

TENDER DOCUMENT

TENDER NOTICE NO: BAP:M&S:TE:EL:12:007:DT:05.06.2012

Name of work	Intermediate electrification, street lighting and fence lighting for township expansion (B &C type quarters)
Period of Contract	Three months

Issued to M/s. :

**PART – I – TECHNICAL BID
(or Qualification Bid)
(Pages 1 to 27)**



MAINTENANCE & SERVICES DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
BOILER AUXILIARIES PLANT
INDIRA GANDHI INDUSTRIAL COMPLEX
RANIPET - 632 406

ISSUING OFFICER

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Bharat Heavy Electricals Limited

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

RANIPET – 632 406, INDIA

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**MAINTENANCE & SERVICES DEPARTMENT
REGISTERED POST WITH ACK.DUE**

NOTICE INVITING TENDER

Tender Notice No	BAP:M&S:TE:EL:12:007:DT:05.06.2012
Name of work	Intermediate electrification, street lighting and fence lighting for township expansion (B & C type quarters)
Type of tender	Open tender
Period of contract	Three Months
Earnest Money Deposit (EMD) Amount	Rs. 1,50,000/- (Rs. One lakh fifty thousand only)
Last date & Time for Receipt of the Tender	28.06.2012 .14.30 Hrs.
Date of Technical bid Opening	28.06.2012 .14.30 Hrs onwards .
(Please obtain updated information from the website about the latest applicable dates & other changes if any in the tender contents)	
Date of Price Bid Opening	Bidders whose technical bids are found acceptable will be intimated separately about the status of their offers and the date of opening of Price Bid.
Place of submission of Tender	Tender Box placed in M&S Office, BHEL Township Ranipet – 632 406
Address on the Sealed Tender Cover to be:	SENIOR MANAGER / M&S PLANNING & ES M & S DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED RANIPET – 632 406 VELLORE DISTRICT TAMIL NADU
Venue of the Tender Opening	M&S Conference hall
<ol style="list-style-type: none">1. The Tender documents can be down loaded from BHEL website (http://www.bhel.com/tender/list_tender.php) and Govt tender web site: http://tenders.gov.in/ and also in Central Public Procurement Portal (CPP) website: http://eprocure.gov.in/epublish/app2. Interested bidders may alternately collect hard copy of tender specification documents at free of cost from M&S Dept / BHEL / Ranipet on all working days (between 10.00 to 15.00 hrs) .3. BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.4. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web pages (www.bhel.com > Tender notifications > view corrigendum) only and not in the news papers. Bidders shall keep themselves updated with all the such developments.5. BHEL reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any on going job or any similar job in the past.	

IMPORTANT NOTE TO BIDDRES

Bidders are requested to submit their offers `in a sealed cover` consisting of three inner sealed covers such as (1) EMD cover containing DD, (2) Technical Bid cover &,(3) Price Bid cover, all super scribing the name of the work, Tender Number, Due date etc.

- 1) EMD cover shall contain requisite EMD in the form of Demand Draft (DD). Bidders who have already remitted one time EMD of Rs. 2 Lakh need not submit the DD. However they have to furnish the details of Cash Receipt No. & Date on the top of the EMD cover. Tender without EMD / One time EMD reference will be summarily rejected. EMD in any other form will not be accepted.**
- 2) Technical/Qualification bid cover shall contain duly filled in qualification bid document signed by the bidder in all the pages with documentary evidences for pre-qualification such as Balance sheet, P&L A/c, experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.**
- 3) The price bid cover shall contain price bid document(BHEL format only) duly filled in and signed by the bidder in all the pages. The bidder has to quote most competitive rates for all the items in the price bid. The completed qualification bid and price bid along with requisite EMD of Rs 1,50,000 /- for the work in the form of Demand Draft drawn from any Nationalized bank, in favor of 'Manager / Finance, BHEL, Ranipet' payable at SBI, Mukundarayapuram Branch (Code : 7013) shall reach the Office of the undersigned on or before 28.06.2012 at 14.30 Hrs.**

(This earnest money deposit will be refunded to the unsuccessful Bidders after finalization of the award of work. In case of successful bidder, the earnest money will be retained as part of the Security Deposit for satisfactory completion of the work in accordance with BHEL's General Conditions of Contract enclosed. No interest will be paid on the earnest money deposit. EMD by the bidder will be forfeited if i) After opening the tender / price bid the bidder revokes his tender within the validity period or increases his earlier quoted rates ii) The bidder does not commence the work within the period as per LOI / Contract. In case the LOI / Contract is silent in this regard then within 15 days after award of contract).

