

**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 in BHEL Township.

**Value of work** : Rs. 16.49 Lakhs

**Tender Notice No.** : CT: TN:05 / 17 -18

**Tender Schedule No.** : CT: TS:05 / 17 - 18

**Period of Contract** : 15 ( Fifteen) Months

**EMD** : Rs. 33,000/-

**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 in BHEL Township.**  
**Value of Work: Rs.16.49 Lakhs    Period of Contract: 15 (FIFTEEN) Months**

1. 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 **15 months**, the works shall be completed progressively and handed over as per agreed split up schedule.
2. The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.
3. The following eligibility criteria shall be complied to fulfill the Qualification Bid:-

**i)The tenderer should have ESI, EPF, PAN, Goods,Service Tax Registration No., proof of having submitted IT returns acknowledged by IT office, Profit & Loss account and balance sheets certified by the auditor for the three financial years (2013-14, 2014-15 & 2015-16)**

**ii)Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.**

**iii)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**

**a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost.**

(or)

**b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost.**

(or)

**c. One similar completed work costing not less than the amount equal to 80% of the estimated cost.**

**Similar work means Electrification / Electrical works**

**iv)Valid Electrical EA / ESB / EB Licence in the name of contractor from competent authority**

**v) Latest Solvency certificate (obtained within 6 months from the date of tender opening) from Nationalised / Scheduled Bank shall be at least for a value of 40 % of the estimated cost.**

4. The works executed in the own name of the tenderer only will be considered for eligibility criteria.
5. Dissimilar / irrelevant works will not be considered for eligibility criteria.
6. Tender Value is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract does not vary more than 20%. The contractor has to execute any item of work irrespective of the quantity available in the tender without any reservation till the contract value does not vary more than 20%.
7. **Quoted percentage rate for all items shall be firm throughout the contract period of 15 (Fifteen) months including extended period if any and no cost escalation is allowed on any account.**
8. The works executed in the own name of the tenderer only will be considered for eligibility criteria. The nominated committee may also visit the works executed by the contractor / tenderer to ascertain the nature of work relating to similar works before qualifying.

**9. New Taxes / Levies**

In case the Government imposes any new levy / tax on the output service / goods / work after award of the contract, the same shall be reimbursed by BHEL at actual. In case any new tax / levy /

duty etc. becomes applicable after the date of Bidder's offer, the Bidder / Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same **before opening of Price Bid**. Claim for any such impact after opening the Price Bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.

After award of work the contractor has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Tender Document. Also it is to be noted that after award of work the contractor has to furnish 50 % of security deposit before the commencement of work.

For any clarification on the tender document, the bidder may seek the same in writing or through email, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.

10. Documentary evidences (Xerox copies – Gazetted officer attested & self-attested) for turnover, works experience, EPF, ESI, Goods, Service tax and Balance sheet, Profit & Loss account & IT returns for the last three years etc., all as required & indicated in the tender document should be furnished, without which it will not be taken into account. The tenderers shall produce original document for verification if so decided by BHEL.

In the event of any conflict between requirement of any clause of this specification / documents / drawings / data sheets etc. or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error / missing pages / other clerical errors in the tender documents, noticed must be pointed out before submission of offer, else BHEL's interpretation shall prevail.

#### **Order of Precedence**

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

- a. Amendments / Clarifications / Corrigenda / Errata etc issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid
- d. Qualification Bid
- e. General Conditions of Contract

The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.

11. The value of turnover and the value of similar works mentioned include materials supplied.
12. The norms for qualification is attached in the Qualification Bid Document.
13. 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).
14. 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. If, in case of opening of price bids, when there is a Tie in the percentage rates quoted by the tenderers, the ranking will be decided based on Lot System, in the presence of the bidders who witness the price bid opening.
15. The offers of the tenderer / bidders who are on the banned list and also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site ([www.bhel.com](http://www.bhel.com) → Tender Notification → List of Banned Firms )
16. BHEL reserves its right to reject the tender on account of unsatisfactory past performance by the present tenderer in another project / sister unit awarded under different enquiry.

