

**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.	: CT: TS: 025 / 20 - 21
2	Tender Type	: Open Tender – Two Part (e - Tender)
3.	Name of Work	: Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy
4.	Location of Work	: BHEL – Trichy Complex
5.	Contract Value	: <b>Rs. 2500296</b>
6.	Evaluation Value	: <b>Rs. 2500296</b>
7.	Period of Contract	: <b>15 (Fifteen) Months</b> from the date of award of contract
8.	EMD	: <b>Rs. 50,000 (Rupees Fifty Thousand 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	: Qualification Bid: Pages 1 to 22 Price Bid: Pages 23 to 37
9a.	Civil Special & Standard conditions of contract	: Attached Separately
10.	Mode of submission of offer	: <b>No Physical submission of tender</b> , Tender only to be submitted electronically by logging to e-procurement portal <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a>
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> Shri. R. Sundaresan, Manager / Civil / Plng, Hort. & HK 0431 257 8549; e-mail: <a href="mailto:sundaresan@bhel.in">sundaresan@bhel.in</a> Shri. V. Subramaniyan, Sr.Manager / Civil / TS Maint. 0431 257 1012; e-mail: <a href="mailto:vsmn@bhel.in">vsmn@bhel.in</a>
12.	Contact details for queries related to scope of work	: Shri. K.Sekar,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>30.04.2021 / 10:00 Hrs.</b>
14.	Date of Techno Commercial Bid opening	: <b>30.04.2021 / 14:00 Hrs.</b>
15.	MSE benefits if applicable	: <b>Not Applicable</b>

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

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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

**Following documents to be uploaded in e-procurement portal based on status of Agency / Company / Vendor**

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>EMD - <span style="background-color: yellow;">Rs. 50,000.00 (Rupees Fifty Thousand only)</span></b></p> <p><b>(Offer without EMD will be Rejected)</b></p> <p>(EMD is not waived off for SME / NSIC / SSI / MSME vendors for this tender)</p> <p><b>(NEFT is the preferred mode of payment for EMD)</b></p> <p>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. 10.00 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.12.50 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. 20.00 Lakhs)</b> 80% of the evaluation cost.</p> <p><b>Similar Work means Plug point wiring/Rewiring/Replacement of Meter Board/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>(2016-17, 2017-18, 2018-19).</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>2016-17</td></tr> <tr><td>2017-18</td></tr> <tr><td>2018-19</td></tr> </table>	2016-17	2017-18	2018-19
2016-17					
2017-18					
2018-19					
D	<b>Income Tax Registration (PAN)</b> (Copy of PAN to be uploaded)	Details to be filled and documentary evidence to be uploaded in e-procurement portal			

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.)	
<b>Note:</b>		
<p>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.</p> <p>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.</p>		

**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 / PROPREITORSHIP	<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>	CT: TS: 025 / 20 - 21
<b>Tender hosted Date</b>	20.04.2021

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.)***

## **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)**

---

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. 20 04 2021**

To

**The Tenderer**

Dear Sirs,

Sub: **Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy**

Ref: Tender Schedule No. **CT: TS: 025 / 20-21**

\*\*\*\*\*

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).

The completed qualification bid, Price Bid, Special Conditions of Contract and Standard conditions of Contract along with required documents and EMD of **Rs. 50,000.00 (Rupees Fifty Thousand only)** shall be uploaded in e-procurement portal on or before **30.04.2021 @ 10:00 Hrs.** The qualification bid

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ACCEPTING OFFICER

will be opened on **30.04.2021 @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 in Page No. 22 "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

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

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

1. **The scope of work involves** Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy
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**

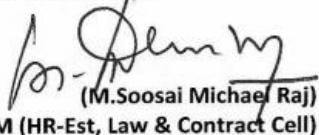
**Sub:** Minimum Wages Act, 1948 – Revision of Dearness Allowance for employment in "General Engineering and Fabrication Industry – Reg.