- 4) The Qualification/ Technical bid will be opened on 28.06.2012 at 14.30 hrs onwards. In case of opening day falls on holiday or happened to be declared as a holiday the receipt and opening of the Tender shall automatically fall at the same timing on the next working day. Date and time of opening of the price bid shall be intimated to those bidders who have qualified in the technical bid. The bidders or their authorized agents can participate in the tender opening for which they shall bring authorization letter for attending tender opening.**
- 5) Bidders are required to submit their price bid in the BHEL format only**
- 6) Seeking clarification on Tender Specification : Clarifications on tender specification if any may be sought by the bidders during the office hours only from the **Sr.Manager/M&S- phone no -04172-284623, mobile no: 9442509822** ..**

- 7) All the information as called for in the various clauses and annexure of tender specification should be furnished. Please refer to the check list. The details so furnished should be complete in all respects and as per the formats prescribed in the Tender specification (Statutory requirement of Contract). The bidder may have to produce original documents for verification, if so decided by BHEL.
- 8) Offers received with any deviation or without relevant information are liable to be rejected.
- 9) Price bids received in any form other than prescribed in PRICE BID are liable to be rejected.
- 10) **The bidder has to quote his Rate for all individual items in the Rate Schedule of Price Bid. If the bidder has not quoted the Rate for any item(s), it is considered as incomplete tender and tender can not be accepted.**
- 11) **The tender offer should be kept valid for 3 MONTHS from the date of Price bid opening** for acceptance by BHEL. No unsolicited revision in the tender offer shall be entertained after opening of tenders and till expiry of the validity period.
- 12) Quoted rates shall be firm through out the contract period of 24 months and extended contract period also and no cost escalation is allowed on any account.
- 13) **The similar works executed in the own name of the bidder only will be considered for eligibility / qualification criteria.**

SPECIAL TERMS AND CONDITIONS TO ENQUIRY

1. BHEL reserves the right to increase or decrease the tendered quantity.
2. Lowest prices received against BHEL tenders need not be the technically acceptable one, and in that case, BHEL reserves the right not to consider the same.
3. BHEL reserves the right to negotiate or refloat the tender opened, if L1 Price is not lowest acceptable price to them inter-alia other reasons.
4. BHEL reserves the right to negotiate the L1 rate.
5. The contract will be finalized based on the overall LOWEST value and to be awarded to single party only since split in schedules is not possible.

Clarification if any can be obtained from the undersigned before submitting the offer.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

Yours faithfully,
For Bharat Heavy Electricals Limited,

**Sr. Manager / M&S Planning & ES
M&S Department**

E FORMAT

THE PURCHASE / CONTRACT EXECUTING AGENCY / BHEL

ACCEPTANCE FOR ELECTRONIC FUND TRANSFER / RTGS TRANSFER

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

CERTIFICATE

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

AUTHORISED SIGNATORY WITH NAME SEAL

Banker's Certification

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

PLACE:

(Manager / Officer's)

DATE :

Signature Under Bank stamp and Name Seal
With Membership No.

(Telephone / Mobile No.)

QUALIFICATION REQUIREMENTS (QR) :

Qualifying Criteria for Bidders:

The essential qualification requirements of contractor for tender submission shall be as under:

- a. Average annual financial turnover of the Contractor during the last 3 years ending on 31st March 2012, should be at least 30 % of the estimated cost. and the bidder should submit audited balance sheet and Profit & Loss Account for the last three years (2009 – 10, 2010 – 11 & 2011-12), duly certified by chartered accountant / auditor.
- b. Contractors having experience of successfully completed similar works (**ref. Note 1 below**) during the last 7 years as on 31.05.2012 should be either of the following.
 - i. **Three similar completed works costing not less than the amount equal to Rs.23.41 Lakhs.**
OR
 - ii. **Two similar completed works costing not less than the amount equal to Rs.29.26 Lakhs**
OR
 - iii. **One similar completed work costing not less than the amount equal to Rs.46.83 Lakhs.**
- c. Contractor should have relevant valid **Electrical EB / ES A / EA / ES B grade license** from State Electrical Licensing Board of Tamilnadu / other states for carrying out this work.
- d. The bidders to note that possession of Provident Fund (PF) & ESI code is not a pre-condition for participation in the tender. However, the successful bidder should ensure to get the PF code and the PF amount deducted from their employees are to be deposited in this PF code along with their contribution.

Note 1 : 'Similar Works' mentioned in clause b) above shall mean successfully executed "electrical erection works in manufacturing or process industries or private building or public buildings or townships" Or successfully executed erection works of electrical equipment or street lights or cables or LT panels or HT panels in manufacturing/ process industries.

The work executed in the own name of the bidder only will be considered for similar works executed for meeting the eligibility criteria

Tender bids not meeting any of the above pre-qualification criteria shall be rejected.

Documents required for proof of QR:

The bidders should submit documents in support of possessing Qualifying requirements as under, duly certified and stamped by their authorized signatory:

- a. copy of Balance sheet, Profit & Loss Account duly certified & audited by Chartered Accountant) and work orders along with BOQ and completion certificates in support of the qualifying criteria.
- b. Bidder has to submit a copy of registration of PAN No.
- c. Copy of Service Tax Registration certificate.
- d. Copy of PF & ESI registration No (if available)
- e. Copy of **authorization letter / power of attorney of the authorized signatory of the tender document (only in case of owner of the firm is different from authorized signatory).**
- f. **No Deviation Certificate** as per enclosed format.

QUESTIONNAIRE

Questionnaire to be answered by the bidder by ticking the suitable boxes.