17. Documents submitted along with the offer shall be duly signed and stamped in each page by bidder/authorized representative of the bidder.
18. The works executed in the own name of the tenderer only will be considered for eligibility criteria.. **The nominated committee may also visit the works executed by the contractor / tenderer to ascertain the nature of work relating to similar works before qualifying.**
19. **The offers of the tenderer / bidders who are on the banned list and also the offer of the bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site (www.bhel.com ---> Tender Notification - List of Banned Firms )**
20. No advance / mobilization advance will be given and the part payment or advance for raw materials brought by the successful tenderer will not be paid. Payment will be made only for the quantities actually executed for a finished item of work as measured and accepted finally. No separate payment will be paid for invisible and visible wastage and scrap materials. No advance payment will be made. No part payment will be made.
21. The successful tenderer has to raise invoice in running bills based on the measurements written in the Measurement Book.
22. Tenderers are requested to furnish the duly filled in E format (attached as separate in the Qualification Bid) sheet along with a cancelled cheque leaf to accept Electronic Fund Transfer / R T G S transfer for any payment from BHEL, Trichy.
23. The percentage 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 Goods,service tax. However the Goods 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 Goods,service tax payment challan as a documentary proof of having paid the Goods service tax for the previous bill for which he has received the Goods service tax payment along with the subsequent bill for which payment has to be processed.
24. 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.
25. 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.

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

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 single common percentage both in figures and in words for all the items given in the Bill of Quantities provided in the Price Bid.** The Price Bid cover shall contain price bid document duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rate in Percentage Below (100-X) % / At par (100%) / Above (100+X) % of the rates provided in Bill of Quantities appended from **Page 20 to 30** in Price bid.

26. 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.
27. **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.**
28. 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.

29. 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%.
30. 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.
31. 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.
32. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
33. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
34. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex including biometric system.
35. The workmen to be deployed by the contractor shall adhere to the safety / security rules and regulations of the Company and any person who is found to be violating the security / safety rules of the company shall be replaced immediately at the cost of the contractor.
36. The contractor shall strictly adhere to various labour laws in force.
37. If any of the workers employed by the contractor is found to indulge in acts subversive of discipline, the same will be brought to the knowledge of the contractor and he shall arrange for replacement of such personnel.
38. 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.
39. The contractor has to carry out all the works on all days except Sundays and BHEL holidays under normal circumstances. However sweeping of all shop floors has to be done in Sundays and BHEL holidays, if required.
40. Contractor/Authorized representative must be present at site to supervise the activities on day-to-day basis and for giving necessary instructions regarding the work to be carried out.
41. Bank Guarantee format for security deposit is enclosed in qualification bid to be used by the successful tenderer. The bank guarantee bond (BG) is to be submitted by the successful tenderer on non judicial stamp paper of Rs100/- and should be only from any one of the banks as per the list of consortium banks in India enclosed in the qualification bid.
42. 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.
43. 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.
44. The contractor should establish his own site office, fabrication yard, handling facility, storage facility to stock department supply materials at his own arrangement.
45. 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:
 

Min of Supervisor (Diploma Holder)	- 1 No.
Min of Wireman/Electrician	- 2 No's
46. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
47. 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.

48. 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.
49. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex including bio-metric system.
50. Exclusive Stores personnel should be engaged who would coordinate with department official for clearance and collection of BHEL supplied materials required for works.
51. 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.
52. 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.
53. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
54. 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.
55. 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.
56. 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.
57. **The contractor should use only the materials of brand and quality as approved by BHEL.**
58. All materials and consumables brought by the contractor should have manufacturer's certificate.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
67. No advance / mobilization advance will be given.
68. LD / Penalty clause is applicable as per General Conditions of Contract in force.
69. 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.

70. 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.11)  
Normally the revision will be with effect from 1<sup>st</sup> April of every year. Tenderers are requested to quote their offer after taking into account of the above factor also.

71. 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.

Important Note:

**"The contractor has to disburse the salary/wages for their workmen preferably through Bank. If wages are paid through Banking channel, the relevant Bank statement/proof for Bank payment should also be produced along with PF and ESI challans to Welfare Section every month."**

72. Any claim or dispute arising from the tender stage, till/after completion of the work under the terms and conditions stipulated in the tender document/contract agreement shall only be enforced or settled in the courts at Tiruchirappalli, TamilNadu only.