**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:**

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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	:	Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy
2.	Estimated Cost	:	<b>Rs. 25.00 Lakhs + Applicable GST</b>
3.	Earnest Money Deposit	:	<b>Rs. 50,000/- (Rupees Fifty Thousand only)</b>
4.	Completion time	:	<b>15 (Fifteen) months (From the date of commencement of the work which will be reckoned from the date of handing over to the Contractor)</b>
5.	Last Date of Receipt of Tenders	:	<b>30.04.2021 @ 10:00 hrs.</b>
6.	Date of Tender opening	:	<b>30.04.2021 @ 14:00 hrs.</b>
7.	Maintenance Period	:	<b>06 (Six) Months (from the date of actual completion of the entire work and handing over to Bharat Heavy Electricals Limited)</b>

***ISSUING 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: 025 / 20-21**

Percentage rate / tender for works required in "**Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy**"

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.....

CONTRACTOR

Page **18** of **37**

ACCEPTING OFFICER

**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 sole discretion whose decision shall be final and binding.

**WITNESS**

Signature of the Contractor

Date :

1. .....

2. .....

CONTRACTOR

Page **19** of 37

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.....  
Address

Telephone No.

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 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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
07	ACCOUNT NUMBER									
08	TYPE OF ACCOUNT	CURRENT A/C / OD / CASH CREDIT								
09	BENEFICIARY'S NAME									
10	IFSC CODE OF THE BRANCH	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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:**

**DATE :**

**(Manager / Officer's)  
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**

**CONTRACTOR**

**Page 22 of 37**

**ACCEPTING OFFICER**

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

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

**Name of work :** *"Providing plug point wiring to quarters in Township, BHEL, Rewiring to occupied & vacant Quarters in Township BHEL, Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters, Improvements to Electrification in Public Buildings in Township BHEL, Trichy"*

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
1	Supply and fixing 1 No. flush type 16 amps 6 pin socket with 1 No. 16 amps single pole flush type switch control on a 3mm hylam sheet covered 8" x 6" TW box with necessary inter connections.	SET	200	475.00	95000.00
2	Supply and fixing 32 Amps SPN MCB industrial type plug and socket with 20 / 32 Amps MCB control on MS box for A/C provision (Havells / Legrand).	EA	20	1101.21	22024.20
3	Supply and wiring with two runs of 2.5 Sq.mm PVC multistrand copper conductor cable in 18 # 20 mm dia. PVC conduit pipe on wall with continuous run of No. 14 SWG GI wire	M	1500	101.64	152460.00
	<b>Providing plug point wiring to quarters in Township,BHEL</b>				
4	Removal of entire old wiring and its accessories. completely in Quarters and return all the materials at BHEL stores. Existing wooden plugs shall be removed and all holes in the walls after removal of wiring should be plugged with cement mortar and made good. Removed all materials should be returned separately in each items compulsory as per Engineers inspection and hand over to Civil Stores.	QTR	60	64.72	3883.20
5	Supply and wiring with 2 runs 1.5 Sqmm PVC multistrand copper conductor cable 18 - 20mm dia. of 1.8 - 2mm thick PVC conduit pipe for lights including providing 1 No. 6A FT switch in 4" x 4" TW box with 3mm hylam sheet cover and an angle holder on a TW round block.	PO	500	288.60	144300.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
6	Supply and wiring with 3 runs 1.5 Sqmm PVC insulated multistrand copper conductor cable 18 - 20 mm dia. 1.8 - 2 mm thick PVC conduit pipe including supply and fixing of 1 No. flush type (FT) 6A 5 pin socket and 1 No. 6A flush type switch on a 3mm hylam sheet covered TW box of size 4" x 4" and making proper interconnections etc.,	PO	500	259.01	129505.00
7	Supply and wiring with 3 runs 1.5 sqmm PVC insulated stranded copper conductor cable in rigid PVC conduit pipe of 18 - 20 mm dia. 1.8 - 2 mm thick for staircase light with 2 Nos. flush type 2 way switch on a hylam sheet covered TW boxes of size 4" x 4" and an angle holder on a TW round block.	PO	30	517.99	15539.70
8	Supply and wiring with 3 runs of 4 sqmm of FRLS multistrand copper conductor cable for phase, neutral and earth with colours red, black and green in 20 - 25 mm dia. of 2 mm thick PVC conduit pipe onwall/ceiling.	M	1500	150.00	225000.00
9	Supply and fixing the following on a 3mm thick hylam sheet covered TW box of size 12" x 10" with all internal connections rate includes T.W box also. a. 1 No. Metal Box for 8 way MCB DP. b. 1 No. 40A DP Isolator. c. 6 nos 'C' curve SP MCB of 10A 3 nos & 20A 3 nos. (MCB make shall be L&T, INDO ASIAN, LEGRAND)	SET	60	2500.00	150000.00
10	Supply and fixing 1 No. flush type 6 amps 5 pin socket with 1 No. 6 amps flush type switch control for 6 amps 5 pin socket in the existing switch board with necessary interconnections.	PO	250	40.71	10177.50
11	Supplying and fixing of water tight metal bulk head fitting with lamp holder, guard and glass with 40W BC bulb suitable for CFL Lamp.(Make: Bajaj / Kundan / K lite)	SET	60	113.97	6838.20
12	Removal and refixing of Electronic resistance type regulators including necessary connection in the same location. Rate excludes cost of regulator.	EA	200	64.72	12944.00
13	Supply and fixing replacing ELECTRONIC fan regulator, Surface mounting type or Flush type Socket model with mounting box to replace faulty regulator. Faulty regulator should be returned to stores.	EA	30	128.94	3868.20