Sl.No.	Description	Yes	No
01	Whether the bidder has understood the scope of work and agrees to deploy required man power.		
02	Whether the bidder has agreed to all Terms & Conditions given in the tender.		
03	Whether the bidder has their own code for ESI & PF. (A copy of the certificate to be enclosed).		
04	Whether the bidder has enclosed copy of the present Service / Sales / Works contract sales Tax registration certificates. If a vendor is exempted from the registration under Service / Sales Tax, the reason there of be stated.		
05	Whether the vendor / Contractor is availing service Tax credit / VAT Credit for their inputs.		
06	Whether the vendor will submit Service Tax invoice as per the existing ACT and the rules their under.		
07	Whether the bidder agrees to Pay Wages as per Minimum wages Act, EL Wages, Holiday Wages as per Tamil Nadu Factory rules. (Necessary proof should be submitted while claiming running bill and final bill.)		
08	Whether the PAN Number of the bidder is furnished. If exempted from IT, the exemption certificate shall be enclosed.		
09	Whether the bidder agrees to keep the validity of their offer for three months from the date of opening of price bid and keep the prices firm throughout the contract period.		
10	Whether the bidder agrees for the payment terms of BHEL.		
11	Whether the bidder has agreed to submit EMD of Rs.1,50,000/- and has submitted the same along with technical bid. (If not enclosed the tender will not be considered).		
12	Whether the bidder has agreed to submit 50 % Security Deposit before commencement of the work..		
13	Whether the Bidder has enclosed the list of their clients with addresses & contact persons.		
14	Whether the Bidder has enclosed the list of similar works carried out with supporting documents		
15	Whether the includability / excludability of the taxes and duties in the rates offered has been clearly indicated. If the same is not done, BHEL will choose to assume the rates are inclusive only.		
16	All payments by BHEL will be made through e-payment only. The required certificate as enclosed in the tender is submitted by the bidder with Banker's signature.(submission of e-fund transfer format is not mandatory for submission of bids).		
17	Whether the bidder has visited the factory and ascertained the working conditions?		

Note: If any of the question is not applicable, please mention as "Not Applicable (NA)"

CERIFICATE OF NO DEVIATION

I / We of M/s

hereby certify that **there is no deviation** from the tender conditions either technical or commercial and I am /We are agreeing to all the terms and conditions mentioned in the Tender Specification.

Date:

Signature of the Bidder

BRIEF SCOPE OF WORK & SPECIAL CONDITIONS

Description of site:

BHEL Ranipet is executing extension of its township for construction of 144 nos of C-type quarters and 96 nos B-type quarters at BHEL/ Ranipet. The project was commenced during Aug,2010 and is likely to be completed by Sep,2012. To make a modern township we are going for under LT cable work for distribution of TNEB power to these quarters.

- 1) All the work shall be carried out as per the instructions of BHEL engineer. BHEL engineer's decision regarding the correctness of the work and method of working shall be final and binding on the contractor.
- 2) All under ground cables are to be laid as per detailed specification enclosed which includes supply of required bricks, sand etc.
- 3) The street light poles shall be fabricated and painted as per the specification only.
- 4) The drawings of street light poles to be approved by BHEL ,Engineer before fabrication.
- 5) The concrete foundation for street light poles shall be done as per standard specification with the approval of BHEL Engineer-in-charge.
- 6) The light fittings supplied by BHEL are to be fitted on the pole bracket by the contractor with due care.
- 7) The scope of work includes, testing and commissioning of the entire equipment erected by the contractor.
- 8) The operation of street light timers to be demonstrated by the contractor.
- 9) Cable markings are to be provided by the contractor for all under ground cables laid by the contractor.
- 10) Earthing to be provided for all street light poles from the nearest earth grid.
- 11) Construction power will be provided at one point. Contractor has to bring required extension switch boxes with wire for using the power for drilling cutting etc.
- 12) Cable markings are to be provided as per specification .
- 13) The contractor has to co-ordinate with civil (road) contractor during laying of under ground cables and ensure smooth execution of the both works.
- 14) The contractor has to co-ordinate with TNEB officials during execution of the work and work to be carried out in accordance with TNEB standards.
- 15) The contractor has to prepare necessary lay out drawings/ as built cable routing drawings and submit to BHEL for records.

- 16) Tentative time schedule for execution of the work: From July, 2012- Sep-2012 (3 months).
- 17) The L1 bidder will be identified through the process of summing up the unit rates quoted as per the schedule of works available in price bid including service tax.
- 18) The contractors are requested to quote realistic and reasonable rates for all the schedules, by keeping the business volume and duration of the contract period in mind.
- 19) The contractor has to mobilize required men and materials to complete the work as per requirement of the BHEL to compress the time period if required..
- 20) Service tax at applicable percentage shall be quoted by the bidders. In case service tax is quoted at composite rate, then it will be applicable on BHEL free issue materials also.
- 21) BHEL reserves the right for extending the contract period based.
- 22) If the total value of work is calculated erroneously, L1 will be decided based on the rate quoted against each schedule and adding all the items there on. Any calculation error will be corrected at actual.
- 23) If any discrepancy between figures and words, L1 will be decided based on words.