73. **Force Majeure clause:** If at any time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by BHEL subject to prompt notification by the tenderer to BHEL of the particulars of the events and supply to the BHEL if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

74. The correspondence exchanged against the tender from both tenderer and BHEL through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

75. Any transaction pertaining to the tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

76. In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the bidder the LOI is said to have been issued within the validity period and shall be binding on both the parties to the business.

77. Tenderers participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the offer then it will be construed that the subject bidder is not under any such hold. But at a later date if it comes to the notice of BHEL about any such hold under enforcement on the subject bidder, BHEL will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalisation of the subject tender irrespective of the status of the subject bidder in that tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any on going tenders even if participated till the hold is officially lifted and confirmed in writing.

78.If, in case of opening of price bids, when there is a Tie in the percentage rates quoted by the tenderers, the ranking will be decided based on Lot System, in the presence of the bidders who witness the price bid opening.

79.MSE vendors can avail EMD / Tender Document cost waiver benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format shown below).

**Tenders without EMD / Tender Document cost / MSME proof will be summarily rejected.**

**Certificate by Chartered Accountant on letter head**

This is to certify that M/s. \_\_\_\_\_ (hereinafter referred to as "company") having its registered office at \_\_\_\_\_ is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part II)) \_\_\_\_\_ dtd. \_\_\_\_\_, Category :\_\_\_\_( Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year \_\_\_\_\_ as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006):  
` \_\_\_\_\_ Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act 2006):  
` \_\_\_\_\_ Lacs

**(Strike off whichever is not applicable)**

The above investment of ` \_\_\_\_\_ Lacs is within permissible limit of ` \_\_\_\_\_ Lacs for \_\_\_\_\_ Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro / Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is ..... (dd / mm / yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:  
(Signature)  
Name:  
Membership number:  
Seal of Chartered Accountant  
Place:  
Date:

The bidder along with its associate/ collaborators / sub contractors / sub vendors / consultants / service providers shall strictly adhere to BHEL fraud prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of the management about any fraud or suspected fraud as soon as it comes to their notice

1. **Deviations**

The contractor shall not make any alteration in addition to or omission from the work as described in the tender documents except in pursuance of the written instructions of the Engineer-in-charge. No such deviation from the work described in the tender documents shall be valid unless the same has been specifically confirmed and accepted by the Accepting Officer in writing and incorporated in the contract.

The Accepting Officer may deviate either by way of addition or deduction, from the work so described, provided that the contract sum be not thereby varied on the whole by more than the percentage set out in the tender documents. The value of all addition and deductions will be added to, or deducted from the contract sum. Whenever the Accepting Officer intends to exercise such a right, his intention shall

specify the deviations which are to be made, the lumpsum assessment or the proposed basis of payment, the extra time allowed, if any, and the date for completion of the entire contract.

Any objection by the Contractor to any matter concerning the order shall be notified by him in writing to the Engineer-in-charge within **Seven days** from the date of such order, but under no circumstances shall the work be stopped (unless so ordered by the Engineer-in-charge) owing to differences or controversy that may arise from such an objection. In the absence of such a notification of objection by the contractor, he will be deemed to have accepted the order and the conditions stated therein. In the event of the contractor failing to agree with the Engineer-in charge regarding the terms of the proposed deviation, the objection shall be referred to the Project Manager whose decision shall be final conclusive and binding on the Contractor.

## 2. **Arbitration:**

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the Executive Director / General Manager of BHEL and if ED is unable or unwilling to act, to the sole arbitration of some other person appointed by the ED / General Manager, willing to act as such arbitrator. The cases referred to arbitration shall be other than those for which the decision of the Manager / Senior Engineer / Engineer-in-charge is expressed in the contract to be final and conclusive.

There will be no objection if the arbitrator so appointed is an employee of B.H.E.L and that he had to deal with the matters to which the contract relates and that in the course of his duties as such he had expressed views on all or any of the matters in dispute or difference.

The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, such Executive Director / General Manager as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

Subject as aforesaid the provision of the Arbitration & Reconciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is a term of the contract that the party involving arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The arbitrator(s) may from time to time with consent of the parties enlarge the time for making and publishing the award.

