

**Bharat Heavy Electricals Limited**  
**High Pressure Boiler Plant - Tiruchirappalli – 620 014.**  
**Civil Engineering Department (Township)**

**NOTICE INVITING E-TENDER**

<b>Part – I TECHNO COMMERCIAL BID (QB)</b>		
1.	Tender Schedule No.	: <b>CT: TS: 001 / 2021 - 22</b>
2.	Tender Type	: Open Tender – Two Part (e - Tender)
3.	Name of Work	: Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township, Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc
4.	Location of Work	: BHEL – Trichy Complex
5.	Contract Value	: <b>Rs. 51,65,721</b>
6.	Evaluation Value	: <b>Rs. 51,65,721</b>
7.	Period of Contract	: <b>15 (Fifteen) Months</b> from the date of award of contract
8.	EMD	: <b>Rs. 1,03,314 (Rupees One Lakh Three Thousand Three Hundred and Fourteen only)</b> EMD will not be waived off for MSE / NSIC / SSI vendors on submission of valid Documents. (EMD shall be paid preferably in the NEFT form (Ref. Annex-A1 and the SBI-e-collect receipt shall be uploaded), EMD taken other than NEFT mode, should be forwarded in original, physically / couriered to Civil Township Office, on or before tender submission deadline. The scanned copy of the same should be uploaded in eProcurement site. For NEFT mode (failing to adhere to the above, will make the bid liable for rejection)
9.	Tender document Details	: This Tender document: Pages <b>1 to 32</b> Conditions of Electrical Contract: <b>Pages 1 to 96</b>
9a.	Civil Special & Standard conditions of contract	: Attached Separately
10.	Mode of submission of offer	: <b>No Physical submission of tender, Tender only to be submitted electronically by logging to e-procurement portal <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a></b>
11.	Contact details of queries related to tender	: Smt. J P Akila, Dy. Manager, Civil / Ts. / Plng. 0431 257 1937; e-mail: <a href="mailto:akila@bhel.in">akila@bhel.in</a>
12.	Contact details for queries related to scope of work	: Shri. <b>K.Sekar</b> , Sr. Manager / TS / Electrical Maint. 0431 257 7184; e-mail: <a href="mailto:ksekar@bhel.in">ksekar@bhel.in</a>
13.	Last Date for Receipt of Tender	: <b>30.09.2021 / 10:00 Hrs.</b>
14.	Date of Techno Commercial Bid opening	: <b>30.09.2021 / 14:00 Hrs.</b>
15.	MSE benefits if applicable	: <b>Not Applicable</b>

We, the tender, have gone through all the pages of tender document and accept the terms and conditions.

CONTRACTOR

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ACCEPTING OFFICER

**Contractor Profile details -**

1.	Name of the Enterprise / Company / Firm.	To be filled in e-procurement portal
1.1.	Status of the Enterprise / Company / Firm.	To be filled in e-procurement portal
1.2.	Regd. Address of Enterprise / Company / Firm.	To be filled in e-procurement portal
1.3	If offer is addressed from different address, as above, the same may specified,	To be filled in e-procurement portal
2	Details of documentary evidence submitted in support of Status of the Enterprise / Company / Firm.	Details to be filled and documentary evidence to be uploaded in e-procurement portal
<b>Following documents to be uploaded in e-procurement portal based on status of Agency / Company / Vendor</b>		
2.1	Sole Proprietorship	PAN / GST Registration
2.2	Partnership	Registered Partnership Deed / Pan copy of all the partners to be furnished
2.3	Private Limited Company / Public Limited Company / Public Sector / Govt. org	Certificate of Registration / Memorandum of Association & Articles of Association
2.4	Are you/your partner involved whether as a proprietor/partner in other companies. In case of bid given by company, any other sister concerns being run. (Details of Name, Address, etc., of such companies shall be furnished.) if applicable	To be filled in e-procurement portal
3.	Landline/Mobile number(s)	To be filled in e-procurement portal
4.	E-mail Address	To be filled in e-procurement portal
5.	Name, Designation and Contact details of person signing the Tender (In case of authorized signatory, the copy of Power of Attorney (POA) should be uploaded as per Annexure-A3.)	To be filled in e-procurement portal
6.	<b>BHEL- Trichy Vendor Code:</b> (If vendor code is not available, kindly Submit the original NEFT/RTGS Format duly filled and signed in the last page (No. 22) of this document along with cancelled cheque leaf)	To be filled in e-procurement portal
7.	<b>EPF Registration (No. &amp; Date)</b> (Copy of EPF Registration to be uploaded)	Details to be filled and documentary evidence to be uploaded in e-procurement portal
8.	<b>ESI Registration (No. &amp; Date)</b> (Copy of ESI Registration to be uploaded)	Details to be filled and documentary evidence to be uploaded in e-procurement portal
9.	<b>GST registration details</b> (If not applicable vendor shall give declaration in this regard)	Details to be filled and documentary evidence to be uploaded in e-procurement portal

If any vendors does not have ESI, EPF No. the vendor should produce a declaration in their letter head (Page No. 6 below)