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
14	Supply and fixing step type ELECTRONIC fan regulator Flush type Socket model in the existing switch box.	EA	60	275.00	16500.00
15	Supply and wiring with 3 runs of 2.5 sqmm of FRLS multistrand copper conductor cable for phase, neutral and earth with colours red, black and green in 20 - 25 mm dia. of 2 mm thick PVC conduit pipe onwall/ceiling.	M	3500	130.00	455000.00
16	Supply and fixing of 2 Nos. TW plank of size 350 x210 x16 mm with suitable angle iron frame work on wall to accommodate energy meter and 32A 'C' curve DP MCB with suitable metal box as per EB std code of practice. Meterbox, meter, MCB box to be earthed by GI wire, including supply and fixing 1 No. 32 amps 230 / 440V rewirable fuse unit.	SET	3	750.00	2250.00
17	Supply and fixing of 32A / 230V MCDP switch fuse mounted on a teak wood plank of Size 350 x 210mm x 16 mm fixed on the existing iron frame work.	SET	2	81.41	162.82
18	Supply and fixing weather proof Meter box size 50 x 40 x 20 cm (Approx.) with hinged doors made up of 18 Gauge GI sheet to accommodate meter board with peep through glass for meter reading, locking and meter card pocket arrangement etc. complete.	SET	6	323.60	1941.60
19	Supply and wiring with 3 runs 1.5 sqmm PVC insulated multistrand copper conductor cable in PVC conduit pipe of 18 - 20 mm dia. for exhaust/ceiling fan including supply and fixing 1 No. 6 Amp flush type switch in 4" x 4" T.W box with 3 hylam sheet cover and providing 1 No.ceiling rose on suitable place. Power connection shall be taken from the nearest existing switch board.	PO	700	333.02	233114.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
20	Labour charges for fixing the light duty 9" sweep exhaust fan by suitably altering the window /ventilator by removal of glass pane etc. Supply and fixing M.S flat of size 25 x 3 to 4 mm and of length 450 mm (approx.) - 2 Nos. on the window /ventilator with suitable bolts, nuts etc. over which the exhaust fan will be bolted in line, level and alignment. Rate also includes painting the M.S flats with two coats of synthetic enamel paint, cost of fasteners (bolts and nuts, coach screws etc.), labour and all other incidental charges etc. complete. All as per standard specification and instructions of Engineer-in-charge. Exhaust fan will be supplied by BHEL at stores at free of cost.	SET	5	81.41	407.05
21	Labour charges for fixing of the tube light fitting. (2 Nos round block and fixing wooden screws, 1 mtr plastic wire and 1 No. adopter are contractor scope.	EA	20	53.93	1078.60
22	Conveying (all sweeps) ceiling / exhaust / cabin fan from BHEL stores to site and refixing the same in the hook connecting, testing and handing over the fans to the occupant. (Fan will be supplied by BHEL stores at free of cost).	EA	20	53.93	1078.60
23	Supply and erection of earth electrode using 40mm dia. G.I pipe class 'A' of 2.5 metre length with 50 x 6 mm GI brackets, necessary earthwork excavation of required dimensions, providing alternate layers of salt and charcoal, through bolt, suitable GI funnel with perforated cover for filter on the top of G.I pipe, masonry chamber, RCC cover, all in general conforming to IS 3043.	EA	20	2500.00	50000.00
24	Removal of the existing O.H service line connection with EB coordination and return to stores with complete set in rolled condition.	M	400	2.15	860.00
25	Supply and stringing of two wire single phase 230 volts, AC supply OH / LT service line with 7 / 20 SWG PVC insulated PVC sheathed stranded copper conductor cable using 2 Nos. of porcelain reel insulator at 0.5m 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 lines 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 joint. Restoration of power supply with EB coordination will be the responsibility of the contractor.	M	400	76.24	30496.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
26	Removal of the existing damaged GI pipes and return to stores.	M	40	5.02	200.80
27	Supply and fixing of 20 mm dia G.I. pipe class A with necessary bend and painted MS clamps. Service pipe should be rigid with stay wire / clamps.	M	30	97.07	2912.10