The work under the Contract shall, if reasonably possible, continue, during the arbitration proceedings and no payment due or payable, to the Contractor shall be withheld on account of such proceeding.

The Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the Parties fixing the date of first hearings.

The arbitrator shall give a separate award in respect of each dispute or difference referred to him.

The venue of arbitration shall be such place as may be fixed by the Arbitrator in his sole discretion.

The award of the arbitrator shall be final, conclusive and binding on all parties to this contract.

In the event of disputes or differences arising between one public sector enterprise and a Govt. Department or between two public sector enterprises the above stipulations shall not apply the provisions of BPE office memorandum No. BPE/CL 001/ 76MAN / 2 (1.10) 75-BPE (GM-1) dated 1<sup>st</sup> January 1976 or its amendments for arbitration shall be applicable.

Except as provided elsewhere in this Contract, in case amicable settlement is not reached between parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or in relation to interpretation of any provision of the contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Executed Director, BHEL, Trichy.

The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be such place as may be fixed by the Arbitrator in his sole discretion.

Subject to the arbitration in terms of Clause, the Courts at Trichy shall have exclusive jurisdiction over any matter arising out of or in connection with this contract.

Notwithstanding the existence or any dispute or differences and / or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in the terms of this Contract.

**In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:**

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred by either Party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the Parties to the dispute, provided, however, any Party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the parties hereto finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.”



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

**CIRCULAR**

No.BHEL: HR: WEL: MW

Date: 31.03.2017

**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. Z3/5309/2017 dated 27.03.2017 from the Commissioner of Labour, Chennai.600 006

Consequent upon the increase in Dearness Allowance payable under the Minimum Wages Act from Rs. 5196.00 to Rs.5417.00 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 01/04/2017:

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.209.00	Rs.332.00	Rs.3690.00	Rs.5417.00	Rs.9107.00
2	Semi-Skilled Worker	Rs.133.00	Rs.209.00	Rs.342.00	Rs.3990.00	Rs.5417.00	Rs.9407.00
3	Skilled Worker	Rs.139.00	Rs.209.00	Rs.348.00	Rs.4170.00	Rs.5417.00	Rs.9587.00
4	Supervisor				Rs.3956.00	Rs.5417.00	Rs.9373.00

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

*Subbar* 30/3/17

**SDGM (HR-Welfare and Recruitment)**

**Cc:**

All HR Executives  
DGM/HR/PPPU/Thirumayam  
DGM/HR/PC/Chennai  
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 in BHEL Township.**
02. Estimated Cost : **Rs. 16.49 Lakhs +applicable Goods Service Tax**
03. Earnest Money Deposit : **Rs. 33,000/-**
04. Completion Time : **15 (Fifteen) Months**  
(From the date of commencement of the work which will be reckoned from the date of handing over to the Contractor)
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 17.07.2017**
07. Date of Tender Opening : **14.00 Hrs. on 17.07.2017**
08. Maintenance Period : 6 (Six Months from the date of actual completion of the entire work and handing over to Bharat Heavy Electricals Limited)

Tender document contains **106** pages in Qualification Bid and **36** pages in Price Bid including Bill of Quantities, EFT format etc.

Issued to Messrs. / Thiru : .....

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**ISSUING OFFICER**

CONTRACTOR

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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. The common percentage Rate all items 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 percentage 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 percentage rate quoted shall not include Goods,service tax. However the Goods 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 Goods service tax payment challan as a documentary proof of having paid the goods service tax for the previous bill for which he has received the goods 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 goods service tax, will not necessarily mean L1 for a vendor, but the net liability to BHEL, after considering the goods service tax criteria for the vendors who had participated in the tender. In case of non-applicability of Goods service tax, the contractor has to submit a declaration along with the tender documents.

Tender Value is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract does not vary more than 20%. The contractor has to execute any item of work irrespective of the quantity available in the tender without any reservation till the contract value does not vary more than 20%.

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:**

12.1) EMD is to be paid by tenderers for securing fulfilment of any obligations in terms of the NIT. 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.