**NORMS FOR QUALIFICATION FOR THIS TENDER**  
**CHECK LIST - TO BE FILLED BY CONTRACTOR COMPULSORILY**

Sl. No	Qualifying Criteria	Details			
A	<p><b>Rs. 1,03,314 (Rupees One Lakh Three Thousand Three Hundred and Fourteen only)</b></p> <p><b>(Offer without EMD will be Rejected)</b> (EMD is not waived off for SME / NSIC / SSI / MSME vendors for this tender) <b>(NEFT is the preferred mode of payment for EMD)</b> EMD may be submitted in following ways:</p> <p>i) Electronic fund transfer credited in BHEL account (Before Tender Opening). (Refer Annexure–A1 for making EMD payment through SBI-E-collect)</p> <p>ii) In the form of DD / FDR (Along with offer) drawn in favour of BHEL - Trichy, payable at Trichy issued by Scheduled Bank / Nationalized bank / Consortium banks.</p> <p><b>EMD in any other form (One Time EMD, BG for full value of EMD etc.) is not acceptable.</b></p>	<p>NEFT / RTGS PAYMENT DETAILS: OR DD / FDR DETAILS:</p> <p>(Details to be filled and documentary evidence to be uploaded in e-procurement portal)</p>			
B	<b>Technical Competence</b>				
B1	<p>Experience of having successfully completed similar works during last 7 (Seven) years ending last day of month previous to the one in which applications are invited should be either of the following</p> <p>a) Three similar completed works costing not less than the amount equal to <b>(Rs. 20.66 Lakhs)</b> 40% of the evaluation cost (or)</p> <p>b) Two similar completed works costing not less than the amount equal to <b>(Rs.25.83 Lakhs)</b> 50% of the evaluation cost.(or)</p> <p>c) One similar completed work costing not less than the amount equal to <b>(Rs. 41.32 Lakhs)</b> 80% of the evaluation cost.</p> <p><b>Similar Work means Maintenance of Electrical Installations / Street Light Maintenance/ Rewinding of Motors / Electrification of Buildings/ Any genuine Electrical work</b></p>	<p>Details to be filled and documentary evidence to be uploaded in e-procurement portal</p>			
B2	Valid Electrical EA / ESB / EB License in the name of contractor from competent authority.	Details to be filled and documentary evidence to be uploaded in e-procurement portal.			
C	<b>Financial Soundness:</b> Vendor to filled and documentary evidence to be uploaded in e-procurement portal of Income tax return acknowledgement (ITR) for the last three Financial years i.e. <b>(2017-18, 2018-19, 2019-20)</b>				
C1	<p><b>Income Tax Return acknowledgment</b> (Copy of ITR to be uploaded)</p>	<p><b>Fin. Year (last three financial years of FY)</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">2017-18</td></tr> <tr><td style="text-align: center;">2018-19</td></tr> <tr><td style="text-align: center;">2019-20</td></tr> </table> <p>Details to be filled and documentary evidence to be uploaded in e-procurement portal</p>	2017-18	2018-19	2019-20
2017-18					
2018-19					
2019-20					
D	<b>Income Tax Registration (PAN)</b> (Copy of PAN to be uploaded)				

Sl. No	Qualifying Criteria	Details
E	<b>Goods &amp; Service Tax Registration (GST)</b> (Copy of GST Registration to be uploaded) (Declaration to be uploaded if Vendor is Exempted from paying GST. For such exempted vendor, Vendor cannot claim GST from BHEL, during the execution of the contract (if awarded) even if their status under GST changes to regular tax payer)	Details to be filled and documentary evidence to be uploaded in e-procurement portal
F	<b>Acceptance to Scope of work, Special and General Terms and Conditions of Contract.</b> (Duly signed and sealed copy of tender document to be uploaded)	
G	<b>"No deviation &amp; Declaration certificate"</b> on bidder's Letter head as per enclosed <b>Annexure-A2</b> of tender document (Duly signed and sealed copy to be uploaded.)	

**Note:**

1. Bidders are requested to submit only the documents required to meet the pre-qualification criteria as per tender. Documents not relevant to tender pre-qualification criteria / tender shall not be enclosed along with the offer.

2. Digitally signed / Self-attested copy of all the documents should be uploaded along with Tender, if at any stage, the document(s) submitted by Contractor is / are found incorrect / False / Fake, then necessary action will be taken by BHEL against Contractor viz., legal, Contractual, BHEL Policy / Procedural Actions in whatsoever manner as deemed fit.

**SPLITTING OF WORK : NO**

**REVERSE AUCTION : NO**

**CHECK LIST FOR DOCUMENTS TO BE UPLOADED IN e-PROCUREMENT PORTAL**

<b>Description</b>	<b>Remarks</b>
EMD	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
Work Experience Certificates / Work executed details	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
Income tax return acknowledgement (ITR), statement	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
PAN	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
GST	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
Valid Electrical EA / ESB / EB License in the name of contractor from competent authority.	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
Signed and sealed copy of this Tender Document (all pages) no price should be written in this tender document, the price should be quoted only in e-Procurement portal)	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
NO DEVIATION AND DECLARATION CERTIFICATE ON BIDDERS LETTER HEAD	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
EPF	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
ESI	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
DOCUMENTARY PROOF FOR COMPANY / FIRM / PROPRIETORSHIP	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
NEFT BANK FORMAT (If applicable)	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded
POWER OF ATTORNEY FOR SIGNING TENDER (If applicable)	<input type="checkbox"/> uploaded / <input type="checkbox"/> Not uploaded

**FORMAT FOR EPF & ESI DECLARATION**

**(To be given in Vendors Letter head** if not possessing EPF / ESI / Both (EPF & ESI) at the time of submission of the tender)

To:  
Manager  
Civil Township Office, Kailasapuram, Trichy

Sir,

Sub: Declaration of EPF & ESI Submission – Reg.

At this time of submission of this tender -----(Tender Schedule No) I/We, -----  
(Company Name) am / are not possessing the EPF / ESI / Both (EPF & ESI). I hereby declare that I will submit the EPF / ESI / Both (EPF&ESI) registration copy before placing of Work order / Commencement of Work. I / we am / are also aware that payment for work done will not be processed by BHEL without submission of EPF&ESI data paid to my / our employees engaged to the corresponding BHEL contract.

Thanking you,

Yours Truly,  
For and On behalf of,

Company name & seal

Date:

Place:

## Local Supplier Self-Declaration

<b>Tender Schedule No.</b>	<b>CT: TS: 001 / 2021 - 22</b>
<b>Tender hosted Date</b>	<b>16.09.2021</b>

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018 & 04.06.2020. I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods/services/works against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

Door No.	
Street / Address 1	
Street / Address 2	
District	
State	
Country	
PIN Code	

We also understand that the false declarations will be considered as breach of Integrity and liable for action.

For Company Name:

Seal:

Signature:

Date:

Place:

(Please fill all the yellow color field)

**Declaration**

To:

The Manager  
Civil Township Office,  
Kailasapuram, Trichy

Sir,

At this time of submission of this tender ----- (Tender Schedule No) I / We, -----  
(Company Name) declares that we will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

In case, I / We ----- (Company Name), am / are found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies / guidelines.

Thanking you,

Yours Truly,  
For and On behalf of,

Company name & seal

Date:

Place:



## E- Invoice Declaration

To:

**The Manager  
Civil Township Office,  
Kailasapuram, Trichy**

Sub: Undertaking regarding Issuance of E-Invoice under GST Act

Dear Sir,

1. We hereby confirm that our Aggregate Turnover is less than 100 Crore & we are not mandated to issue E-Invoice (as per Rule No: 48 (4) of CGST Rules) w.e.f. 01/01/2021 as notified in Notification No: 61/2020-CT dated 30/07/2020.
2. We hereby confirm that our Aggregate Turnover is more than 500 Crore & we are mandated to issue E-Invoice (as per Rule No: 48 (4) of CGST Rules) w.e.f. 01/10/2020 as notified in Notification No: 61/2020-CT dated 30/07/2020. Hence, all our tax invoices issued w.e.f. 01.10.2020 will contain/ contains the QR Code, IRN, Signature obtained from *Invoice Registration Portal (IRP)* & will comply with requirements stipulated in Rule No: 45 & 48 of CGST Rules, 2017.
3. We hereby confirm that our Aggregate Turnover is more than 100 Crore but less than 500 Crore & we are mandated to issue E-Invoice (as per Rule No: 48 (4) of CGST Rules) w.e.f. 01/01/2021 as notified in Notification No: 88/2020-CT dated 10/11/2020. Hence, all our tax invoices issued w.e.f. 01.01.2021 will contain the QR Code, IRN, Signature obtained from *Invoice Registration Portal (IRP)* & will comply with requirements stipulated in Rule No: 45 & 48 of CGST Rules, 2017.