28	Supply and running 1 run 1.5 sqmm FRLS copper wire of yellow colour while doing wiring in existing PVC pipe for inverter supply.	M	800	15.00	12000.00
29	Supply and fixing of 6" x 4" wooden box with 3mm hylum sheet with 1 no 6A 1 way switch, 1 no 6A 2 way switch and 1 no 6A 5 pin socket with all internal connections for inverter connection.	EA	50	150.00	7500.00
<b>Rewiring to occupied &amp; vacant Quarters in Township BHEL</b>					
30	Removable of old / Unserviceable 230V / 16A. Kit kat porcelain Fuse unit with the existing switch board / EB meter board and return to civil stores	SET	50	9.20	460.00
31	Removal of Old / Unserviceable ICDP / MCDP of 230V / 16A switches from the existing switch board / EB meter board and return to Civil Stores	SET	50	9.20	460.00
32	Supply and fixing of 230V / 32A porcelain Kit kat fuse unit (GEC, ANCHOR, GEM or KALKI) on the existing meter board including necessary connections.	SET	50	128.70	6435.00
33	Supply and fixing of 230V / 32A, 'C' Type double pole MCB (HAVELLS, LEGRAND, GE, HAGER) with Metal surface mounting Box on the existing meter board including necessary inter connections	SET	50	549.70	27485.00
34	Supply and fixing of 2 Nos. of TW plank size 350 x 210 x 16 mm with 8 Nos 6 x 25 mm GI Bolts and nuts for fixing on the existing meter frame.	SET	50	266.57	13328.50
35	Supply and erection of earth electrode using 25 mm dia class A G.I pipe of 1.8 metre length with 25 x 5 mm GI brackets, with through bolt and necessary earthwork excavation of required dimensions, providing alternate layers of salt and charcoal, suitable RCC cover, all in general	EA	50	896.25	44812.50
<b>Replacement of Meter Board, Main Board and provision of MCB etc., in type-II and Type-III Quarters</b>					
36	Supply and fixing 1 No. flush type 5/6 amps 5 pin socket with 1 No. 5/6 amps flush type switch control on a 3mm hylam sheet covered TW box of size 4" x 4" with necessary inter connections.	PO	100	140.00	14000.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
37	Supply and fixing of 1 No. 32 amps 6 way TPN Metal clad distribution board (GEM/ HAVELLS) with rewirable/HRC fuse carriers and 1 No. 63 Amps TPN metal clad isolator switch on a suitable angle iron frame work on wall. The distribution board should be fixed with supply of suitable adopter box and continuous run of No.14 SWG GI wire	SET	1	11400.00	11400.00
38	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max.depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. 3½ core 25 Sq.mm.	M	1	280.00	280.00
39	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max.depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. 3½ core 35 Sq.mm	M	1	355.00	355.00
40	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max.depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. c) 3½ core 50 Sq.mm	M	1	380.00	380.00
41	Labour charges for laying following AA UG cable single run 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. 2/3/4 core 6,10 and 16 Sq.mm	M	1	150.00	150.00
42	Labour charges for laying following AA UG cable single run 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. 3½ / 4 core 25 and 35 Sq.mm	M	1	150.00	150.00
43	Labour charges for laying following AA UG cable single run 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. 3½ / 4 core 50 Sq.mm	M	100	150.00	15000.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
44	Labour charges for laying following AA UG cable single run 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. 3½ / 4 core 95 Sq.mm	M	1	150.00	150.00
45	Labour charges for laying following AA UG cable single run 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. 3½ / 4 core 185 / 300 Sq.mm	M	7	125.00	875.00
46	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. 2/3/4 core 6,10 and 16 Sq.mm	EA	5	250.00	1250.00
47	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. 3½ / 4 core 25,35 and 50 Sq.mm.	EA	5	380.00	1900.00
48	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. 3½ / 4 core 95 Sq.mm	EA	1	900.00	900.00
49	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. 3½ / 4 core 185 / 300 Sq.mm.	EA	4	1500.00	6000.00
