

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

TENDER DOCUMENT (PRICE BID)

Name of work : Improvements to Electrification in Public Buildings, BHEL Township

Value of work : Rs. 15.87 Lakhs

Tender Notice No. : CT: TN: 04 / 16-17

Tender Schedule No. : CT: TS: 012 / 16 - 17

Period of Contract : 12 Months

Issued to : M/s

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

PREAMBLE

The scope of work **Improvements to Electrification in Public Buildings, BHEL Township**

Value of Work: Rs. 15.87 Lakhs Period of Contract: 12 (Twelve) Months

1. ~~The tender value excludes cost of cement, reinforcement steel & structural steel which will be supplied by BHEL at Stores at free of cost.~~ Other free issue materials by BHEL are indicated in Schedule B of the Price bid document.
2. Time is the essence of the contract. Being a time bound project, the contractor should make all efforts to complete the work in time. Even though the overall completion period is indicated as **12 months**, the works shall be completed progressively and handed over as per agreed split up schedule.
3. The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.
4. The following eligibility criteria shall be complied to fulfill the Qualification Bid:-
 - A. Separate Registration for EPF, ESI, PAN & Service Tax, IT returns acknowledged by IT Office, Profit & Loss Account and Balance Sheet certified by the auditor for the last three years (2012-13, 2013-14 & 2014-15).
 - B. Average annual turnover for the electrical works in the last 3 financial years (2012-13, 2013-14 & 2014-15) ending 31st March, shall be at least for a value of Rs. **4.76 Lakhs** (i.e.,) (Total value of Electrical works executed in the three Financial years shall be at least Rs. 14.28 Lakhs)
 - C. During last seven years i.e., from **01st May 2009** to **30th Apr 2016** should have successfully completed works either
 - i. Three Electrical works each not less than Rs. **6.35 Lakhs**
Or
 - ii. Two Electrical works each not less than Rs. **7.94 Lakhs**
Or
 - iii. One Electricals work not less than Rs. **12.70 Lakhs**
 - D. Latest solvency certificate (Obtained within 6 months) from Nationalized / Scheduled bank, shall be at least for a value of Rs. **6.35 Lakhs**.
 - E. Valid Electrical EA license for Class I and EB for class II in the name of contractor from competent authority.
5. The works executed in the own name of the tenderer only will be considered for eligibility criteria.
6. Dissimilar / irrelevant works will not be considered for eligibility criteria.
7. Documentary evidences (Xerox copies - attested) for turnover, works experience, P.F, ESI & Sales Tax registration etc., all as indicated & required in the tender document should be furnished without which it will not be taken into account.
8. The value of turnover and the value of similar works mentioned include materials supplied.
9. The norms for qualification with prescribed score is attached in the Qualification Bid Document. Evaluation will be done accordingly. Minimum score required for qualification is 60.

10. Tender Value is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract vary by more than 20% (twenty percentage).
11. Quoted rate shall be firm throughout the contract period of **12 (Twelve) months** or till completion of work and no cost escalation is allowed on any account.
12. The item rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, roads, revenue expenses, overheads, profits & all other incidentals etc., complete.

The rate quoted shall not include service tax. However the service tax as applicable for this contract work can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. The contractor has to submit the service tax payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.

The L1 position based on the quoted values (subject to calculations) excluding service tax, will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the service tax criteria for the vendors who had participated in the tender. In case of non-applicability of service tax, the contractor has to submit a declaration along with the tender documents.

13. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rates quoted shall be deemed to be inclusive of all such contingencies.
14. Usually, working hours are limited to day time only. In emergency cases to carryout works during nights, it may be done so with the specific prior permission of BHEL. In such case, it is to be carried out in the presence of BHEL officials or their authorized persons.
15. The work shall be carried out as per drawings released then and there, Department Work & Safety procedure, AWS / BIS specifications, standard code of practice and as per the instructions of Engineer-in-charge. The brief description of items of work is given in the bill of quantities provided in the Price Bid. **Tenderer has to quote rates both in figures and in words for all the items given in the Bill of Quantities provided in the Price Bid.**
16. For any item of work not covered in Bill of Quantities, the rate will be arrived at based on the conditions given in BHEL General Conditions of Contract in force.
17. **The contractor has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Price Bid if the work is awarded. Further the contractor has to furnish 50 % of security deposit before signing of agreement and commencement of work.**
18. ~~The contractor should bring the construction earth moving machineries like Poclain, Paver, Road Roller, JCB etc., as and when required for the work without any delay. Also required number of the following tools & Plants / instruments shall be made available always at site for the works.~~
 - a) ~~Precise Leveling instruments and theodolite.~~
 - b) ~~Full load mixture machine / mini batching~~
 - c) ~~Petrol / Kerosene driven vibrator/ mechanical vibrator~~
 - d) ~~Cube moulds~~
 - e) ~~Inter carting vehicle (tractor, hand trolley etc.)~~
 - f) ~~Hydra cranes~~
 - g) ~~Power operated winches~~
 - h) ~~Mobile / Hydraulic crane~~
 - i) ~~Welding machine etc.~~

19. The contractor has to arrange sufficient number of Lorries to collect & transport the surplus earth, construction debris generated, etc. at site. Otherwise BHEL would clear the debris at the contractor's risk and cost.

20. The contractor has to execute any item of work irrespective of the quantity available in the tender without any reservation / extra cost till the contract value does not vary more than 20%.

21. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot. The contract should arrange for surveying construction site at his own cost.
22. Statement of completed works with detailed measurements along with material reconciliation statements shall be submitted by the contractor in the last week of every month or as required by the department for processing bill.
23. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
24. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
25. The contractor shall strictly adhere to various labour laws in force.
26. The contractor has to submit the organization chart of their set up for the works and any change thereafter in the organization set up shall have the prior approval of BHEL.
27. The contractor should submit the programme for the completion of work and the list of machineries and site personnel to be deployed for the work along with tender.
28. The contractor should establish his own site office, fabrication yard, handling facility, storage facility to stock department supply materials at his own arrangement.
29. The contractor is required to carry out construction activities as directed by the department officials. It is required to engage certain minimum strength of staff for effective supervision of works as indicated below:

Site in-charge / Construction Manager	-	1 No.
Electrical Engineer (Graduate in Electrical Engineering)	-	1 No.
Supervisor / Engineer (Diploma Holder)	-	1 No.

In addition to the above, Quantity surveyors have to be engaged to prepare measurements and submit the bills.

30. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
31. To safeguard the persons working at height in roof, wall etc., sufficient number of Industrial Safety nets shall be provided at tenderer's cost in appropriate level and locations. The working hand including Supervisors, Engineers should wear the personal protective items and safety measures such as helmets, safety belts, shoes, etc., before entering into working place.
32. The tenderer has to deploy adequate labour of required categories such as Unskilled, Skilled, Mason, Carpenter, Plumber, Welder, Fitter, Mistry, electrician, technically experienced, etc. so as to execute the works simultaneously in all areas of work. The Technical persons with experience shall have to produce valid certificate for verification.
33. ~~Expertised labour only to be engaged for specialized items of work like laying of ceramic tiles, marbles, euddapah slabs, granite slabs and false ceiling, partition, wall paneling, architectural finishing etc. and work experienced persons shall be engaged for fabrication, water supply, railway track laying and aligning works, sewerage system work, etc.~~
34. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex including bio-metric system.
35. Exclusive Stores personnel should be engaged who would coordinate with department official for clearance and collection of BHEL supplied materials required for works.
36. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in all the gates of Factory / Township Complex.

37. The tenderer shall carry out health performance test at his cost for all the workmen engaged in the work through a registered medical practitioner and produce certificate on demand.
38. It shall be the responsibility of the contractor to see that the workmen do not utilize the departmental canteen facilities. Contractor has to make his own arrangements to provide refreshment for the workmen.
39. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
40. All the materials supplied by the contractor should conform to the relevant IS/BS/ISO/EN/ TNBP Specifications and got approved by the engineer-in-charge.
41. The contractor should maintain proper accounts for materials if any supplied by this organization and these should be available at the site of work for verification and check by the Officials of this organization at any time.
42. All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work.
43. **The contractor should use only the materials of brand and quality as approved by BHEL.**
44. All materials and consumables brought by the contractor should have manufacturer's certificate.
45. All tools and plants including jack hammer with silencer & bits, rock drilling machine, etc., required for all the works covered under this contract will have to be brought by the contractor.
46. All safety measures are to be followed during execution of work, particularly during blasting and only licensed blaster should be engaged for this purpose. Sufficient care shall be taken by the contractor during excavation to avoid damages to the buried pipe lines, cables and other infrastructure like railway lines if any etc. Controlled blasting including muffling can be carried out with prior permission from safety department.
47. Contractor's materials and tools & plants shall have to be brought inside factory / Township with proper invoice / voucher and make necessary entry in the security gate. They should maintain proper record for tools and plants, materials, etc., brought inside.
48. The contractor should extend fullest co-operation with the third party agencies engaged, if any by BHEL, to adhere the Quality Control Procedures ensuring quality.
49. The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.
50. With regard to specifications not covered by the General and Special Conditions of Contract, those contained in the ~~Tamil Nadu Building Practice Standard Specifications~~ or Electrical specifications approved by Bharat Heavy Electricals Limited, shall apply.
51. Tenderers are requested to furnish the duly filled in E format attached as separate sheet along with a cancelled cheque leaf to accept Electronic fund transfer / R T G S transfer for any payment from BHEL, Trichy.
52. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
53. No advance / mobilization advance will be given.
54. LD / Penalty clause is applicable as per General Conditions of Contract in force.
55. BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
56. **The tenderer has to ensure payment of Minimum Wages as per Tamil Nadu State Minimum Wages as applicable under law from time to time.**

At present the Tamil Nadu State Government Minimum wages declared is enclosed for your reference (Page No.6)

Normally the revision will be with effect from 1st April of every year. Tenderers are requested to quote their offer after taking into account of the above factor also.

57. The labourers engaged in this contract shall be paid additional payment as mentioned below in addition to the payment of Minimum wages as stated above.

a)	Unskilled Worker	Rs. 3200 per month
b)	Semi-skilled Worker	Rs. 3700 per month
c)	Skilled Worker / Supervisor	Rs. 4100 per month

Also the labourers shall be paid a minimum bonus which shall be 8.33% as per the payment of Bonus Act 1965 for the total wages paid (i.e.) Payment of minimum wages and additional payment as mentioned above.

The Contractor shall have to remit EPF & ESI contributions at the rates applicable under law to the authorities concerned for the total wages paid (i.e.) Payment of minimum wages and additional payment as mentioned above.



BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI – 14
HUMAN RESOURCE MANAGEMENT

CIRCULAR

No. BHEL: HR: WEL: MW

Date: 31.03.2016

ALL CONTRACT EXECUTING/AWARDING OFFICIALS

- Sub. : Minimum Wages Act 1948 – Fixation of Minimum rates of wages for the employment in “General Engg. and Fabrication Industry” – Revision of DA – Reg.
Ref. : Notification No. Z3/9329/2016 dated 24.03.2016 from the Commissioner of Labour, Chennai.600 006

Consequent upon the increase in Dearness Allowance payable under the Minimum Wages Act from Rs. 4575.00 to Rs.5196.00 per month to those employed in “General Engineering and Fabrication Industry”, the Minimum Wages payable by the Contractors to their workmen engaged in the following categories would be as follows with effect from 01/04/2016:

Sl. No.	Category	Minimum Basic Wages per day	Minimum DA per day	Total Minimum Wages per day	Minimum Basic Wages per month	Minimum DA per month	Total Minimum Wages per month
1	Unskilled Worker	Rs.123.00	Rs.200.00	Rs.323.00	Rs.3690.00	Rs.5196.00	Rs.8886.00
2	Semi-Skilled Worker	Rs.133.00	Rs.200.00	Rs.333.00	Rs.3990.00	Rs.5196.00	Rs.9186.00
3	Skilled Worker	Rs.139.00	Rs.200.00	Rs.339.00	Rs.4170.00	Rs.5196.00	Rs.9366.00
4	Supervisor				Rs.3956.00	Rs.5196.00	Rs.9152.00

Contract Awarding / Executing Executives are requested to ensure that the contractors make payment to their workers not less than Minimum Wages as stated above.

SDGM (HR-Welfare and Recruitment)

Cc:

All HR Executives
Sr.Manager/HR/PC/Chennai
Sr.Manager/HR/PPPU/Thirumayam
AGM/Finance
GM/Finance
AGM/HR
GM/HR



BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
Unit: TIRUVERUMBUR, BOILER PROJECT, P.O.
TIRUCHIRAPALLI - 620 014.

CIVIL ENGINEERING DEPARTMENT

NOTICE INVITING TENDER

- | | | | |
|-----|----------------------------------|---|---|
| 01. | Name of work | : | Improvements to Electrification in Public Buildings, BHEL Township |
| 02. | Estimated Cost | : | Rs. 15.87 Lakhs |
| 03. | Earnest Money Deposit | : | Rs. 40,000/- |
| 04. | Completion Time | : | 12 (Twelve) Months
(From the date of commencement of the work which will be reckoned from the date of handing over to the Contractor) |
| 05. | Cost of Tender Document | : | Rs.750/- (including Sales Tax)
This amount will not be refunded under any circumstances |
| 06. | Last Date for Receipt of Tenders | : | 14.00 Hrs. on 29.06.2016 |
| 07. | Date of Tender Opening | : | 14.00 Hrs. on 29.06.2016 |
| 08. | Maintenance Period | : | Nil |

Tender document contains **98** pages in Qualification Bid and **32** pages in Price Bid including Bill of Quantities, EFT format etc.

Issued to Messrs. / Thiru :

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ISSUING OFFICER

CONTRACTOR

ACCEPTING OFFICER

INSTRUCTIONS TO TENDERERS

1. The tender is open to all Contractors. The Contractors not borne on the approved list of contractors of this organization must submit the following testimonials simultaneously with their tenders.
 - i. A Certificate to establish that the tenderer is an independent contractor working on his own
 - ii. At least two certificates from responsible Officers of Government of Firms of repute, regarding the tenderer's capacity to undertake and carryout the work tendered for or similar work satisfactorily.

NOTE:

- a) Copies of testimonials unless attested by a Gazetted Officer will not be accepted.
 - b) Non – Submission of the above testimonials simultaneously with the tenders may result in the tender being rejected
2. The tenders should be accompanied by a list of contracts already held by the contractor at the time of submitting the tender and giving the following particulars
 - a) Value of each contract
 - b) The balance value of work to be done on the same
 3. The tenderer is advised to obtain the tender documents in person or by a messenger duly authorized to do so. The BHARAT HEAVY ELECTRICALS LIMITED will not under any circumstances accept responsibility for the non – receipt of delay in the receipt of the tender documents by the tender.
 4. Rate for each item of the tender schedule should be quoted in FIGURES and in WORDS. In case of any difference in the rates quoted in figures and in words, the lower of the two rates will be taken as the tendered rate. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any arithmetic deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
 5. The item rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, roads, revenue expenses, overheads, profits & all other incidentals etc., complete.

The rate quoted shall not include service tax. However the service tax as applicable for this contract work can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. The contractor has to submit the service tax payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.

The L1 position based on the quoted values (subject to calculations) excluding service tax, will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the service tax criteria for the vendors who had participated in the tender. In case of non-applicability of service tax, the contractor has to submit a declaration along with the tender documents.