Thanking you,

Yours Truly,  
For and On behalf of,

Company name & seal

Date:

Place:

*(Strike out whichever is not applicable)*

*(This undertaking should be issued in company letterhead & to be signed by Authorised Signatory.)*

CONTRACTOR

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ACCEPTING OFFICER

## **EMD through E-collect (Bank payment)**

### **ANNEXURE – A1**

This explains how to make Payments to BHEL - Tiruchirappalli and through SBI-E-collect. Vendors (EMD and SD Payments payable by others) can utilize this facility. payments can be made using Internet Banking, Debit Cards / Credit Cards etc. SBI Charges a minimum amount (Service Charges) for every transaction. This may vary according to the MODE selected.

#### **STEP BY STEP PROCEDURE:**

Login to <http://www.onlinesbi.com>

1. Select State Bank Collect available on the top (pre login page)
2. Accept the terms and conditions and click "PROCEED"
3. Select State "TAMILNADU" and Institution type "INDUSTRY".
4. Select "BHEL TRICHY" under "INDUSRY"
5. In the next page, Select APPROPRIATE category, fill details correctly & click "SUBMIT".
6. If all details entered are correctly populated, click "CONFIRM" to proceed.
7. Make payment as per your convenience. (Options available are payment of fees through SBI Net Banking, State Bank ATM cum Debit Cards / Other Bank Debit / Credit Cards and through SBI Branches).
8. Save & Keep the copy of receipt for future reference.

#### **HOW TO TAKE RECEIPT FOR A PAYMENT MADE, EVEN ON LATER DATE:**

(PLEASE CHECK THE STATUS BEFORE MAKING PAYMENT SECOND TIME)

1. Login to [www.onlinesbi.com](http://www.onlinesbi.com)
2. Select State Bank Collect available on the top (pre login page)
3. Accept the terms and conditions and click "PROCEED"
4. Select "PAYMENT HISTORY" option available on the left side of screen.
5. Using two options as mentioned below, you can get the receipt:
  - a) Type the same Date of Birth, Mobile Number which you have entered at the time of making payment through SB collect. Select the date range and submit.
  - b) If you know the payment reference number, then enter the Reference number (DU...) along with anyone information (Date of Birth / Mobile Number which you have entered at the time of making payment). Select the date range and submit.
6. In the next page, take print out of receipt.

**No deviation and Declaration to be given by vendor in vendor's letter head**

Name of work: .....

Tender Schedule No: .....

We, the vendor, do hereby declare that we do not have any deviations to the tender terms and conditions as per

1. Technical Bid-Qualifying Criteria-Price bid
2. Special and General terms & Conditions of Contract

We have gone through all the tender terms and conditions; we have noted down the job content & site conditions. We have quoted our offer for all items by taking care of unit of measurement given in the Bill of quantities against individual items. In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void. We assure that no tampering was done to any part of tender document by us and if otherwise will lead to rejection of our bid. We confirm to have submitted our offer strictly in accordance with tender instructions.

We also hereby confirm the following points with ref to the above works, if ordered on us:

1. We do hereby confirm that we will pay (i) at least the minimum wages (minimum basic wages + minimum DA) to all the persons engaged (Un Skilled / Semi-Skilled / Skilled /Supervisor category) by us in the above contract as per the Tamilnadu Government Minimum Wages Act - 1948 & also as per any revisions made by the State Govt. from time to time and (ii) Additional Wages as per HR / BHEL circular ref: BHE: HR: W: EW dt. 08.04.2014 and (iii) Bonus as per the Bonus Act-1965 along with Wage.
2. ESI, PF & Bonus (both Employer and Employee contributions) amounts are to be remitted for total wages to be paid as mentioned in (i) & (ii) of point 1 and challans to be produced along with invoices for all the respective persons engaged in the above contract.
3. The quoted amount in this tender will remain firm throughout the entire Contract period and no extra payment against service charges will be claimed from BHEL under any circumstances from our end.
4. We, the contractor, will disburse the salary/wages to all the persons engaged in the contract ONLY through nationalized banking channel in their respective accounts & the relevant Bank statement / proof for Bank payment will also be produced along with PF and ESI challans to the Welfare Section every month for processing our invoices for payment.
5. We will pay the previous month salary in full to our employees before 7th of every month and will not adjust any advance / loan / repayment due by the employee to us.
6. All the payments to the persons engaged in the contract will be paid ONLY through nationalized bank. No other mode of payment (hand payment / account transfer as advance payment or any other) is acceptable as salary.
7. In case we fail to pay the minimum wages to all the persons engaged in the contract which includes Minimum wages and Additional wages with ESI and PF (both Employee and Employer contributions) for every month including Bonus, BHEL has the right to recover from the outstanding payments to us either under this Contract or in any other Contract(s) or from Security Deposit or from both. In case this amount is insufficient for such recoveries, we shall make good the balance amount by actual payment. In addition, BHEL, Trichy may recover the said amounts through other running contracts from BHEL's sister units.
8. We also confirm to all the Terms & Conditions as per your above referred Enquiry & as per our offer submitted against the same.
9. We also declare that, we have not been suspended or black listed or issued with Show Cause Notice by BHEL Trichy-14 or any other BHEL Unit or any PSU / Government organization.

The tender must be signed digitally / physically by Propreitor / Managing Partner/ Director of the Firm. If any other person is authorized to sign the tender, this copy of Power of Attorney must accompany the tender.