50	Supply and fixing of GENELEC / CROMPTON / BAJAJ patti fitting with 1 No. 40W fluorescent lamp on wall / ceiling using TW/PVC round blocks	EA	5	500.00	2500.00
51	Supply and fixing weather proof meter box of size 70x59x30 CM (approx) with hinged doors made up of 18 Gauge GI sheet to accommodate meter board with peep through glass for meter reading, locking and meter card pocket arrangements etc.complete.	SET	1	4000.00	4000.00
52	Supply and fixing of 2 Nos. of 18 GI M.S sheet of size 500 x 590 mm with suitable angle iron frame work on wall to accommodate energy meter, cut - out and TPN main switch including supply and fixing of 3 Nos. of 63 amps rewirable fuse unit. Metal clad switches, meter box and meter should be earthed by No.14 SWG GI wire.	SET	1	5400.00	5400.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
53	Supply and fixing Gem/Havells/Standard 32A metal clad double pole switch fuse on the existing TW plank/MS sheet . Switch should be earthed by No. 14 SWG GI wire.	EA	1	1200.00	1200.00
54	Supply and fixing 63 A metal clad TPN switch fuse of Gem / Havells / Standard on GI sheet / Panel Board / wall with suitable arrangement. Switch should be earthed by No.14 SWG GI wire"	EA	1	3500.00	3500.00
55	Supply and fixing 32 A metal clad TPN switch fuse of Gem / Havells / Standard on GI sheet / Panel / Wall with suitable arrangements. Switch should be earthed by No. 14 SWG GI wire.	EA	1	2800.00	2800.00
56	Supply and fixing of 1 No. 15/16/20 amps 6way SPN metal clad distribution board (GEM / Havells) with 1 No. 32 amps metal clad double pole switch fuse (GEM / Havells) on a suitable angle iron frame work on wall. Metal clad DB and switches should be earthed by No. 14 SWG GI wire.	SET	1	2000.00	2000.00
57	Supply and fixing 1 x 40 watts HPF fluorescent street light fitting (Genelec / Crompton / Bajaj ) on 1" GI bracket of suitable length with 2 Nos. of M.S clamps on wall with inter connections.	SET	2	2500.00	5000.00
58	Supply and laying of No. 8 SWG GI wire for earthing	M	45	12.00	540.00
59	End termination of overhead service and over head line and necessary connection in the energy meter as well as aerial fuse / directly to the bare conductor	SET	1	120.00	120.00
60	Supply and fixing HPSV 70 watts (Genelec / Philips / Crompton) integral single piece cast aluminium body street light fitting with 70 watts HPSV lamp without built-in igniter on a suitable length 1¼" GI pipe bracket on wall / pole with 2 sets of MS clamps and necessary connections.	SET	1	3800.00	3800.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
61	Supply and fixing wall mounting industrial type switch board on suitable angle iron frame work mounted on wall/ground including supply and fixing of 100 amps TPN aluminium busbar of suitable length including supply and fixing the following switches. Identification of all inlets and outlets, location, details etc. by painting 1)125Amps L<(>&<)> T/Standard/Havells TPN metal clad HRC type switch fuses as incomer with suitable adopter box. 2)3 Nos. of 63 Amps L<(>&<)>T / Standard / Havells TPN metal clad HRC type switch fuse with suitable adopter box for each fuse. All the switches are to be earthed with No.8 SWG GI wire	SET	1	22000.00	22000.00
62	Supply and fixing 125A metal clad TPN switch fuse of L<(>&<)>T / HPL / Standard on the existing switch board with HRC fuses and adopter box on a suitable angle iron frame work on wall with No. 8 SWG GI wire for earth. Rate excludes cost of switch board.	SET	1	3800.00	3800.00
63	Labour charges for removing and refixing of the lighting fixtures such as tube light fitting, MV / SV / LED lamp fitting etc.	EA	50	120.00	6000.00
64	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. 16Amps porcelain fuse unit inside the box. Box should be fixed with suitable MS clamps and bolts and nuts.	SET	1	1500.00	1500.00
65	Supply and fixing of 2 x 40 W decorative type fluorescent lamp fitting with 2 Nos. 40W fluorescent lamp PHILIPS make type TBS/ 305 /236 with necessary down rods of length 0.6 to 0.8 metre with ball and socket arrangement with bolts and nuts, grouting on ceiling etc. complete. No.14 SWG GI wire for earth should be provided.	SET	1	3400.00	3400.00