6. Should a tender find discrepancies or omissions in the drawings or any of the tender documents or should be in doubt as to their meaning, he should at once address the authority inviting the tender for clarification. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful tenderer shall take upon himself to provide for the risk of any error which may be subsequently by discovered and shall make no subsequent claim on account thereof.
7. Tenders submitted by post should be sent "Registered Post with Acknowledgement due". These should be posted with due allowance for any delay in postal delivery. Tenders received after the due date and time of opening, tenders are liable to be rejected.
8. Where the tender called for covers only the building work and excludes internal services such as sanitary and water supply installations, electrification etc., the building contractor will have to leave pockets, holes,

etc., as required for other works and will have to phase his work to ensure smooth progress of the work of the other agencies also as directed by the Engineer – in – charge.

9. Where the tender schedule contains special items of work such special floor finishes, foam concrete for insulation, special water proofing treatment to roofs etc., it will be entirely at the discretion of the Project Authorities to allot these items of work to other contractors specialized in these works. In such cases, the main building Contractor will have to tender all necessary co-operation to the agencies involved so as to ensure the smooth progress of all work.
10. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the tenderer. The scheduled period of completion for this work will be as mentioned in page No. 01, and the Contractor will have to plan his work accordingly.
11. Generally, the maintenance period for any work under BHEL organization will be SIX (6) MONTHS.

12. Earnest Money Deposit:

Earnest Money is to be paid by each tenderer to ensure that the tenderer does not refuse to execute the work after it is awarded to him. Shall also be furnished in the form of Pay Order or Demand Draft in favour of BHEL, EMD in any other form will not be accepted. The rate of earnest money deposit shall be as under:

Works costing up to Rs. 2 Lakhs	- NIL -
Works costing more than Rs. 2 Lakh and up to Rs. 5 Lakhs	Rs. 10,000/-
Works costing more than Rs. 5 Lakhs and up to Rs.10 Lakhs	Rs. 20,000/-
Works costing more than Rs.10 Lakhs and up to Rs.20 Lakhs	Rs. 40,000/-
Works costing more than Rs. 20 Lakhs and up to Rs.30 Lakhs	Rs. 60,000/-
Works costing more than Rs. 30 Lakhs and up to Rs.50 Lakhs	Rs. 1,00,000/-
Works costing more than Rs. 50 Lakhs and up to Rs.100 Lakhs	Rs. 1,50,000/-
Works costing more than Rs. 100 Lakhs	Rs. 2,00,000/-

One time EMD will also be **Rs. 2 Lakhs**.

EMD by the Tenderer will be forfeited if,

- a) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates.
 - b) The tenderer does not commence the work within the period as per LOI / Contract. In case the
 - c) LOI / contract is silent in this regard then within 15 days after award of contract.
 - d) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.
 - e) EMD shall not carry any interest.
13. Should a tenderer or a contractor on the list of approved Contractors have a relative, or in the case of a firm or Company of contractors any of its shareholders or shareholder's relative, employed in a gazetted capacity in the Engineering Department of the Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender, may be disqualified or if such fact subsequently comes to light, the contract may be rescinded in accordance with the relevant provisions in the General Conditions of Contract.
 14. If tenderer expires after the submission of his tender or after the acceptance of his tender the BHEL may, at their discretion, cancel such tender. If a partner of a firm expires after submission of tender or after the acceptance of the Tender, BHEL may cancel such Tender at their discretion unless the firm retain its character.
 15. The Bharat Heavy Electricals Limited will not be bound by any power of attorney granted by the tenderer or by changes in the composition of firm made subsequent to the execution of the contract. They may however recognize such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.

16. If the tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the Bharat heavy Electricals Limited, reserves the right to reject such tender at any stage.
17. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
18. The expenses for completing and stamping the agreement shall be paid by the contractor.
19. The General and special conditions are complementary to each other and where they are conflict the Special Conditions shall prevail. In regard to matters not covered by the General and Special Conditions of Contract, those contained in the Tamil Nadu Building Practice Standard Specifications or other specifications approved by the Bharat Heavy Limited, Shall apply.
20. Tenderers shall not increase their quoted rate in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rate. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tenderers for a period of three months from the date of opening of tenders.
21. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
22. All contractors will have to produce Income tax Clearance Certificate from the Income Tax– Officer concerned along with their tenders. Those Contractors whose income is not taxable will be required to give an affidavit of their income on the prescribed form. If the successful tenderer fails to produce the Income – tax clearance certificate within the stated period the Earnest Money Deposit and Security Deposit of the tenderer may be forfeited and the contract terminated.

TENDER NOTICE

NAME OF WORK: Improvements to Electrification in Public Buildings in BHEL Township.