**POWER OF ATTORNEY**

**(To be typed on company's letter head)**

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I / We do hereby make, nominate, constitute and appoint Mr ..... , whose signature given below herewith to be true and lawful Attorney of M/s ..... hereinafter called 'Company', for submitting Tender and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of our Company with M/s Bharat Heavy Electricals Ltd, HPBP, TRICHY-620 014, in connection with (Name of work)

.....  
vide Tender Schedule No: \_\_\_\_\_, dated \_\_\_\_\_. And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

Director / CMD / Partner / Proprietor

Signature of Mr.....(Attorney)

Attested by: Director / CMD / Partner / Proprietor

**BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPPALLI – 620 014  
CIVIL ENGINEERING DEPARTMENT**

BHE: M: C: P:

Dt. **16 09 2021**

To

**The Tenderer,**

**Dear Sirs,**

Sub: **Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township, Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc**

Ref: Tender Schedule No. **CT: TS: 001 / 2021-22**

\*\*\*\*\*

Please find enclosed / attached non-transferable tender document containing

Techno-commercial bid consisting of Preamble, Specifications, General Conditions of Contract, Norms for Qualification and Qualification Pro form, Bill of Quantities to offer your most competitive rates for all the items.

**TENDERS must be submitted electronically by logging to e-procurement portal <https://eprocurebhel.co.in>**  
**Physical submission of tender shall not be accepted.**

**EMD:**

EMD may be submitted in the form of

- (i) Electronic Fund Transfer credited in BHEL account (before Tender opening) or
- (ii) Demand Draft (DD) in favour of BHEL Trichy or
- (iii) Fixed Deposit Receipt (FDR) issued by schedule banks / Public Financial Institutions as defined in the Companies Act.

**(FDR should be in the name of the Contractor, a/c BHEL and affix one rupee (Rs.1/-) revenue stamp & sign on back side of FDR, In case, the same discharged FDR submitting second time as EMD "A Lien-Confirmation letter" issued from Bank must be submitted along with FDR). For vendors who are unsuccessful in the tender, who submitted FDR, it will be returned in person only.**

***In case of offline payments, the hardcopies of EMD documents i.e. DD/FDR submitted to Manager / Civil / Township office, BHEL, Trichy before tender opening and the soft-copies to be uploaded at the time of online bid submission, otherwise the tender will be summarily rejected.***

Bidder should arrange for the EMD as specified in the tender. The original EMD should be posted/couriered/given in person in a sealed cover **super scribing "Name of Work" "Tender Schedule Number & date"** to the Tender Inviting Authority, within the bid submission date and time for the tender.

**NOTE: - EMD waiver not applicable for MSE / NSIC / SSI vendors for this tender (Hence, vendors should furnish EMD of specified amount without which their bids will not be considered).**

CONTRACTOR

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ACCEPTING OFFICER

The completed qualification bid, Price Bid, Special Conditions of Contract and Standard conditions of Contract along with required documents and EMD of **Rs. 1,03,314 (Rupees One Lakh Three Thousand Three Hundred and Fourteen only)** shall be uploaded in e-procurement portal on or before **30.09.2021 @ 10:00 Hrs.** The qualification bid will be opened on **30.09.2021 @14:00 hrs.** through e-procurement portal. In case of opening day falls on holiday or happened to be declared as a holiday, the receipt and opening of the tender shall automatically fall on the same timing of the next working day. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the qualification bid.

Thanking you,

Encl:

E Format "Acceptance for Electronic fund transfer / RTGS Transfer" should be Compulsorily filled by the new vendors and submitted along with an original cancelled cheque leaf is to be attached.

Yours faithfully  
For and on behalf of  
BHARAT HEAVY ELECTRICALS LIMITED

**Dy Manager**  
**Civil Township Office**



**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPPALLI – 620 014**  
**CIVIL ENGINEERING DEPARTMENT**  
**TENDER CONDITION**

1. The scope of work involves Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township, Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc
2. The contractor is required to carry out contract activities as directed by the department officials. It is required to engage certain minimum strength of staff for effective supervision of works.
3. In addition, Quantity surveyors have to be engaged to prepare measurements and submit the bills.
4. Minimum wage



**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPPALLI – 14**  
**HUMAN RESOURCE MANAGEMENT**

Ref No.TP:HR: Contract Cell:MW

Date: 19/04/2021

**CIRCULAR**

To

**ALL CONTRACT AWARDING / EXECUTING OFFICIALS**

**Sub:** Minimum Wages Act, 1948 – Revision of Dearness Allowance for employment in “General Engineering and Fabrication Industry – Reg.

**Ref:** Notification No.Z3/6667/2021 dated 16/03/2021 by Office of the Commissioner of Labour, Chennai – 600 006.

Consequent upon the increase in Dearness Allowance payable under the Minimum Wages Act from Rs.5209/- to **Rs.5717/-** per month to those employed in “General Engineering and Fabrication Industry”, the Statutory Minimum Wages applicable to the contract workmen would be as follows with effect from 01/04/2021:

S.No.	Category	Minimum Basic Wages per day (in Rs.)	Minimum DA per day (in Rs.)	Total Minimum Wages per day (in Rs.)
1	Unskilled Worker	258.50	219.88	478.38
2	Semi-Skilled Worker	271.00	219.88	490.88
3	Skilled Worker	278.50	219.88	498.38
4	Supervisor	295.00	219.88	514.88

All Contract Awarding / Executing Executives are requested to ensure that the contractors make payment of wages to their workers not less than the above Statutory Minimum Wages along with BHEL Additional Wages as stipulated in the respective work order.

(M. Soosai Michael Raj)  
SDGM (HR-Est, Law & Contract Cell)

1. **Works done at the risk and cost of the contractor:**

In case the works are executed at the risk and cost of the contractor by engaging alternate agency, 30 % overheads shall be recovered from the defaulted contractor, if the works are carried out at the same awarded rate.

if any additional expenditure incurred over contract rate the same shall be recovered from the contractor. In addition, 30 % overheads against actual cost incurred (i.e. Contract rate + Additional cost) will also be recovered from the contractor.

2. Any tools/spares/machinery (other than free issue materials) issued by BHEL on written request by contractor will be on chargeable basis and based on availability. The charges shall be decided by BHEL and are final.

**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPPALLI - 620 014**  
**CIVIL ENGINEERING DEPARTMENT**  
**NOTICE INVITING TENDER**

1.	Name of Work	:	Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township, Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc
2.	Estimated Cost	:	Rs. 51,65,721 + Applicable GST
3.	Earnest Money Deposit	:	Rs. 1,03,314 (Rupees One Lakh Three Thousand Three Hundred and Fourteen only)
4.	Completion time	:	15 (Fifteen) months (From the date of commencement of the work which will be reckoned from the date of handing over to the Contractor)
5.	Last Date of Receipt of Tenders	:	30.09.2021 @ 10:00 hrs.
6.	Date of Tender opening	:	30.09.2021 @ 14:00 hrs.
7.	Maintenance Period	:	6 (Six) Months (from the date of actual completion of the entire work and handing over to Bharat Heavy Electricals Limited)

**ISSUING OFFICER**

CONTRACTOR

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ACCEPTING OFFICER



C.A.....Date .....  
( To be used in conjunction with BHE Ltd., General Conditions of Contract )

### AUTHORITY TO TENDER

Office of the  
**The Manager**  
**Civil Township Office,**  
**Kailasapuram, Trichy**

Tender Schedule No. **CT: TS: 001 / 21-22**

Percentage rate / tender for works required in **Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township,Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc**

Messrs. .... 'are / is hereby authorized to tender for the above work.