12.2) Rates of EMD shall be as under:

For works/ services costing upto Rs 10 Crs	2% of the estimated cost
For works/ services with costing more than Rs10 Crs	Rs. 20 lakhs plus 1% of the estimated cost over Rs 10 Crs

**12.3) Mode of Deposit:**

The EMD may be accepted only in the following forms:

- (i) Cash deposit as permissible under the extant Income Tax Act (before tender opening)
- (ii) Electronic Fund Transfer credited in BHEL account (before tender opening)
- (iii) Banker’s cheque/ Pay order/ Demand draft, in favour of BHEL ,Trichy (along with offer)

In case total EMD amount is more than Rs.20 Lakh, the amount in excess of Rs 20 lakh may be accepted in the form of Bank Guarantee from scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months.

**(Important Note: One time EMD is no more applicable for tender, as per recent corporate guidelines. Hence tenderers who had previously remitted one time EMD, also shall have to necessarily take EMD of specified amount mentioned for this tender)**

**12.4) EMD by the Tenderer will be forfeited if,**

- i) After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.
- ii) The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/ Contract.

- 12.5) EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/contractors" and forfeited/ released based on the action as determined under these guidelines.
- 12.6) EMD shall not carry any interest.
- 12.7) EMD of successful tenderer will be retained as part of Security Deposit
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.
23. If, in case of opening of price bids, when there is a Tie in the percentage rates quoted by the tenderers, the ranking will be decided based on Lot System, in the presence of the bidders who witness the price bid opening.

## TENDER NOTICE

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

**ESTIMATED COST:** Rs.16.49 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 **17.07.2017** 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 **15.07.2017** 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 of 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 The Security Deposit shall be collected from the successful tenderer. The total amount of **security deposit will be 5% of the contract value**. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.

At least 50% of the required Security Deposit, including the EMD has to be furnished by the contractor before commencement of the work.

Failing which the recovery of interest will be made at prime lending rate of SBI plus 2% 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 extant Income Tax Act)
- ii. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL
- iii. Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
- iv. Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)
- v. Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL)

**(Note: 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)**

13.3 Security Deposit can also be recovered at the rate of 10% of the gross amount progressively from each of the running bills till the total amount of the required Security Deposit is collected. 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.

(Note: In case of (a) small value contracts not exceeding Rs 20 lakhs or (b) SAS jobs, work can be started before the required Security Deposit is collected. However, payment can be released only after collection/ recovery of initial 50% Security Deposit).

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.
23. The bidder along with its associate/ collaborators/sub contractors/sub vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of the management about any fraud or suspected fraud as soon as it comes to their notice

**ISSUING OFFICER**

## SCHEDULE 'A'

### LIST OF WORKS AND PRICES

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

I / We \_\_\_\_\_ have read the condition of tender attached hereto and agree to abide by such conditions. I/We offer to execute the works in **T.S No. CT:TS:05/17-18 for a period of 15 ( Fifteen) months** at the percentage below / at par / above the rates contained in Bill of Quantities appended below **from Page 20 to 30**

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carryout all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirapalli-620 014. In case of acceptance of the tender by the BHEL, I/We bind myself/ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to me/us and thus failing which I/We shall have no objection to the forfeiture of the Earnest Money amount to **Rs.33,000/-** lodged with Bharat Heavy Electricals Limited, Tiruchirapalli-620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

**Note:** Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. 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 overall percentage quoted by the contractor **Below (100-X) % / At par (100%) / Above (100+X) %** of the rates provided in Bill of Quantities **appended below from Page 20 to 30.**

Sl. No.	Approx. Value of work	Common single percentage rate, Below (100-X) % / At par (100%) / Above (100+X) % to be quoted with respect to the rates provided in Bill of Quantities appended below from Page 20 to 30	
		In Figures	In Words
1.	Rs.16.49 Lakhs		

**Note: BHEL estimate rates are given below. Contractor has to quote Common single percentage rate, Below (100-X) % / At par (100%) / Above (100+X) % with respect to the rates provided in Bill of Quantities below at page 19 both in figures and in words.**