ESTIMATED COST: Rs. 15.87 Lakhs

1. SEALED TENDERS for the above noted work are hereby invited from contractor experienced in works of similar kind and magnitude. Tenders will be received by **DGM / CIVIL / PLANNING / (F&T), 53 Building** Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. Up to 14.00 hrs. on **29.06.2016** and will be opened on the same day at 14.00 hrs. at the Office of the **DGM / CIVIL / PLANNING / (F&T), Building 53**, in the presence of such of those tenderers. Or their agents who may choose to attend.
2. TENDER FORMS and other particulars regarding the proposed work can be obtained on any working day from 8.00 A.M. to 4.30 P.M. up to **28.06.2016** on payment of the prescribed sum of **Rs.750/** - per set (including Sales Tax) Amount not refundable.
3. TENDERS must be submitted in sealed covers and should be addressed to **DGM / CIVIL / PLANNING / (F&T), Building 53**, with full name and address of the tenderer and the name of work being noted on the cover.
4. All entries in the tender documents should be in one ink. Erasures and over writings are not permitted. All cancellations and insertions should be duly signed by the tenderer concerned.
5. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to before submitting their tender.
6. UNIT rate should be quoted in figures as well as in words with reference to each item and for all the items shown in the attached schedule. These rates shall be for the finished work in site. Amount of each item and the total page by page and also the grand total amount of the whole contract should be filled in by the tenderers. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
7. QUANTITIES shown in the attached schedule are only approximate and are liable to variation without entitling the contractors to any variation in the Quoted rates till the total value of the Contract does not vary by more than 20% (twenty percent)
8. In quoting their rates, the tenderers are advised to take account all factors including any fluctuations in the market rates etc. No claim will be entertained on this account after acceptance of the tender or during the currency of the contract.
9. Before tendering, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevalent conditions position of materials and labour, General and Special Conditions of Contract. Instructions to tenders, drawings and Specifications and all other documents which form part of the Agreements to be entered into.
10. The rate quoted in the tender shall remain valid for a period **THREE MONTHS** from the date of opening of tenders.
11. In the event of tender being submitted by firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of attorney on behalf of the firm concerned in the latter case a copy of the power of attorney duly attested by a Gazetted Officer must accompany the tender.
12. Every tender must be accompanied with EMD for the amount as mentioned in "Instruction to Tenderers". This Earnest Money will be refunded to the unsuccessful tenderers within fifteen days of finalization of the award of work. In case of the successful tenderer, the Earnest Money will be retained as part of the

Security Deposit for satisfactory completion of the work in accordance with Clause 16 of the General Conditions of Contract

NOTE: Cheques, Currency Notes and Money Orders will not be accepted in lieu of the deposit receipt referred to above.

13. Security Deposit

13.1 Security Deposit should be collected from the successful tenderer. The rate of Security Deposit will be as below:

Up to Rs. 10 lakhs	:	10%
Above Rs. 10 lakhs up to Rs.50 lakhs	:	Rs.1 lakh + 7.5% of the amount exceeding Rs. 10 lakhs.
Above Rs. 50 lakhs	:	Rs.4 lakhs + 5% of the amount exceeding Rs. 50 lakhs.

50% of the Security Deposit should be furnished before start of the work by the contractor.

The security Deposit has to be furnished by the contractor before commencement of the work. Failing which the interest rate decided by BHEL shall be recovered for the period of default.

13.2 Security Deposit may be furnished in any one of the following forms

- i. Cash (as permissible under the Income Tax Act)
- ii. Pay Order, Demand Draft in favour of BHEL.
- iii. Local cheques of scheduled banks, subject to realization.
- iv. Securities available from Post Offices such as National Savings Certificates, Kisan Vikas Patras etc. (Certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
- v. Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- vi. Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii. Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.
- viii. EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- ix. The security deposit shall not carry any interest.

NOTE: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

14. Unless the contractor whose tender is accepted signs the Contract Agreements and makes the necessary security deposit specified in Para 13 above within Seven days of the date of the order directing him to do

so the amount of Earnest Money Deposit already deposited by him will be forfeited and acceptance of his tender withdrawn.

15. After tender opening if tenderer revokes his tender or increases his earlier quoted percentage rate or after acceptance of his tender does not commence the work in accordance with the instruction of the Engineer-in-charge, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn. If only a part of the work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.
16. The Bharat Heavy Electricals Limited reserved the right to reject any or all the received or accept any tender or part thereof without assigning any reason thereof. In the case acceptance of part of tender, time for completion may also be reduced to the extent considered appropriate by the Accepting Authority.
17. Conditional and Un witnessed tenders, tender containing absurd rates and amounts tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable to be rejected.
18. Tenders not submitted on the prescribed form are liable to be rejected.
19. The work must be completed within a period as mentioned in Notice Inviting Tender.
20. The Chairman / General Manger / Deputy General Manager / Deputy Manager / Senior Engineer shall be Accepting Officer, herein after referred to as such for the purpose of this contract.
21. This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.
22. The tenderers are advised to go through the condition stipulated in Tender document & code of conduct for 'Health & Safety of Contract Labourer' in details. Any violation thereof will invite punitive action being taken against them. While quoting the rate all the above factors are to be taken into account.

ISSUING OFFICER

CONTRACTOR

ACCEPTING OFFICER

SCHEDULE 'A'
LIST OF WORKS AND PRICES

NAME OF WORK: Improvements to Electrification in Public Buildings in BHEL Township.

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the corresponding rate quoted by the contractor in the BILL OF QUANTITIES

Sl. No.	Description of work / supplied	Total amount of work / supplies (in figures and words)		Period of contract
		Rs.	Ps.	
1.	Improvements to Electrification in Public Buildings in BHEL Township.	Rs. 15.87 Lakhs (Rupees Fifteen Lakhs and Eighty Seven Thousand only)		12 (TWELVE) MONTHS

ANNEXURE TO SCHEDULE - A

BILL OF QUANTITIES

Sl. No.	Appx. Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words)	Amount	
					Rs.	Ps.