BHARAT HEAVY ELECTRICALS LIMITED DO NOT BIND THEMSELVES TO ACCEPT THE LOWEST OR ANY TENDER

**Issuing Officer with  
Designation**

Contract Agreement No.....

**TENDER**

To

**MANAGER**

**Civil Township Office**

Bharat Heavy Electricals Limited

Unit : Tiruverumbur

TIRUCHIRAPPALLI - 620 014.

I / We hereby offer to carry out the tendered work.

I / We hereby carefully perused the following documents connected with the above noted work and agree to abide the same.

1. Specifications (General & Particular )
- ~~2. Drawings IF ANY~~
3. Schedule 'A', 'B', 'C', 'D' & 'E' and Bill of Quantities attached hereto.
- ~~4. Schedule or rates~~
5. BHE Ltd., General & Special Conditions of Contract, Tender Notice and Instructions to Tenders attached hereto.

I / We forward herewith the sum of Rs.....as Earnest Money, which shall be refunded should this tender be rejected. I / We further agree to deposit such sum which along with the sum of Rs.....mentioned above shall make up 50% of the fully Security Deposit for this work as provided for under conditions of the BHARAT HEAVY ELECTRICALS LIMITED General Conditions of Contract.

I / We further agree to execute all the work referred to in the said documents upon the terms & condition contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities annexure thereto an to carry out such deviations as may be ordered, vide conditions 6 of the BHEL Ltd., General Conditions of Contract upto a maximum of 20% of the tendered of Rs.....

I / WE further agree to refer all disputes, as required by condition 62 of the General conditions of Contract to the sole arbitration of an Officer, to be appointed by the General Manager, B.H.E. Ltd., in his sold discretion whose decision shall be final and binding.

**WITNESS**

Signature of the Contractor

Date :

1. ....

2. ....

CONTRACTOR

ACCEPTING OFFICER

**GENERAL SUMMARY**

1.	(a) Net Cost of works or building etc., from Schedule 'A' and Bill of quantities annexed thereto	Rs.
2.	Provisional sum	Rs.
	Total	..... Rs. .....

Rupees.....  
.....Shri.....  
..... in the capacity of ..... has been duly  
authorized by me / use to sign the tender for and on behalf of  
.....  
..... ( in block letters )

Date : SIGNATURE OF CONTRACTOR

Witness : Postal Address :

1..... Telephone No.  
Address

2. ....  
Address

..... alternations have been made in the Tender Document and as evidence that these alternations were made before the execution of contract agreement, they have been initialed by the Contractor and the

.....  
.....  
..... is hereby authorized to sign and initial on my behalf the documents forming part of this contract (Number of alternation in figures and words to be given me )

The above tender is accepted by me on behalf of the Bharat Heavy Electricals Limited, Unit Thriuverumbur, Tiruchirappalli – 620 014. for a sum of Rs. ....

.....  
.....  
..... at the item rates as indicated in the Bill of Quantities attached to Schedule 'A'.

Signature ..... Date.....

Designation .....

**E FORMAT**

THE PURCHASE/CONTRACT EXECUTING AGENCY/BHEL

CONTRACTOR

ACCEPTING OFFICER

**ACCEPTANCE FOR ELECTRONIC FUND TRANSFER / RTGS TRANSFER**

01	Name & Address of the Supplier / Sub-contractor												
02	VENDOR CODE assigned by BHEL												
	Details of Bank Account:												
03	NAME & ADDRESS OF THE BANK												
04	NAME OF THE BRANCH												
05	BRANCH CODE												
06	MICR CODE	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>											
07	ACCOUNT NUMBER												
08	TYPE OF ACCOUNT	CURRENT A/C / OD / CASH CREDIT											
09	BENEFICIERY'S NAME												
10	IFSC CODE OF THE BRANCH	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>											
11	EMAIL ID												
12	TELEPHONE/MOBILE NO.												

**CERTIFICATE**

I / We hereby agree to receive the payments due from BHARAT HEAVY ELECTRICALS LIMITED by the National Electronic Funds Transfer and / or RTGS Transfer mode by credit to my / our above mentioned Bank Account. I / We also agree that payments made to the above mentioned Account is a valid discharge of the liability of Bharat Heavy Electricals Limited. I / We also agree to bear the applicable Bank Charges for the above mode of transfer. **A copy of the cheque leaf / cancelled cheque leaf of the above account is sent herewith.**

AUTHORISED SIGNATORY WITH NAME SEAL

**Banker's Certification**

We confirm that we are enabled for receiving RTGS and NEFT credits and we further confirm that the account number of \_\_\_\_\_ (name of account holder), the signature of the authorized signatory and the MICR and IFSC codes of our Branch mentioned above are correct.

**PLACE:**

**(Manager / Officer's)**

**DATE :**

**Signature Under Bank stamp and Name Seal  
With Membership No.**

**(Telephone / Mobile No.                    )**

Forwarded to Accounts Dept.

We confirm the above details are verified with the records available with us.  
Signature of the BHEL Executive with Name Seal (Operating the Contract/Services)

SIGNATURE OF THE APPLICANT

**PART-II \_ PRICE BID (PB)  
(BILL OF QUANTITIES)**

**(No percentage shall be written here. Quote percentage based on this BOQ should be given online in xl-format, only in eProcurement portal)**

**Name of work :Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township,Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc”**

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
I	<b>Maintenance of Electrical Installation in Qtrs. and Public Buildings and in BHEL, Township, Trichy-14, Maintenance of Street Lights in Kailasapuram Township, Nehru Nagar, Reservoir, Vengur and Puthapuram etc and Rewinding of Ceiling Fans and Motors in Township, Reservoir, Vengur, Puthapuram and Keelamullaikudi, etc</b>				
10	<p>Assisting the departmental electricians or persons identified for attending to the day to day electrical complaints in all quarters, public buildings, hospital etc. in Township including all preventive and maintenance works that comprise of following activities. Attending to the fuse off call works, coordination with EB for rectification and completion by extending assistance whenever required. Renewal of rewirable / HRC fuses in cut-outs, main switches and distribution boards. Checking all the connecting terminals between meter to distribution board and to give direct connections in case of any burnt out items or replace the same as per requirement.</p> <p><b>NOTE:</b> 1. The contractor is required to assist and attend all the complaints. Contractor should have EB license. The contractor has to estimate the manpower requirement which on an average works out to nine electricians and four helpers per day of all shifts and offer accordingly. Any unworkable rate is liable for rejection. The contractor has to engage sufficient number of qualified electricians and helpers to assist and liquidate all the complaints then and there. Electricians should have valid 'B' certificate issued by Govt. and should be produced for verification.</p> <p>2. All the materials, spares, consumables etc. will be supplied by BHEL at stores at free of cost.</p> <p>3. All the tools required for the work will have to be arranged by the contractor.</p>	15	Month	224283.66	<b>33,64,254.900</b>