66	Supply and fixing of downrod with ball and socket for fluorescent tube light fitting for a length of 70/75 cm	SET	5	480.00	2400.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
67	Labour charges for removing and refixing 63/100/125 A TPN switch / change over switch from the existing panel. Removed materials to be returned to stores. Switches will be supplied by BHEL at Stores at free of cost.	EA	4	1560.00	6240.00
68	Labour charges for removing and refixing 200/250 A TPN switchgear from the existing panel. Removed materials to be returned to stores. Switchgears will be supplied by BHEL at Stores at free of cost	EA	5	500.00	2500.00
69	Supply, removing and refixing with necessary interconnections inner sets for 63/125 A TPN switchgear in the existing panel with necessary Nuts Bolts. Removed materials to be returned to stores.	EA	5	2000.00	10000.00
70	Supply and fixing of 15" dia. heavy duty exhaust fan 1400 rpm (Make : Almonard / Polar / Khaitan) on wall with suitable fixtures including necessary opening at wall.	EA	1	4800.00	4800.00
71	Supply and fixing of Anchor hook type bolt on ceiling and labour charges for fixing ceiling fan. Fan will be supplied by BHEL stores at free of cost	EA	40	144.00	5760.00
72	Supply and making straight through cable joint kit of the following size, LT UG cable with supply of epoxy type M - Seal joint kit and ferrules etc. 3.5 core 35/50 Sqmm Armoured Alu. Cable	EA	1	3000.00	3000.00
73	Labour charges for removing the Halogen lamp/LED/Tubelight fitting, repairing / rectifying the fault, replacing the faulty lamp if necessary and refixing the same in proper position at an approx. height of 11 metre tubular pole.	EA	1	120.00	120.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
74	Supply and stringing of four wire three phase OH service line with 4 sqmm PVC insulated stranded copper conductor cable using 4 Nos. of porcelain reel insulator at 0.5 metre 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 joint. Restoration of power supply with EB coordination will be the responsibility of the contractor	M	1	300.00	300.00
75	Supply and fixing 25 mm dia GI pipe of class A with necessary bend, MS clamps including painting. Service pipe should be rigid with stay wire/clamps	M	1	350.00	350.00
76	Supply and fixing of 2 Nos. of TW plank of size 480x240x16mm with suitable angle iron frame work on wall for 3 phase EB service connection, including supply and fixing 3 Nos. of 32 amps rewirable fuse unit and 1 No. of 415V, 32A MCTPN GEM/ANCHORHARELLS) switch.	SET	1	2640.00	2640.00
77	Supply and wiring with four runs of 4 sqmm PVC multistrand copper cable in the existing GI/PVC pipe	M	1	275.00	275.00
78	Supply and fixing of 3 Nos. 32A porcelain fuse unit fixed on suitable wooden plank for aerial fuse.	SET	1	600.00	600.00
79	Supply and fixing of the following on a 3mm thick hylam sheet covered hinged TW box of size 12" x 10" 6 way SPN MCB DB Box (Havells / Indo Asian)-1 No. 40A DP MCB Isolator (Havells / Indo Asian)-1 No, Single Pole 'C' curve MCB 20 A (Havells / Indo Asian)-2 Nos & Single Pole 'C' curve MCB 10 A (Havells / Indo Asian)-2 Nos	SET	10	3500.00	35000.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
80	Supply and fixing of 50x50x6 mm MS angle of length 450mm on wall for EB Service Line	EA	1	150.00	150.00
81	Removal of existing service line, pipe, frame, board, fuse unit, main switch complete set and return to Civil Stores and making good with cement plastering and white/colour washing touch up etc. complete	SET	1	120.00	120.00
82	Supply and laying of No. 12 SWG GI wire for earthing	M	100	12.00	1200.00
83	Supply and fixing of 1 x 36 W Crompton Greaves / Philips make decorative surface mounting fitting mirror optics luminaire with anodized aluminium cross louvers and decorative white engineering plastic end cover with fluorescent lamp	SET	1	2900.00	2900.00
84	Supply and fixing of box type 4 ft, 36 W FTL fitting with 1No. 4ft, 36W tube. [Make: Bajaj,Crompton,Philips only].	SET	30	690.00	20700.00
85	Supply and fixing 4 ft, 18/20 W LED tube light fitting with rated voltage 110V-295V. [Make: Havells,Crompton,Philips only].	SET	30	350.00	10500.00