AS PER SEPARATE SHEETS ATTACHED CONTAINING **11** PAGES

FROM SERIAL No. **15 to 25**

CONTRACTOR

14

ACCEPTING OFFICER

**BHEL / TRICHY-620 014
CIVIL ENGINEERING DEPARTMENT-TOWNSHIP**

BILL OF QUANTITIES

Name of work: Improvements to Electrification in Public Buildings in BHEL Township

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
10	150	Supply and wiring with 1.5 sqmm PVC multistrand copper conductor cable 18 / 20 / 25 mm dia. 1.8 – 2mm thick PVC conduit pipe for ceiling fan / light including 1 No. 6A flush type (FT) switch 4" x 4" TW box with 3 mm hylam sheet cover and 1 No. 3 plate ceiling rose on a TW round block and continuous run of No. 14 SWG GI wire.		Point	
20	300	Supply and fixing 1 No. flush type 5/6 amps 5 pin socket with 1 No. 5/6 amps flush type switch control for 5/6 amps 5 pin socket on a hylam sheet covered TW box of size 4" x 4" with continuous run of No.14 SWG GI wire with necessary inter connections.		Point	
30	80	Supply and fixing 1 No. of flush type 5/6 amps 5 pin socket with 1 No. of 5/6 amps flush type switch control for 5/6 amps 5 pin socket in the existing switch board with continuous run of 14 SWG GI wire with necessary inter connections.		Point	
40	875	Supply and wiring with two runs of 4 sqmm PVC multistrand copper conductor cable in 18 / 20 / 25 mm dia. of 1.8 – 2mm thick PVC conduit pipe on wall with continuous run of No. 14 SWG GI Wire.		Metre	
50	50	Supply and fixing 1 No. of flush type 15 / 16 / 20 amps 6 pin socket with 1 No. of 15 / 16 / 20 amps single pole flush type switch control on a hylam sheet cover 8" x 6" TW box with necessary interconnections with continuous run of No.14 SWG GI wire.		Point	
60	200	Supply and wiring with two runs of 2.5 sq.mm PVC multistrand copper conductor cable in 18 / 20 / 25 mm dia, PVC conduit pipe on wall with continuous run of No. 14 SWG GI wire.		Metre	

CONTRACTOR

15

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
70	1	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	
80	20	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. 3 ½ core 25 Sq.mm		Metre	
90	20	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. 3 ½ core 35 Sq.mm		Metre	
100	20	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 50 Sq.mm		Metre	
110	400	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 & 16 Sq.mm.		Metre	
120	500	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 & 35 Sq.mm.		Metre	

CONTRACTOR

16

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
130	250	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.		Metre	
140	200	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.		Metre	
150	60	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 / 225 Sq.mm.		Metre	
160	30	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 & 16 Sq.mm.		Each	
170	30	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 & 50 Sq.mm.		Each	
180	10	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.		Each	

CONTRACTOR

17

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
190	6	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 / 225 Sq.mm.		Each	
200	5	Supply and fixing of water tight metal bulk head fitting with lamp holder, guard, glass, 60W bulb etc., complete.		Each	
210	50	Supply and fixing of GENELEC / CROMPTON / BAJAJ patti fitting with 1 No. 40W fluorescent lamp on wall / ceiling using TW / PVC round blocks.		Each	
220	3	Supply and fixing weather proof metre box of size 50 x 40 x 20 CM (approx.) with hinged doors made up of 18 Gauge GI Sheet to accommodate metre board with peep through glass for metre reading, locking and metre card pocket arrangements etc., complete.		Set	
230	1	Supply and fixing weather proof metre box of size 70 x 59 x 30 CM (approx.) with hinged doors made up of 18 Gauge GI Sheet to accommodate metre board with peep through glass for metre reading, locking and metre card pocket arrangements etc., complete.		Set	
240	6	Supply and fixing of 2 Nos. of TW plank of size 350 x 210 x 16 mm with suitable angle iron frame work on wall to accommodate energy metre, cut-out and SPN main switch as per EB std. code of practice. Metre box, metre, metal clad switches to be earthed by GI wire including supply & fixing 1 No. of 32 amps rewirable fuse unit.		Set	
250	1	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 metre, cut-out and TPN main switch including supply and fixing of 3 Nos. of 63 amps rewirable fuse unit. Metal clad switches, metre box, metre, should be earthed by No. 14 SWG GI Wire.		Set	

CONTRACTOR

18

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
260	6	Supply and fixing Gem / Havells / Standard 32 A metal clad double pole switch fuse on the existing TW plank / MS Sheet. Switch should be earthed by No. 14 SWG GI wire.		Each	
270	30	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.		Each	
280	10	Supply and fixing 32 A metal clad TPN switch fuse of Gem / Havells / Standard on GI Sheet / Panel / wall with suitable arrangement. Switch should be earthed by No. 14 SWG GI wire.		Each	
290	2	Supply and fixing of 1 No. 15 / 16 / 20 amps 6 way 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	
300	20	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	
310	15	Supply and erection of earth electrode using 40 mm dia G.I pipe 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 GI pipe, masonry chamber, RCC cover, all in general conforming to IS 3043.		Each	
320	150	Supply and laying of No. 8 SWG GI wire for earthing.		Metre	
330	100	End termination of overhead service and over head line and necessary connection in the energy metre as well as aerial fuse / directly to the bare conductor.		Set	