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	<p>4. The contractor has to do the work round the clock i.e., 24 Hours a day shift timings are 08.00 to 16.30, 06.00 to 14.00, 14.00 to 22.00 and 22.00 to 06.00 Hrs.</p> <p>5. The contractor is required to carry out work in the shifts as required by the Engineer -in-charge. FOC, emergency complaints, urgent works etc. are to be attended to immediately without any time limit and also on Sundays and other holidays.</p> <p>6. If no work is done on any working day or Sunday or holiday where complaints are pending, recovery will be made on pro-rata basis plus 10%.</p> <p>7. Contractor is required to return the complaint forms immediately on completion of the complaints, duly signed by the occupants / users and by the contractor representative.</p> <p>8. For non-deployment of required workmen, recovery will be made on pro - rata basis plus 10% of the minimum wages rate per person of respective category.</p> <p>9. The above list is not exhaustive but only indicative and the contractor is also required to carry out the activities not specifically mentioned here but require for the general electrical maintenance of the buildings / better upkeep of the complex.</p>				
20	Assisting the Electricians and BHEL Staff LT/HT Power lines, Street Lights etc. in Kailsapuram, Kamarajapuram, Nehrunagar, Vengur, Puthapuram and Keelamullaikudi and also reservoir. Two Labours should be provided in 9.00 AM to 5.30 PM shift on all BHEL working days	15	Month	31464.34	<b>4,71,965.100</b>
30	Identifying all kinds of Street light fitting faults like CFL / Tube Light/ SV/ Halogen / MV/ T5/ Metal Halide / PV Solar / LED Street Light on posts such as wire cuts, aerial fuse, loose contacts in components of light fittings connection in connectors, starters, condensers, Solar battery and attending / rectifying the faults in posts itself.	1500	EA	37.85	<b>56,775.000</b>
40	Removing all kinds of Street light fitting from the post and replacing the faulty components like chokes, ignitor, condensers, starter bases, holders, internal wiring of the fittings. In case of solar PV street light battery, pcb, luminaire and panel also. Materials will be supplied by BHEL at stores at free of cost. Fitting is to be refixed in the post after testing.	1000	EA	56.75	<b>56,750.000</b>
50	Fixing all kinds of Street light fittings such as CFL, Tube Light, SV, MV, Metal Halide, Halogen, T5, PV Solar, LED Street Light etc. on the post with reconditioned or new	800	EA	77.42	<b>61,936.000</b>

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Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
	street light fitting and making it good with the clamps and brackets. (All materials will be supplied by BHEL at stores at free of cost)				
60	Removal of the faulty / damaged tube light SV / MV / CFL / Halogen / T5 / PV solar / LED Street Light complete set with brackets, clamps, fuse carriers etc. and return to Township stores.	800	EA	17.2	<b>13,760.000</b>
70	Erection of tubular pole (Dept. made MS pole) height approx. 7.5 mtr including transporting from BHEL stores to the erection site and excavating 0.90 x 0.60 x1.20M size pit and refilling with the excavated soil but without concrete for temporary street light provision	30	EA	206.42	<b>6,192.600</b>
80	Labour charges for removing the burnt / old ICDP / ICTP / MCTP switches, contactors, fuse carriers, time switch and photo cell, switch control box accessories and burnt out wiring from control panel and fixing with the new one with all accessories which will be supplied by BHEL at stores at free of cost	40	SET	41.28	<b>1,651.200</b>
90	Labour charges for removal of tubular pole from various erected sites and return to Township Stores	20	EA	163.42	<b>3,268.400</b>
100	Supply and fixing of 1" dia. GI pipe bracket with 2 sets of MS clamp to suit RCC / RSJ / Tubular pole for 1x4 feet or 2x4 feet fluorescent street light or LED Street light fitting. Rate includes fixing of street light fitting. (Fitting will be supplied by BHEL at stores at free of cost).	80	SET	275.23	<b>22,018.400</b>
110	Supply and fixing of 1¼" dia. GI pipe bracket with 2 sets of MS clamp for 70W / 150W / 250W HPSV/ HPMV / Halogen / Metal Halide / T5 / LED Street light fitting. Rate includes fixing of street light fitting. (Fitting will be supplied by BHEL at stores at free of cost).	50	SET	94.61	<b>4,730.500</b>
120	Removal of the existing OH service line connection complete set with EB coordination and return to stores with complete set in rolled condition.	50	SET	25.81	<b>1,290.500</b>
130	Supply and stringing of two wire single phase 230 Volts, A.C supply OH / LT service line with 7/20 SWG PVC insulated PVC Sheathed stranded copper conductor cable using 2 No's of porcelain reel insulator at 0.5 meter intervals bound with No. 16 SWG copper wire with continuous run of No. 12 SWG G.I wire in the existing G.I / PVC pipes. Rate also includes providing PVC sleeve in the existing GI pipe mouth, end termination of OH service line and necessary connection in the energy meter etc. No.12 SWG G.I wire should be connected in EB earth and in meter board without any	1500	M	130.73	<b>1,96,095.000</b>