GENERAL CONDITIONS OF CONTRACT

1. DEFINITION

In these General Conditions of Contract, the following terms shall have the meaning hereby assigned to them, except where the context otherwise requires.

- a) The "Contract" means, the documents forming the tender and acceptance thereof, together with all the documents referred to therein including general and special conditions of contract. All these documents taken together shall be deemed to form one contract and shall be complementary to one another.
- b) The "Work" means, the work described in the tender documents in individual work-orders as may be issued from time to time to the contractor by the Officer-In charge including all notified or additional items of works and obligations to be carried out as required for the performance of contract.
- c) The "Contractor" means, the individual, Firm or Company whether incorporated or not, undertaking the work and shall include the legal representatives or the successors of the individual, firm or company and the permitted assigns of such individual or firm or Company.
- d) "The Officer-In charge" means, the Officer deputed by the SM/M&S to supervise the work or part thereof.
- e) "Approved" and "Directed" means, the approval or direction of SM/M&S, or person deputed by him for the particular purposes.
- f) "BHARAT HEAVY ELECTRICALS LIMITED" (herein after referred to as BHEL) shall mean the Board of Directors, Chairman, Executive Director, General Manager or other Administrative Officer of the said Company including SM/M&S authorized to invite tenders and enter into contract for works on behalf of the Company.
- g) The "Contract sum" means, the sum accepted or the sum calculated in accordance with the prices accepted in tender and / or the contract rates as payable to the contractor for the execution of the work during the currency of the contract.
- h) A "week" means, Seven Days, without regard to the number of hours worked or not worked in any day in that week.
- i) A "day" means, the day of 24 hours (TWENTY FOUR) irrespective of the number of hours worked or not worked in that day.
- j) A "working day" means, any day other than that prescribed by the NEGOTIABLE INSTRUMENTS ACT as being a Holiday, and consists of the number of hours of labour as commonly recognized by good employers in the trade in the district where the work is carried out or as laid down in the BHEL regulations.

2. HEADING TO THE CONTRACT CONDITIONS

The heading to these conditions shall not affect the interpretations thereof.

3. WORK TO BE CARRIED OUT

The Contract shall include all labour, materials, tools, plant, equipment and transport which may be required for the execution of the work. The Contractor will be deemed to have satisfied himself as to the scope of the work, nature of the site, local facilities of access and all matters affecting the effective execution of the work. No extra charges whatsoever in nature, consequent on any misunderstanding in these respects or otherwise will be allowed.

4. DEVIATIONS

The contractor shall not carry out any work not covered by schedule except in pursuance of the written instructions of SM/M&S. No such work shall be valid unless the same has been specifically confirmed and accepted by BHEL in writing and incorporated in the Contract.

5. PLANT AND EQUIPMENT

The Contractor shall at his own expense, supply all tools, plant and equipment (Herein after referred to as T&P) required for the satisfactory execution of the contract unless specified otherwise.

6. ASSIGNMENT OF TRANSFER OF CONTRACT

The Contractor shall not without the prior written approval of the BHEL, assign or transfer the contract or any part thereof, or any share, or interest thereon to any other persons. No sum of money which may become payable under the contract shall be payable to any person, other than the contractor unless the prior written approval of the BHEL to the assignment or transfer of such money is given.

7. SUB-CONTRACT

The Contractor shall not sub-let any portion of the contract without the prior written approval of the BHEL.

8 COMPLIANCE TO REGULATIONS AND BY-LAWS

The Contractor shall conform to the provisions of any statute relating to the work and regulations and Byelaws of any local authority. The Contractor shall be bound to give all notices required by statute regulations or By-Laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

a) Minimum Wages for the workers engaged for this work:

The Contractor shall remain liable for the payment of all wages or other moneys to his workmen or employees under the payment of Wages Act 1936, Employees Liability Act. 1938, Workmen's Compensation Act 1923 or any other Act or enactment, relating thereto and rules framed, there under from time to time.

The current minimum wages for skilled worker is Rs 203.00 / day, semi skilled worker is Rs 197.00 / day and for un skilled worker it is Rs. 190.00 / day. The contractor shall ensure to pay wages not less than this minimum wage to the workers deployed by him in this work along with other statutory payments. Any increase in wages during currency of the contract also to be paid by the contractor within the quoted rates.

9. SECURITY DEPOSIT

- a) Security Deposit shall be collected from the successful Bidder. The rate of Security Deposit will be as below:

Upto Rs.10 Lakhs: 10%

Above Rs.10 lakhs up to Rs.50 Lakhs: 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

The Security Deposit shall be paid before start of the Work.

- b) 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. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipts 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 shall 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 remitted before the start of the work and the balance 50% may be recovered from the running bills.
- viii) EMD of the successful Bidder can 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 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. The Earnest Money paid at the time of tender will be adjusted as part of the Security Deposit and the balance amount will be recovered by deduction from the running bills of the contractor at the rates mentioned above.