**BHEL / TRICHY-620 014  
CIVIL ENGINEERING DEPARTMENT-FACTORY  
BILL OF QUANTITIES**

**Name of work : IMPROVEMENTS TO ELECTRIFICATION IN PUBLIC BUILDINGS IN BHEL TOWNSHIP.**

Sl.No	Appx. Qty	Description of work	Rate in Rs	Unit	Amount in Rs.
(1)	(2)	(3)	(4)	(5)	(6)
10	188	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 3mm hylam sheet cover and 1 No. 3 plate ceiling rose on a TW round block and continuous run of No.14 SWG GI Wire.	418.00	PO	78584.00
20	375	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	110.00	PO	41250.00
30	100	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 No.14 SWG GI wire with necessary inter connections.	60.50	PO	6050.00
40	1094	Supply and wiring with two runs of 4 sq.mm 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.	94.60	M	103492.40
50	63	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 covered 8" x 6" TW box with necessary inter connections with continuous run of No.14 SWG GI wire	330.00	PO	20790.00

CONTRACTOR

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ACCEPTING OFFICER

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
60	250	Supply and wiring with two runs of 2.5 Sqmm 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	93.50	M	23375.00
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	3135.00	Set	3135.00
80	25	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 1/2 core 25 Sq.mm	154.00	M	3850.00
90	25	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 1/2 core 35 Sq.mm	165.00	M	4125.00
100	25	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) 3 1/2 core 50 Sq.mm	176.00	M	4400.00
110	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. 2/3/4 core 6,10 and 16 Sq.mm	25.30	M	12650.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
120	625	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. 3 ½ / 4 core 25 and 35 Sq.mm	25.30	M	15812.50
130	313	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. 3 ½ / 4 core 50 Sq.mm	25.30	M	7918.90
140	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. 3 ½ / 4 core 95 Sq.mm	25.30	M	6325.00
150	75	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. 3 ½ / 4 core 185 / 225 Sq.mm	25.30	M	1897.50
160	38	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	71.50	EA	2717.00
170	38	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.	77.00	EA	2926.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
180	13	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	132.00	EA	1716.00
190	8	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.	330.00	EA	2640.00
200	6	Supply and fixing of water tight metal bulk head fitting with lamp holder, guard, glass, 60 W bulb etc.complete	77.00	EA	462.00
210	63	Supply and fixing of GENELEC / CROMPTON / BAJAJ patti fitting with 1 No. 40W fluorescent lamp on wall / ceiling using TW/PVC round blocks	148.50	EA	9355.50
220	4	Supply and fixing weather proof meter box of size 50x40x20 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	220.00	Set	880.00
230	1	Supply and fixing weather proof meter box of size70x59x30 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.	352.00	Set	352.00
240	8	Supply and fixing of 2 Nos. of TW plank of size 350X210X16 mm with suitable angle iron frame work on wall to accommodate energy meter, cutout and SPN main switch as per EB std. code of practice. Meter box, meter, metal clad switches to be earthed by GI wire, including supply and fixing 1 No. of 32 amps rewirable fuse unit	1375.00	Set	11000.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
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 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.	660.00	Set	660.00
260	8	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	550.00	EA	4400.00
270	38	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	660.00	EA	25080.00
280	13	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.	715.00	EA	9295.00
290	3	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.	715.00	Set	2145.00
300	25	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	440.00	Set	11000.00
310	19	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	1320.00	EA	25080.00
320	188	Supply and laying of No. 8 SWG GI wire for earthing	9.90	M	1861.20
330	125	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.	22.00	Set	2750.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	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.	1100.00	Set	1100.00
350	4	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.	16500.00	Set	66000.00
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.	3135.00	Set	3135.00
370	125	Labour charges for removing and refixing of the lighting fixtures such as tube light fitting, MV / SV lamp fitting etc.	27.50	EA	3437.50
380	4	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.	330.00	Set	1320.00
390	13	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.	2167.00	Set	28171.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
400	13	Supply and fixing of downrod with ball and socket for fluorescent tube light fitting for a length of 70/75 cm	165.00	Set	2145.00
410	13	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	38.50	EA	500.50
420	6	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.	1320.00	EA	7920.00
430	38	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	660.00	EA	25080.00
440	50	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	33.00	EA	1650.00
450	6	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 e tc. 3.5 core 35/50 Sqmm Armoured Alu. Cable	110.00	EA	660.00
460	25	Removal of the existing O.H service line connection complete set with EB coordination and return to stores in rolled condition	13.20	Set	330.00
470	375	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.	22.00	EA	8250.00
480	450	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.	107.80	M	48510.00