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	joint. Restoration of power supply with EB coordination will be the responsibility of the contractor				
Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
140	Termination of O.H service on the O.H line and necessary connection in the energy meter	250	SET	17.2	<b>4,300.000</b>
150	Providing painting two coats with aluminium paint to the existing tubular M.S pole of approx. height 7-11m with proper scraping of existing paint etc. complete. Rate includes cost of paint, labour etc	80	EA	261.48	<b>20,918.400</b>
160	Providing and laying in position plain cement concrete of specified grade including consolidation, curing etc. complete, all as per standard specifications. All works up to plinth level. Rate excludes cost of centering and shuttering. 1:5:10 with graded stone aggregate 40mm nominal size. Only cement will be issued by BHEL at stores, free of cost.	20	CUM	258.04	<b>5,160.800</b>
170	Labour charges for laying single run of 2/3/4 core 6-35 sq. mm AA / A Cu UG cable on poles / walls / ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost	500	M	73.97	<b>36,985.000</b>
180	Making end termination to 2/3/4 core 6-35 sqmm AA / A Cu UG cable with suitable cable gland and aluminium/copper lugs. Gland should be earthed by No.14 SWG GI wire with suitable clamps	60	EA	68.81	<b>4,128.600</b>
190	Supply and fixing 200 x 200 x 150 mm painted weather proof MS box with hinged door and locking arrangements on tubular street light pole including supply and fixing 1 No. 16 Amps 4 way porcelain / bakelite connector and 1 No. 16 Amps porcelain fuse unit inside the box. Box should be fixed with suitable MS clamps, bolts and nuts and earthed with No.14 SWG GI wire.	40	SET	86.02	<b>3,440.800</b>
200	Highmast Lighting system consists of 2 x 400 watts - 12 no of HPSV non-integral / integral flood light fitting fixed on the top of the 20 meter height tower. It has moving carriage facility to bring down all the fittings through steel wire connected winch. The highmast lighting system is required periodical (2-Times in year) maintenance as per the schedule mentioned under for the highmast Light located opposite of CC. The contractor should check all the items and confirm the reliability and ensure to work in good condition.	2	Number	2149.93	<b>4,299.860</b>

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Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
210	Removing LED Street light fittings from the post and replacing the faulty components like driver, MCPCB. Replacing faulty MCPCB may require removing of faulty MCPCB which pasted on the fitting with heat conductive adhesive and cleaning the fitting by scrubbing and then refixing new MCPCB with heat conductive adhesive again on the same place. Materials will be supplied by BHEL at stores at free of cost. Fitting is to be refixed in the post after testing.	720	EA	250	<b>1,80,000.000</b>
220	Supply and fixing of LED Street Light 30W-35W with suitable lens optics suitable for fixing on 6m/20' Street Light post In BHEL Township. The LED Street Light should be confirming to attached spec and should have 2 years replaceable warrenty	50	Number	1350	<b>67,500.000</b>
230	Rewinding of Ceiling fans	500	Number	390	<b>1,95,000.000</b>
240	Ceiling Fan shaft gas welding and lathe work	100	Number	135	<b>13,500.000</b>
250	Rewinding of single phase AC motors upto 3 HP	2	Number	2100	<b>4,200.000</b>
260	Rewinding of single phase mono-block pump motors 0.5 HP to 3 HP with water seal, oil 'O' ring replacement and service charge	2	Number	4300	<b>8,600.000</b>
270	Rewinding of three phase squirrel cage induction motor-Horizontal 0.5 HP to 3 HP	2	Number	2400	<b>4,800.000</b>
280	Rewinding of three phase squirrel cage induction motor-Horizontal 3 HP to 5 HP	2	Number	3500	<b>7,000.000</b>
290	Rewinding of three phase squirrel cage induction motor-Horizontal 5 HP to 10 HP	1	Number	5900	<b>5,900.000</b>
300	Rewinding of three phase squirrel cage induction motor-Vertical 60 HP	1	Number	29000	<b>29,000.000</b>
310	Rewinding of three phase squirrel cage induction motor-Horizontal 75 HP	1	Number	34500	<b>34,500.000</b>
320	Rewinding of three phase squirrel cage induction motor-Horizontal 100 HP	1	Number	44500	<b>44,500.000</b>
330	Rewinding of three phase squirrel cage induction motor-Horizontal 150 HP	1	Number	56000	<b>56,000.000</b>

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340	Rewinding of single or three phase open type submersible motor 0.5 HP to 3 HP pump water seal, oil ring replacement and service charges	4	Number	5900	<b>23,600.000</b>
350	Rewinding of three phase open type submersible motor 3 HP to 5 HP pump water seal, oil 'O' ring replacement and service charges	2	Number	8000	<b>16,000.000</b>
Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
360	Rewinding of three phase open type submersible motor 12.5 HP pump water seal, oil ring replacement and service charges	1	Number	24500	<b>24,500.000</b>
370	Rewinding of three phase Borewell submersible motor 1 HP to 3 HP pump water seal, oil ring replacement and service charges	2	Number	6200	<b>12,400.000</b>
380	Rewinding of three phase Borewell submersible motor 3 HP to 5 HP pump water seal, oil ring replacement and service charges	2	Number	8100	<b>16,200.000</b>
390	Rewinding of three phase Borewell submersible motor 7.5 HP pump bush replacement and service charges	1	Number	11100	<b>11,100.000</b>
400	Rewinding of three phase Borewell submersible motor 10 HP pump bush replacement and service charges	1	Number	13000	<b>13,000.000</b>
410	Rewinding of three phase Borewell submersible motor 12.5 HP pump bush replacement and service charges	1	Number	14500	<b>14,500.000</b>
420	Rewinding of three phase Borewell submersible motor 15 HP pump bush replacement and service charges	1	Number	19500	<b>19,500.000</b>
430	Rewinding of three phase Borewell submersible motor 17.5 HP pump bush replacement and service charges	1	Number	24500	<b>24,500.000</b>
<b>Improvements to Electrification in Public Buildings in Township BHEL,Trichy</b>					
				<b>TOTAL</b>	<b>51,65,721.060</b>

Mentioned rates excludes GST %.

**Note:**

1. Percentage quoted by vendor online, is for all the items in BOQ, for the quantity indicated, for the total contract duration as per tender.
2. The percentage should be quoted inclusive of all taxes and duties levied or to be levied both by Central and State Government authorities from time to time, except applicable GST. Applicable GST% shall be indicated, seperately as required in tender, online. Goods & Service Tax (GST) will be paid extra on production of documentary evidence.
3. The contractor shall quote only the lowest possible percentage that can be offered for the intended quantity. Rate for individual items of BOQ will then be arrived by BHEL, as per Annexure-A5 in Technical bid. Quotation should be valid for a period of 120 days from the date of Technical bid opening.
4. In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders .In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L-1 bidder(s) or their representatives. (Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.
5. The percentage quoted shall remain firm and valid during the entire period of contract (including extended period if any) and no extra payment will be reimbursed to the contractor by BHEL.
6. The tenderer by participating in this tender, hereby confirms they had read and accepted all the Terms and Conditions in Tender Schedule, also amount quoted with inclusive of any taxes and duties levied except Goods & Service Tax (GST) etc. has been considered by the tenderer for the total contract period.
7. No other pre conditions along with your offer will be entertained by BHEL.
8. The contractor while quoting shall take care of units specified against every item in bill of quantities.
9. Evaluation of the offer shall be done on “Net Cash outflow to BHEL after taking into account applicable Taxes and Duties” and overall (package) L1 basis. The L1 position based on the quoted values (subject to calculations) excluding applicable Goods & Services tax (GST), will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the Goods & Services tax (GST) criteria for all the vendors who had participated in the tender. In case

of exemption from the payment of Goods & Services tax (GST), the vendor has to submit a declaration along with the tender. For such exempted vendor, Vendor cannot claim GST from BHEL, during the execution of the contract (if awarded) even if their status under GST changes to regular tax payer.