Security Deposit shall not be refunded except in accordance with the terms of Security Bond or Agreement. No interest shall be allowed on Security Deposits. BHEL shall not be responsible for any depreciation in the value of the securities while in their charge or for any loss of interest there on.

All compensation or other sums of money payable by the Contractor to BHEL under the terms of this contract or under any other contract with BHEL may be deducted from the Security Deposit or from any sums which may be due or may become due to the contractor by BHEL and in the event of this Security Deposit being deducted by reason of such deductions as aforesaid, the Contractor shall within 7 days thereafter, make good in cash or in securities endorsed as aforesaid, any sum by which the Security Deposit has been reduced.

If the contractor fails to execute the contract either fully or partially or violates the contract conditions leading to cancellation of the contract, the security deposit will be forfeited

10. ORDERS UNDER THE CONTRACT

All orders, notices etc. to be given under the contract shall be only in writing. The initial delivery shall be thro e-mode followed by delivery of hard copy. The date of delivery of any such communication shall be deemed to be the date of e-mode communication. The Contractor shall carry out all orders without any delay

11. CONTRACTOR'S SUPERVISION

The Contractor shall either himself supervise the execution of the contract or shall appoint a competent agent acceptable to SM/ M&S , to act in his stead.

Orders given to the Contractor's agent shall be considered to have the same force as if they have been given to the Contractor himself.

The Contractor or his agent shall attend when required without making any claim for doings, either the office of the SM/M&S or the OFFICER-INCHARGE, to receive instructions.

SM/M&S , shall have full powers and without assigning any reason, require the Contractor to immediately cease to employ in connection with this contract, any agent, servant or employee where continued employment is, in his opinion undesirable. The Contractor shall not be allowed any compensation on this account.

12. PRECAUTIONS AGAINST RISK

The Contractor shall be responsible for providing at his own expense for all precautions to prevent loss or damage from any and all risks and to minimize the amount of any such loss or damage and for the necessary steps to be taken for the said purpose.

13. DAMAGE & LOSS TO PRIVATE PROPERTY & INJURY TO WORKMEN

The Contractor shall at his own expense reinstate and make good to the satisfaction of the SM/M&S , and pay compensation for any injury, loss or damage occurred to any property or rights whatever including property and rights of BHEL (or agents) servants or employee of BHEL, the injury loss or damage arising out of or in any way in connection with the execution or purported execution of the contract and further the contractor shall indemnify the BHEL against all claims enforceable against BHEL (or any agent, servant or employee of BHEL) or which would be so enforceable against BHEL where BHEL is a private person, in respect of any such injury (including injury resulting in death) loss or damage to any person whomsoever or property including all claims which may arise under the Workmen's Compensation Act or otherwise.

14. LAWS GOVERNING THE CONTRACT

The Contract shall be governed by the Indian Laws for time being in force.

15. CANCELLATION / TERMINATION CONDITIONS

a) CANCELLATION OF CONTRACT FOR CORRUPT ACTS

BHEL, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued /shall accrue thereafter to BHEL cancel the contract in any of the following cases and the Contractor shall be liable to make payment to BHEL for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default.

If the Contractor shall

- i) Offer or give or agree to give to any person in BHEL service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for borne to do any act, in relation to the obtaining or execution of this or any other contract for BHEL service,
OR
- ii) Enter in to a contract with BHEL in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to BHEL.
OR
- iii) Obtain a contract with BHEL as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to BHEL.

b) CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER OR SUB-LETTING OF CONTRACT

BHEL, without prejudice to any other right or remedy, which shall have accrued or shall accrue thereafter to BHEL, shall cancel the contract in any of the following cases:

If the Contractor,

- i) being an individual or if a firm any partner thereof shall at any time be adjudged bankrupt or have a receiving order for administration of his estate, made against him or shall take any proceedings for liquidation or composition under any bankruptcy Act or assignment of his effects of composition or arrangement for the benefit of his creditors or purport to do so, or if any application made under any Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditors

OR

- ii) being a Company, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, or a receiver or Manager on-behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or Manager,

OR

- iii) Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the BHEL .
- iv) Whenever BHEL exercise the authority to cancel the contract under this conditions, BHEL may have the work done by any means at the Contractor's risks and expenses provided always that in the event of the cost of the work so done (as certified by SM/M&S which is final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by SM/M&S , or the same shall be recovered from the Contractor by other means.
- v) In case BHEL carries-out the work under the provisions of this condition the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plants and/or labour provided by the BHEL with an addition of such percentage to cover superintendence and establishment charges as may be decided by the SM/M&S, whose decision shall be final and conclusive.

c) CANCELLATION OF CONTRACT IN PART OR FULL FOR CONTRACATOR'S DEFAULT

If the Contractor

- i) Makes default in carrying out the work as directed and continues in that state after a reasonable notice from BHEL.;
- ii) Fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued there under;

- iii) BHEL, may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to BHEL CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever BHEL exercise the authority to cancel the contract as whole or part under this condition BHEL may complete the work at the contractor's risk and cost (as certified by SM/M&S, which is final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL. If the cost exceeds the moneys due to the Contractor under this contract the Contractor shall either pay the excess amount ordered by SM/M&S or the same shall be recovered from the Contractor by other means. In case the BHEL carries out the work or any part thereof under the provisions of the conditions the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plant and/or labour provided by the BHEL with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the SM/M&S, whose decision shall be final and conclusive.

d) TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR

Without prejudice to any of the rights or remedies under this contract, if the Contractor dies, or if the firm is dissolved or the company is liquidated BHEL shall have the option of terminating the contract without compensation to the Contractor.

e) SPECIAL POWER TO TERMINATION

If at any time after the award of contract, BHEL shall for any reason whatsoever not require whole or any part of the work to be carried out the SM/M&S shall give notice in writing of the fact to the Contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the fore-closing of the work.