86	Supply and fixing cluster type two step decorative chandelier type fitting with 15 Nos. 40 W bulb	SET	1	2000.00	2000.00
87	Supply and fixing of mirror fittings Crompton / Philips make fitting white colour with a 14 W CFL bulb	SET	1	1200.00	1200.00
88	Supply and fixing of mini surface mounting fitting-Type TLE 211 Crompton Greaves make with 2 Nos. 11 W CFL Lamp.	SET	1	1900.00	1900.00
89	Supply and fixing of MS fan down rod pipe of 20mm dia 2mm thick with 1 metre	EA	1	180.00	180.00
90	Supply and wiring with 1.5 Sqmm PVC insulated multi stranded copper conductor cable in rigid PVC pipe with ceiling rose / holder for light/fan point with 1 No. 6A Leon/Lisha modular type switch fixed on Leon /Usha metal box and top front plate etc. complete.	PO	1	1020.00	1020.00
91	Supply and fixing 1 No 5/6 Amps 5 pin socket with 1 No. 5/6 Amps switch all modular type with suitable metal box front plate inter connection etc. complete.	EA	1	232.00	232.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
92	Supply and fixing 1 No 15/16/20 Amps 6 pin socket and 1 No. 15/16/20 Amps switch modular type with metal box, front plate inter connection etc. complete.	EA	1	300.00	300.00
93	Supply and fixing of Fan Step Regulator modular type with suitable metal box, front plate, inter connection etc.	EA	1	396.00	396.00
94	Supply and fixing of 1 No modular type bell push switch for annunciator with suitable metal box, front plate inter connection etc. complete.	EA	1	300.00	300.00
95	Supply and wiring with 3 runs of 2.5 Sqmm PVC insulated multi strand copper conductor cable in 18 /20 / 25mm dia 1.8 to 2mm thick PVC conduit pipe in concealed. ( Brand : Kundan / Finolex ).	M	1	150.00	150.00
96	Supply and wiring with 3 runs of 1.5 Sqmm PVC insulated multi strand copper conductor cable in 18/20/25mm dia 1.8 to 2mm thick PVC conduit pipe in concealed. ( Brand : Kundan / Finolex ).	M	1	120.00	120.00
97	Dismantling the plastering and brick work for concealing of pipes and switch boxes for required sizes and making good to match with the same with filling/plastering in cement mortar 1:5 after fixing the pipes, switch boxes etc. Rate includes cost of cement.	M	1	120.00	120.00
98	Supply and fixing Philips decorative CFL luminaire (Type FL 800/320) for wall mounting with polycarbonate rings, thermoset plastic lamp holder, including supply of 1x20Watts Ecotone / Ambience Décor Lamp	SET	1	2500.00	2500.00
99	Supply and fixing Crompton Greaves Paralite louvre of model CRFQ 11336/P5 with 3x36W CFL decorative recessed mirror optic luminaire comprising bright anodized aluminium reflector and P5 paralite louvers.	SET	1	2000.00	2000.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
100	Supply and fixing Crompton Greaves AKTIV-TAK 36XB fitting with 1x36W CFL and CRCA stripe type luminaire in epoxy powder coated finish and decorative click fit Engineering plastic end caps.	SET	1	3000.00	3000.00
101	Supply and fixing of Crompton Greaves lightline luminaire of model T5LK 1114 with 1x14 W T5 ultraslim T5 luminaire, decorative serrated acrylic diffuser prewired with electronic ballast etc.	SET	1	2500.00	2500.00
102	Supply and fixing of Crompton make DDLV11/15W/10BC lamp fitting in the false ceiling including supply of 1 No.15W. CFL.	SET	1	2500.00	2500.00
103	Supply and fixing Crompton Greaves DDLH 213 /eb/N6 recessed mounted downlight with bright anodized aluminium reflector and integral control gear including supply of 2x13W CFL Lamps with electronic ballast for each lamps with all accessories.	SET	1	1900.00	1900.00
104	Supply and fixing TPN 8 WAY MCB distribution board with double door sheet steel enclosure with detachable gland plates for flush/surface mounting with busbars, neutral links, din channel and earth bar but without MCBs on a suitable MS flat framework including cable end box etc. complete for flush mounting on wall with suitable M.S.painted adopted box both ends and including supply and fixing of following MCB switches. (Havells/Indo Asian/MDS/L&T/Hager) a) One No. of 125 Amps 4 pole MCB isolator as incomer. b) 12 Nos. of 20 Amps single pole-Type C-MCB c) 12 Nos. of 10 Amps single pole-Type C-MCB	SET	1	16000.00	16000.00