CONTRACTOR

19

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
340	1	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	
350	3	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 bus bar of suitable length including supply and fixing the following switches. Identification of all inlets and outlets, location, details etc. by painting. 1) 125 Amps 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 of each fuse. All the switches are to be earthed with No. 8 SWG GI wire.		Set	
360	1	Supply and fixing 125 A 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	
370	100	Labour charges for removing and refixing of the lighting fixtures such as tube light fitting, MV / SV lamp fitting etc.,		Each	
380	3	Supply and fixing 200 x200 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 and bolts and nuts.		Set	
390	10	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	

CONTRACTOR

20

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
400	10	Supply and fixing of down rod with ball and socket for fluorescent tube light fitting for a length of 70 / 75 cm.		Set	
410	10	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.		Each	
420	5	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		Each	
430	30	Supply and fixing of 32 Amps SPN MCB industrial type plug and socket with 16 / 32 Amps MCB control on MS box for A/C provision.		Each	
440	40	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.		Each	
450	5	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 Sq.mm Armoured Alu. Cable.		Each	
460	20	Removal of the existing O.H service line connection complete set with EB coordination and return to stores in rolled condition.		Set	
470	300	Labour charges for removing the Halogen lamp 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.		Each	

CONTRACTOR

21

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
480	360	Supply and stringing of four wire three phase OH service line with 4 sq.mm 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.		Metre	
490	20	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.		Metre	
500	5	Supply and fixing of 2 Nos. of TW plank of size 480 x 240 x 16 mm 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 / ANCHOR / HAVELLS) switch.		Set	
510	30	Supply and wiring with four runs of 4 sq.mm PVC multistrand copper cable in the existing GI / PVC pipe.		Metre	
520	5	Supply and fixing of 3 Nos. 32A porcelain fuse unit fixed on suitable wooden plank for aerial fuse.		Set	
530	20	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 MCB 20 A (Havells / Indo Asian) - 4 Nos.		Set	
540	3	Supply and fixing of 50 x 50 x 6 mm MS angle of length 450 mm on wall for EB Service Line.		Each	

CONTRACTOR

22

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
550	4	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	
560	100	Supply and laying of No. 12 SWG GI wire for earthing.		Metre	
570	1	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	
580	190	Supply and fixing of box type 4 ft, 36 W FTL fitting with 1 No. 4ft, 36W tube. (Bajaj, Crompton, Philips)		Set	
590	1	Supply and fixing cluster type two step decorative chandelier type fitting with 15 Nos. 40W bulb.		Set	
600	4	Supply and fixing of mirror fittings Crompton / Philips make fitting white colour with a 14W CFL bulb.		Set	
610	4	Supply and fixing of mini surface mounting fitting-Type TLE 211 Crompton Greaves make with 2 Nos. 11W CFL Lamp.		Set	
620	30	Supply and fixing of MS fan down rod pipe of 20mm dia 2mm thick with 1 metre length.		Each	
630	6	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.		Point	
640	6	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.		Each	

CONTRACTOR

23

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
650	2	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.		Each	
660	2	Supply and fixing of Fan Step Regulator modular type with suitable metal box, front plate, inter connection etc.		Each	
670	2	Supply and fixing of 1 No modular type bell push switch for annunciator with suitable metal box, front plate inter connection etc. complete.		Each	
680	2000	Supply and wiring with three runs of 2.5 sq.mm PVC insulated multi strand copper conductor cable in 18 / 20 / 25 mm dia 1.8 – 2 mm thick PVC conduit pipe in concealed. (Brand : Kundan / Finolex)		Metre	
690	600	Supply and wiring with three runs of 1.5 Sq.mm PVC insulated multi strand copper conductor cable in 18 / 20 / 25 mm dia 1.8 – 2mm thick PVC conduit pipe in concealed. (Brand: Kundan / Finolex).		Metre	
700	300	Dismantling the plastering and the 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.		Metre	
710	1	Supply and fixing Philips decorative CFL luminaire (Type FL 800 / 320) for wall mounting with polycarbonate rings, thermo set plastic lamp holder, including supply of 1 x 20 Watts Ecotone / ambience Décor Lamp.		Set	
720	1	Supply and fixing Crompton Greaves Paralite louvere of model CRFQ 11336 / P5 with 3 x 36 W CFL decorative recessed mirror optic luminaire comprising bright anodized aluminium reflector and P5 paralite louvers.		Set	
730	4	Supply and fixing Crompton Greaves AKTIV-TAK 36XB fitting with 1 x 36 W CFL and CRCA stripe type luminaire in epoxy powder coated finish and decorative click fit Engineering plastic end caps.		Set	

CONTRACTOR

24

ACCEPTING OFFICER

Sl.No	Qty	Description of work	Rate (in figures & words) (Rs.)	Unit	Amount in Rs.
740	4	Supply and fixing of Crompton Greaves light line luminaire of model T5LK 1114 with 1 x 14 W T5 ultraslim T5 luminaire, decorative serrated acrylic diffuser prewired with electronic ballast etc.		Set	
750	2	Supply and fixing of Crompton make DDLV11 / 15W / 10BC lamp fitting in the false ceiling including supply of 1 No. 15W. CFL.		Set	
760	700	Supply and wiring with 1.5 Sqmm PVC multistrand copper conductor cable in 18 / 20 / 25 mm dia. 1.8 – 2 mm thick PVC conduit pipe for light / fan including providing 1 no. 6 A flush type switch in 4" x 4" TW box with 3mm hylam sheet covered and ceiling rose / angle holder (Make : Kundan / Lisha)		Point	
770	10	Supply and fixing Crompton Greaves DDLH 213 / eb / N6 recessed mounted down light with bright anodized aluminium reflector and integral control gear including supply of 2 x 13 W CFL Lamps with electronic ballast for each lamps with all accessories.		Set	
780	10	Supply and fixing TPN 8 WAY MCB distribution board with double door sheet steel enclosure with detachable gland plates for flush / surface mounting with bus bars, 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 32 Amps single pole – Type C - MCB c) 12 nos. of 16 Amps single pole – Type C – MCB		Set	

TOTAL (Rs.)