16. SUBMISSION OF BILLS BY CONTRACTOR

The Contractor at the end of each month shall submit a bill in triplicate detailing the various items of work done during the month supported by the requisitions issued from time to time. The Contractor shall once in every month, submit to the SM/M&S or authorized officials of BHEL separately details of his claims for the work done by him up to and including the previous month which are not covered by his contract agreement in any of the following respects:

- a) Deviation from the items provided in the contract documents.
- b) Extra items / new items of work.
- b) Items in-respect of which rates have not been settled. He should in addition furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done up to and including the period under report.

17. PAYMENT TERMS.

1) For schedule serial numbers 9 & 10 :

- a) **60%** of the contract rate shall be paid after supply and receipt of the materials at site on pro-rata basis.
- b) Further **30 %** shall be paid after completion of the erection work.
- c) Further **5%** for the above schedules will be paid after testing and commissioning of individual light fittings..
- d) Final **5%** for the above schedules shall be paid after the guarantee period of 6 months from the date of commissioning or against BG valid for 6 months.

2) For all other schedules(Schedule nos: 1- 8 & 11-15)

- a) **90 %** of the contract rate shall be paid after completion of erection work.
- b) Further **5%** for the above schedules will be paid after testing and commissioning of individual schedule items.
- c) Final **5%** for the above schedules shall be paid after the guarantee period of 6 months from the date of commissioning or against BG valid for 6 months.

All payments to be made to the Contractor, under this contract shall be by “ NEFT ” (National Electronic Fund Transfer) / “ RTGS ” (Real Time Gross Settlement) within a reasonable time say one month after the certification of bills by the SM/M&S or any official of M&S department authorized by him for this purpose.

17. a) Guarantee Period

Six months from the date of actual completion of the entire work and handed over to Bharat Heavy Electricals Limited)

18. RECOVERY FROM CONTRACTOR

Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractors, the same may be deducted from or any sum then due or which at any time thereafter may become due to Contractor under the contract or under any other contract with BHEL or from his Security Deposit or he shall pay the claim on demand.

19. POST- TECHNICAL AUDIT OF WORK AND BILLS

BHEL reserves the right to carry out the post-payment Audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc., and enforce recovery of any sum becoming due as a result thereof in the manner provided in the presiding sub-paragraphs. However no such recovery shall be enforced after three years of passing the final bill.

20. REFUND OF SECURITY DEPOSIT

The Security Deposit mentioned in condition 09 above may be refunded to the Contractor at the end of contract period against submission of "NO DEMAND CERTIFICATE".

21. FORCE MEJEURE 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, Hostile acts of the public enemy, Civil Commotion, Epidemics, or Acts of God (Floods, Storm/Cyclone, Hurricane, Earth Quake etc.) then provided notice of happening of any such event is given by either party to the other within 7 days from the date of any such occurrence thereafter neither party shall by reason of such event be entitled to terminate this Contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance under the contract and the work shall be resumed as soon as practicable after such event 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 of any such event, claims for extension of time shall be granted for periods considered reasonable by the SM/M&S subject to prompt notification by the contractor.

22. ARBITRATION & JURISDICTION

All disputes between the parties to the contract, arising out-of or relating to the contract, other than those for which the decision of the SM/M&S, or Accepting Officer or any other person is by the contract expressed to be final and conclusive shall after written notice by either party to the contract to the other party be referred to the sole Arbitration of GENERAL MANAGER or other Officers of BHEL appointed as Arbitrator, by the GENERAL MANAGER of BHEL in his sole discretion.

Unless the parties otherwise agree, such reference shall not take place until after the completion, alleged completion or abandonment of the work of the determination of the contract.

The venue of Arbitration shall be such a place or places as may be fixed by the Arbitrator in his sole discretion. The award of the Arbitrator shall be final, conclusive and binding on both parties to the contract.

In case of any suit or other legal proceeding arising under or relating to this contract, the courts at Ranipet, Walajah Taluk, Vellore District, Tamil Nadu only shall have the Jurisdiction and is only after exhausting the Arbitration as above.

23. SIGNING OF CONTRACT

Each Contract document shall be signed by the Contractor with his usual signature. Contract by partnership of Hindu Joint Family firm, may be signed in the FIRM'S name by one of the Partners or the Karta or Manager as the case may be or by any other duly authorized representative followed by the name and designation of the persons so signing. Contracts by a Company shall be signed with the name of the Company by a person authorized in this behalf and a power of attorney or other satisfactory proof showing that the persons signing the Contract documents on behalf of the Company is duly authorized to do so, shall accompany the contract.