Sl.No	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
105	<p>Manufacturing and supply of weather proof out door type, street light timer controller of approx size 750X400X250mm using 1.6mm thick CRCA sheet, with continuously hinged door &amp; 10mm gasket to be provided in the door for protection from water and dust with locking arrangement. The timer box should contain the following components &amp; suitable to mount on the street light pole</p> <p>a. 20 Amps 2 pole power contactor with coil voltage 230V AC. Make: Siemens / L&amp;T - 1 No.</p> <p>b. Digital time switch - Supply voltage 110-240 VAC, 50/60 Hz O/P:1C/O,16A(NO) &amp; 5A(NC) Make: L&amp;T GIC make timer - 1 No.</p> <p>c. 20 Amps 2 pole MCB. Make: Siemens / L&amp;T - 1 No.</p> <p>d. 10 Amps Single pole MCB for Control Circuit - 1 No.</p> <p>e. 32 Amps terminal block 4 way for contactor output to load - 1 No.</p> <p>f. 6 Amps Single pole MCB for Bypass Switch - 1 No.</p> <p>g. Punch hole of 25mm dia to be provided for cable / conduit entry at the bottom of terminal box - 2 Nos.</p> <p>h. 32 X 6 mm GI flats are to be provided as a mechanical support for clamping arrangement of the box with pole - 2 Nos.</p> <p>i. Separate earth terminals duly welded to the box - 2 Nos.</p> <p>j. Conformance to IP54 Protection for the street light timer control box.</p> <p>k. Space for single phase energy meter 200mm X 200mm - Separate hylam block for energy meter - 1 No.</p> <p>l. In outer box "STREET LIGHT CONTROL BOX" - name plate sheet should be provided, All the above items should be mounted on a base plate duty wired with 4 Sq.mm multistrand copper wire-incoming terminal to MCB and power wiring and 1.5 Sq.mm multistrand flexible insulated copper wires for control wiring for automatic controls of street lights. The sheet steel MS box should be undergone with Degreasing, Derusting, Phosphating and applied with 2 coat of primary enamel paint and powder coating of finishing paint with Siemens Grey colour.</p>	NO	30	11735.00	352050.00
	<b>Improvements to Electrification in Public Buildings in Township BHEL,Trichy</b>				
				<b>TOTAL</b>	<b>2500296</b>

Mentioned rates excludes GST %.

CONTRACTOR SEAL & SIGN

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ACCEPTING OFFICER