#### Special Instructions for Street Light Work:

Note:

All the required spares will be issued by BHEL at site.

Required infrastructures like transporting, cleaning, lubricant, fasteners, tools etc., shall be the contractors scope.

#### MAINTENANCE OF HIGHMAST LIGHTING SYSTEM:

The following activities are to be carried for the period of 15 (Fifteen) Months.

(A) Replacing of faulty control gear components:

1. Bringing down the highmast lantern carriage by lowering from 20-meter height of the highmast system to the ground level.
2. Replacing the required faulty components like Ballast, igniter, capacitor, aviation warning lamps connector blocks, 2/3 core 1.5 /2.5 / 4 / 6 Sq.mm PVC cable and checking the loose connection etc.
3. Replacing the faulty lamp / lamp holders.
4. Replacing the faulty control gear box / luminaries. After replacing the faulty components, the lantern carriage should be raised to its original position without any damage of Gearbox and related components.
5. Replacing the faulty inter connecting 3.5 / 4 core 25 sq.mm armored / un-armored cable between feeder pillar-box and mast. (App. length: 10 meter).
6. Replacing the male and female connectors for main connecting cable, faulty contactors, time - switch, fuse - units, required re-wiring of control / power circuits if necessary in the feeder pillar box.
7. Checking and tightening the earth pit connection bolts. Bolts and nuts shall be replaced wherever required. (Total 3 Earth electrodes and 6 terminal connections at feeder pillar box and highmast).

(B) Maintaining the mechanical system:

Checking and maintaining the winch system, steel wire rope and required fault correction, checking and topping up the gear box oil and greasing the worm wheel and worm shaft to be carried out at the time of attending the maintenance / Repair and periodical intervals. In case of any failure in Gear box or worn wheel worm shaft the contractor should replace the failed part and resume the winch system in original working condition. (Spare parts will be supplied by BHEL free of cost at site / stores).

#### HIGHMAST LOCATIONS:

In front of Community Centre - 1 No. Total no#s of highmast light maintenance work to be carried out in 15 (Fifteen) months:

1No x 2 times = 2 Nos. The required quantity is tentative. It may vary up to +10%. (If any of the highmast light lighting requires additional maintenance will be accounted with this +10% First cycle should be carried out in first 6 months from the commencement of work order and the 2nd cycle in the next six months. It should be strictly adhered.

CONTRACTOR SEAL & SIGN

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**NOTE:**

The quantity mentioned are annual requirements. The quantities mentioned are tentative and it may be varied according to the need arises at the time of requirement. Before starting / completion of the work, the contractor should inform the Engineer-in-charge. Any special tools required for cleaning highmast pole inside like mobile compressor, crane and ladder vehicle etc. are under contractor scope. If required, the dismantling of highmast for removing of Birds / Squirrel nests and other foreign materials inside highmast detachable pole to correct the winch operating mechanism and ensure the up/down movement of carriage also to be carried out by the contractor as per the instructions or Engineer - in - charge.

**GENERAL CONDITIONS:**

1. Contractor should engage only Electrical License (B or C) holder for all Electrical work.
2. Contractor should collect the required spares like choke, lamp, capacitor, Igniter, etc., from Engineer - in - charge / BHEL stores for maintenance work.
3. Contractor should have an arrangement (Bicycle / Trolley) to take the spares to working spot.
4. After completion of periodical maintenance all highmast to be put in operation in good condition after checking.
5. After completion of periodical maintenance highmast minor painting for feeder pillar box & Numbering has to be done as per instruction of Engineer - in - charge.
6. Contractor may visit highmast site location area as mentioned in Sl. No. 200 for highmast details before quoting.
7. In case of any breakdown in the Highmast lighting system, the contractor should respond to rectify the fault.

## Rewinding Motors Scope of Work:

### Scope of Work:

Rewinding of the given single phase 230 V AC Ceiling fans / single phase AC motors / 3 phase squirrel cage induction motors, etc., by carrying out the following works:

- a) Dismantle, check the condition of coil and remove the old/burnt out coils fully.
- b) Remove and clean the slots.
- c) Repair the core and other internals if required.
- d) Re-insulate the motors slots with fresh quality F-Class insulation materials.
- e) Rewinding the motors by using ISI standard super enamel copper wire.[ATLAS, HTP, DEVIDHAYAL, LG]
- f) Apply 100 % varnishing using INSULVAR V30 / DR. BECK & CO. / ELVIN brand of varnish.
- g) Heat treat the coil assembly in the oven lamp.
- h) Assemble the motors and suitable and termination should be done properly. The insulation values should be more than 50 mega ohms.
- i) Motor bearing shall be replaced in case of fault which will be supplied by BHEL at free of cost.
- j) Test the motors performance to the full capacity at contractors work in the presence of BHEL representative.
- k) Bring the rewounded motors to BHEL and prove the performance completely in all aspects at BHEL civil township.

### SPECIAL TECHNICAL CONDITIONS:

1. While dismantling and assembling of motors, proper care should be taken by the contractor, so that the shaft / end cover and other accessories are not damaged.
2. Bearings if found damaged to be replaced by the contractor. On intimation of the bearing condition to BHEL, new bearings will be supplied by BHEL free of cost. The removed bearings should be returned to BHEL, with proper gate entry.
3. The new super enamelled copper coils should be provided by the contractor under their supply scope.
4. Loading, Unloading & transporting of motors from BHEL Civil township to contractor's works and back to BHEL Civil township will be at contractor's scope. Any handling facility required at our works will be provided at free of cost.
5. The rate is inclusive of the cost of materials such as new copper conductor's, Insulating materials, Varnishes etc.
6. All the scrap materials including old copper coil shall be retained with the contractor. The cost shall be adjusted in the total rewinding cost.

7. The contractor should return the rewind motors with BHEL gate pass only and not by any other mode.
8. Contractor shall submit guarantee certificate <(>&<)> parameter certificate (model Certificate were attached) for the performance of the motors for a minimum period of 6 months from the date of delivery at our works against quality of materials / workmanship. If the components fall within the guarantee period, the contractor should carry out the re-work free of cost. Including transportation immediately upon receiving information from BHEL, and ensure satisfactory performance for a minimum period of 6 months after rework.