- 24.** All statutory requirements under Minimum Wages Act 1948, Factories Act 1948, Workmen Compensation Act 1923, Employees Provident Fund and Miscellaneous Provisions Act, 1952, Payment of Gratuity Act 1972, Employee State Insurance Act 1948, Contract Labour (R&A) Act 1970, Payment of Bonus Act 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the Contractor.

- 25.** Contractor shall comply with all statutory requirements, rules, regulations and notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- 26.** Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- 27.** Contractor wherever applicable shall maintain proper records prescribed by the concerned statutory authorities and provides a copy of the same to BHEL.
- 28.** The Contractor should follow all the provisions of Labour Legislation and Statutory obligations. Provisions as and when amended will also apply.

SPECIAL INSTRUCTIONS TO BIDDERS

1. Sealed Tenders for the work mentioned in the Schedule are invited from Contractors experienced in works of similar kind and magnitude.
2. Tenders must be submitted **in sealed covers** and should be addressed to

**Senior Manager /M&S planning & ES,
M&S Department,
Bharat Heavy Electricals Limited,
RANIPET – 632 406.**

The Name, Address of the Bidder and the name of work shall be clearly mentioned on the cover.

3. Tenders will be received up to 14.30 hrs. on 28.06.2012 in the prescribed form and will be opened on 28.06.2012 at 14.30 hrs onwards at M&S Office Conference Hall in the presence of such of those Bidders or their agents who may choose to attend.
4. All entries in the tender documents should be in one ink. Over-writing and corrections should be avoided. The Bidders concerned should duly sign for all corrections and over-writings.
5. Bidder should sign and seal each and every page of the tender document including the drawings/annexure attached thereto before submitting the tender.
6. Conditional tenders 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 for rejection.
7. Tenders not submitted in the prescribed forms are liable for rejection.
8. In quoting the rates, the Bidders are advised to take into 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 Bidders are advised to inspect the site of work and its environments and be well acquainted with actual working and other prevalent conditions, position of materials and labor. General instructions to Bidders drawings, specifications and other documents also form part of the agreement to be entered into.
10. The rates quoted in the tender shall remain valid for a period of **THREE MONTHS** from the date of opening of the price bid.
11. In the event of tender being submitted by a 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 Gazette Officer must accompany the tender.
12. **Every Tender must be accompanied by 'Earnest Money Deposit' of Rs.1,50,000/- (Rupees One lakh fifty thousand only) in the form of Demand Draft drawn from any Nationalized bank, in favor of 'Manager / Finance, BHEL, Ranipet' payable at SBI, Mukundarayapuram Branch (Code : 7013). EMD will not carry any Interest.**

13. Unless the Contractor whose tender is accepted, signs the contract and makes necessary Security Deposit specified within fourteen days from the date of the order directing him to do so, the earnest money deposited by him will be forfeited and acceptance of his tender withdrawn.
14. The Bharat Heavy Electricals Limited, reserves the right to reject any or all the tenders received or accept any tender or part thereof without assigning any reason there for. In case of acceptance of a part of tender, time for completion may also be reduced to the extent considered appropriate by the accepting authority.
15. Unit rates 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 at site.
16. Rates for each item of the tender schedules should be quoted in rupees and paise only. In case of any difference in the rates quoted in figures and in words, words will be taken as the tendered rate.

17. Rates quoted SHALL INCLUDE ALL royalties, terminal taxes, octroi, duties, central and provincial excise tax, sales tax / VAT and other taxes levied under the State or Central Government Rules excluding applicable service tax for this work. BHEL will reimburse the service tax to the contractor, subject to service tax invoice as per Law. While quoting, the bidder should take in to account the implication of service tax on the Value of Free materials supplied by BHEL which will work out to Rs.17.63 lakhs as per Annexure -A.

18. The L1 will be decided based on the lowest cost to BHEL.

The quoted rates shall also include expenditures towards complying statutory payments like Provident fund, ESI payments, bonus etc for the labourer & staff deployed in the work.

19. **The Bidder shall not include Service Tax in their quoted rates and to indicate applicable rate of service tax separately at the appropriate place on the price bid..** The contractor will have to submit the Service Tax Registration certificate to BHEL and claim the Service Tax from BHEL by submitting Tax invoice as per Rules & Regulations of Service Tax and the documentary evidence will have to be submitted along with the next bill. If for any reason, the contractor has to pay penalty, interest on service tax, the contractor has to bear such additional payment. BHEL will pay only the service tax at actual. **The Bharat Heavy Electricals Limited will not entertain any claim in this regard.**
20. If the bidder find discrepancies or omissions in 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 Bidder shall take up on himself to provide for the risk of any error which may be subsequently discovered and shall make no subsequent claim on account thereof.

