and dispose of the waste material:** Scope includes to trim the trees under and around of under ground(Apx.2 to 3 Mtrs)street light poles and make all street lights clear in all respect. The total work shall be done in 04 phases(Approximate 90 nos. street light poles per phase) during total contract period, as directed by section in-charge.

The waste material occur after tree trimming shall be disposed off up to the place as directed by section in-charge.

**(5.3) 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.**

**(5.4) After completing the work on line contractor has to remove all worker from concern electrical line than he has to request to township electrical maintenance centre to re-energized the line.**

**(5.5) Contractor or his authorized representative shall be present at site during his workers are working on Electrical lines.**

**(6.1) Preventive maintenance of Desert Coolers:** - Dismantling, cleaning, change of wood wool, Oiling, greasing, re-assembling and making running condition in all respect.

**(6.2) Preventive maintenance of Ceiling fans:** - Dismantling, cleaning, change of bearing (if required), oiling , greasing , re-assembling and making running condition in all respect.

**Annexure C**

**QUALIFYING REQUIREMENTS**

SL	Description of Qualifying requirement						
1.	<p><b>Average Annual Financial turnover:</b></p> <p>1.1) Average Annual financial turnover from during the last 3 years, ending 31st March, 2021 should be at least Rs. 0.71 Lakh of the estimated cost. Duly audited Financial Statement/ Balance sheet / Certificate from CA to be submitted as a supporting document.</p> <p>1.2) If all balance sheets are not available for all three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheets by three.</p> <p>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:</p> <p>a. A certificate from CA duly vetting turnover. OR b. Audited balance sheet &amp; profit and loss amount.</p>						
2.	<p><b>Experience:</b> Experience of having successfully completed similar work (<b>means completed work/service contract for the work of maintenance of electrical facilities/miscellaneous electrical works</b>) during last 7 years from the previous month of floating of tender should be either of the following:-</p> <p>a.Three similar completed works contracts during last 7 years from the previous month of floating of tender each costing not less than the amount equal to Rs. 0.95 Lakh. OR</p> <p>b. Two similar completed works contracts during last 7 years ending from the previous month of floating of tender each costing not less than the amount equal to Rs. 1.19 Lakh OR</p> <p>c.One similar completed work contracts during last 7 years ending from the previous month of floating of tender each Costing not less than the amount equal to Rs. 1.90 Lakh.</p> <p>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) In case of Experience in Government Organizations / PSU/Semi Government.</td><td>i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate</td></tr> <tr> <td>(b) In case of Experience in Private Sector.</td><td>i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate iii) TDS Certificate ( Form 16 A )</td></tr> </tbody> </table>	Worked for	Documentary Proof to be attached.	(a) In case of Experience in Government Organizations / PSU/Semi Government.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate	(b) In case of Experience in Private Sector.	i) Copy of Work Order/Purchase Order. ii) Copy of Work Completion Certificate iii) TDS Certificate ( Form 16 A )
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## ANNEXURE -D

### **SPECIAL TERMS & CONDITIONS**

#### **SCOPE OF CONTRACT WORK FACILITY**

- (a) All the tools and tackles, 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.
- (b) The contractor for the work mentioned above shall maintain sufficient staff. 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 in charge maintenance.
- (c) A responsible and competent supervisor shall be posted to co-ordinate and supervise the work.
- (d) Contractor is required to maintain sufficient experienced (technical and helper) staff to carry out the subject work during total contract period.
- (e) Before quoting bidder may visit the site to see equipment installation and quantum of work if required.
- (f) Facilities and Free Issues :
  - (a) 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.
  - (b) All required spares and consumable like, electrical spares etc. shall be given by BHEL free of cost.
- (g) 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.