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Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
490	25	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	181.50	M	4537.50
500	6	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/ANCHORHAVELLS) switch.	770.00	Set	4620.00
510	38	Supply and wiring with four runs of 4 sqmm PVC multistrand copper cable in the existing GI/PVC pipe	154.00	M	5852.00
520	6	Supply and fixing of 3 Nos. 32A porcelain fuse unit fixed on suitable wooden plank for aerial fuse.	110.00	Set	660.00
530	25	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	1650.00	Set	41250.00
540	4	Supply and fixing of 50x50x6 mm MS angle of length 450mm on wall for EB Service Line	55.00	EA	220.00
550	5	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	55.00	Set	275.00
560	125	Supply and laying of No. 12 SWG GI wire for earthing	4.40	M	550.00
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	1210.00	Set	1210.00
580	238	Supply and fixing of box type 4 ft, 36 W FTL fitting with 1No. 4ft, 36W tube. [Bajaj,Crompton,Philips].	572.00	Set	136136.00
590	1	Supply and fixing cluster type two step decorative chandler type fitting with 15 Nos. 40 W bulb	1540.00	Set	1540.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
600	5	Supply and fixing of mirror fittings Crompton / Philips make fitting white colour with a 14 W CFL bulb.	330.00	Set	1650.00
610	5	Supply and fixing of mini surface mounting fitting-Type TLE 211 Crompton Greaves make with 2 Nos. 11 W CFL Lamp.	825.00	Set	4125.00
620	38	Supply and fixing of MS fan down rod pipe of 20mm dia 2mm thick with 1 metre length	55.00	EA	2090.00
630	8	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.	561.00	PO	4488.00
640	8	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.	82.50	EA	660.00
650	3	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.	165.00	EA	495.00
660	3	Supply and fixing of Fan Step Regulator modular type with suitable metal box, front plate, inter connection etc	247.50	EA	742.50
670	3	Supply and fixing of 1 No modular type bell push switch for annunciator with suitable metal box, front plate inter connection etc. complete.	495.00	EA	1485.00
680	2500	Supply and wiring with three runs of 2.5 Sqmm PVC insulated multi strand copperconductor cable in 18 /20 / 25mm dia 1.8 to 2mm thick PVC conduit pipe in concealed.( Brand : Kundan / Finolex ).	79.20	M	198000.00
690	750	Supply and wiring with three 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 ).	66.00	M	49500.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
700	375	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.	22.00	M	8250.00
710	1	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	385.00	Set	385.00
720	1	Supply and fixing Crompton Greaves Paralite louvere of model CRFQ 11336/P5 with 3x36W CFL decorative recessed mirror optic luminaire comprising bright anodized aluminium reflector and P5 paralite louvers	2090.00	Set	2090.00
730	5	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	440.00	Set	2200.00
740	5	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.	715.00	Set	3575.00
750	3	Supply and fixing of Crompton make DDLV11 /15W/10BC lamp fitting in the falseceiling including supply of 1 No.15W. CFL.	330.00	Set	990.00
760	875	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 4inchx4inch TW box with 3mm hylam sheet covered and ceiling rose/angle holder (Make : Kundan / Lisha)	440.00	PO	385000.00
770	13	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.	363.00	Set	4719.00

Sl.No	Appx. Qty	Description of work	Rate in Rs.(both if fig and words)	Unit	Amount in Rs.
780	13	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 125Amps 4 pole MCB isolator as incomer b) 12 Nos. of 32 Amps single pole-Type C-MCB c) 12 Nos. of 16Amps single pole-Type C-MCB	10450.00	Set	135850.00
					16,49,329.00

TOTAL (Rs.) 16,49,329.00

**(Rupees Sixteen Lakh Forty Nine Thousand Three Hundred and Twenty Nine only.)**

CONTRACTOR

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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:05 / 17 - 18**

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

Tender Schedule No. **CT: TS:05 / 17 - 18**

**Item percentage rate tender** for work required in **Improvements to Electrification in Public Buildings in 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 17.07.2017** 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 in 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

CONTRACTOR

ACCEPTING OFFICER

..... 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'.

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

Designation .....