(Rupees	only)
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CONTRACTOR

25

ACCEPTING OFFICER

SCHEDULE 'B'

1. The following materials will be issued FREE of cost to contractor at BHEL Stores / Stock yard.

SI.No.	DESCRIPTION	PLACE OF ISSUE
1	Cable AA UG cable	BHEL STORES or Stock yard

2. It will be the responsibility of the Contractor to submit his demands for the above stores in writing at least seven days in advance of the actual requirement.
3. Issue of Stores is subject to the availability at the place of issue cited above, items of stores to be issued by BHEL which are not available at the time of indenting by the contractor may be supplied by BHEL after necessary procurement. The contractor shall not be entitled to any claim of compensation for delay in the supply of stores by BHEL under any circumstances.
4. The materials will be issued only during the working hours of the BHEL Stores Department (8.00 a.m. to 4.30 p.m.). Contractor shall have to transport them as soon as they are issued to him to the site of work at his own cost.
5. The steel materials if issued will be in random lengths and sizes as stocked by the BHEL and the cost of all cutting, conversion, substitution and fabrication as well as wastage shall have to be borne by the Contractor.
6. The contractor shall from time to time render proper account of all materials issued to him by BHEL. If he fails to do so, no further issue of materials will be made to him and he will be held responsible for any delay in the execution of the work which may occur on this account.
7. Where A.C. Sheets and accessories, Doors, Windows, Sanitary fittings, Special glasses or other items are issued free of cost to the contractor, the contractor will have to make good at his own cost any loss or damage to any part or whole of the items issued to him as above. All wastage within the premises limits as fixed by BHEL will be charged for at the prescribed issued rates of BHEL. Excess wastage will be charged for at punitive rates which will be 100% higher than the issue rates.
8. All surplus materials in good condition which are not returned to the BHEL Stores as also quantities of materials consumed in excess of the max. Permissible limit as fixed by BHEL shall be charged for at punitive rates.

The decision of the Senior Engineer / Dy. Manager / Manager as to the extent to which materials have been rendered surplus or consumed in excess of the actual requirements shall be final and conclusive and binding on the contractor.

SCHEDULE 'C'

ISSUE OF TOOLS AND PLANTS TO CONTRACTORS

Sl. No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	Remarks
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.....Nil.....

- a. Machineries shall not be operated over time without the written permission of the Sr. Engineer / Dy. Manager / Manager.
- b. All Coolies, Watermen etc., required in addition to BHEL crew mentioned in column 4 above shall be arranged by the contractor at his own expense.

SCHEDULE 'D'

NOTE: All Drawings are to be signed by the Contractor as well as the officer entering into contract.

SL. No.	DRAWING NUMBER	DESCRIPTION
---	----	----NIL----

SCHEDULE 'E'

LEAD STATEMENT

Sl. No.	Name of Material	Name of Source	Lead Particulars both for Factory and Township
1	AA UG cable	BHEL	10 km

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

AUTHORITY TO TENDER

Tender Notice No. **CT: TN: 04 / 16 - 17**

Office of the
DGM/ CIVIL / PLANNING (F&T), 53 Building,
BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHY – 14.

Tender Schedule No. **CT: TS: 012 / 16 - 17**

Item rate tender for work required in **Improvements to Electrification in Public Buildings, BHEL Township.**

Messrs / Mr.

.....are / is hereby authorized to tender for the above work. The Tender is to be delivered at the Office of the **DGM / CIVIL / PLANNING (F&T), 53 Building**, Bharat Heavy Electricals Limited, Thiruverumbur, Tiruchirappalli – 620 014, **up to 14.00 hrs. on 29.06.2016** superscribing the name of work as mentioned above.

Any correspondence concerning this tender should be addressed as indicated above quoting the Tender Notice, Schedule No. and other relevant particulars.

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

Issuing Officer with
Designation

Contract Agreement No.....

TENDER

To

DGM/ CIVIL / PLANNING (F&T), 53 Building
Bharat Heavy Electricals Limited
Unit: Tiruverumbur
TIRUCHIRAPPALLI – 620 014.

I / We hereby offer to carry out the work of **Improvements to Electrification in Public Buildings, BHEL Township.**

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

- 1. Specifications (General & Particular)
- ~~2. Drawings~~
- 3. Schedule 'A', 'B', 'C', 'D' & 'E'
- ~~4. Schedule of 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 & conditions contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities annexure thereto and to carry out such deviations as may be ordered, vide conditions 6 of the BHEL Ltd., General Conditions of Contract up to a maximum of 20% of the tendered amount 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.

GENERAL SUMMARY

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

Rupees.....
.....
.....

Shri..... in
the capacity of
has been duly authorized by me / us 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

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

.....the said officer 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 here).

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 percentage rates as indicated in Schedule 'A'.

SignatureDate.....

Designation