21. Tenders submitted by post should be sent "REGISTERED POST WITH ACK.DUE". This should be posted with due allowance for any delay in postal delivery. On no account, will tenders received after the due date and time of opening tenders, be considered.
22. Quantities shown in the attached schedules are only approximate and liable to change without entitling the contractor for any compensation.
23. Should a Bidder or a contractor has a relative or in the case of a firm or company of contractors any of its shareholders or share holder's relative, employed in 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 come to light, the contract may be rescinded.
24. If the Bidder expires after submission of his tender, the Bharat Heavy Electricals Limited may be at the discretion of cancel such tender.
25. If a partner of a firm expires after submission of the tender or after the acceptance of the tender, Bharat Heavy Electricals Limited may cancel such tender at the discretion unless the firm retains his character.
26. The Bharat Heavy Electricals Limited will not bound by any Power of Attorney granted by the Bidder or changes in the composition of the 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.
27. The contractor deliberately, gives wrong information in his tender or creates conditions favorable for the acceptance of his tender, Bharat Heavy Electricals Limited reserves the right to reject the tender at any stage.
28. Words imparting the singular number shall also deem to include the plural number and vice versa where the context so requires.
29. The expenses for completing and stamping the agreement shall be to the contractor's account.
30. The General and Special Conditions of Contract are complimentary to each other and where they are in conflict, the Special Conditions shall prevail. In regard to matters not covered by the General or Special Conditions of Contract, those contained in the specifications approved by Bharat Heavy Electricals Limited shall apply.
31. Bidders shall not increase their quoted rates incase Bharat Heavy Electricals Limited negotiated for reduction of rates, such negotiations shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted shall be binding on the Bidders for a period of Three months from the date of opening of tender.
32. Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
33. All contractors will have to produce Income Tax clearance certificate from the Income Tax authorities 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.

34. The " GENERAL CONDITIONS OF CONTRACT and SPECIAL INSTRUCTIONS TO BIDDERS" shall be deemed to form an integral part of contract for the work to be entered into.

35. The contractor should possess necessary licenses, Permanent PF A/c No, and should take Insurance for his workers and produce them before commencement of work. The Contractor shall insure all his materials, tools, tackles etc. and also for third party.

- a. As per employees PF and misc. provisions Act 1952, the employee's contribution payable at present is 12% of wages which shall be recovered by the Contractor from the wages of his workmen and the contractor should pay equal contribution in addition to any administrative charges in this behalf that may be decided from time to time. Remittance shall be made on time (i.e. on or before 15th of the following month).
- b. All the contract workers shall be enrolled in ESI (Employees' State Insurance). The effective date will be first day of the latest commencement of running contract concerned. The date shall be entered in the 'Date of Appointment' column of the ESI Declaration Form. The workers who are already members of ESI need not be enrolled again.
- c. The filled ESI declaration forms shall be submitted to the Executive (HR-CLX, REX). In the Declaration Form full address of the contractor shall be mentioned. Whenever a fresh and unregistered worker is engaged during the operation of contract, declaration form in respect of that workman which should be submitted to Human Resources Department within two days of such engagement.
- d. ESI contributions (1.75% employees contribution + 4.75% employer contribution of the total monthly wages) before 20th day of every following month. Prescribed challans are available at ESI local office, Ranipet (near Sipcot). Contractors who have got their own code number can remit the contributions on that number.
- e. Along with the challan copy, the details of remittance shall be submitted to the Executive (HR-CLX, REX) in the ESI compliance form.

36. The contractor should deduct Provident Fund and ESI amount as per the provisions and amount so deducted along with the matching contribution of the contractor shall be remitted to the authorities concerned within the stipulated time. The statement of deduction along with the challans evidencing remittance shall be submitted to Officer-in-charge. If the evidences are not shown, further bills of the contractor will not be paid.

BHEL have the right to withhold the payment of his bills. Submission of statutory returns such as Half Yearly returns of ESI (Form 6), P.F. return (Form 12A), Form 5 and Form 10, Form 3A & Form 6A should be send to the concerned officers in time.

37. In case of any increase in wage rates on account of revision of minimum wages by Government of Tamil Nadu and any revision of rate of contribution in Provident Fund, ESI and Bonus percentages due to statutory amendments, the contractor is bound to pay the revised amount. In case the revision of minimum wages is made by Government of Tamil Nadu with retrospective dates, the contract is bound to pay such arrears arising out of such revision of minimum wages retrospectively, failing which BHEL as the principal employer will retain the amount from the contractor and pay to contract labourers working under him.

38. The workers' particulars such as Name, Age, Father's name, address etc., and their daily attendance have to be maintained by the contractor. The details of Provident Fund and ESI compliance have to be maintained by the contractor in the prescribed format/register.
39. As per the Contract (Regulation & Abolition) Act, 1970 & Allied Rules, the contractor employing 20 or more labourers is required to obtain license from the Inspector of Labour, Vellore. This license shall be amended and/or renewed whenever there is an increase in the workman employed by him or in the event of contract being extended or renewed. The contractor shall inform the License Number so obtained to the Human Resources Department.
40. The contractor shall maintain the following Registers and Records and make them available for inspection at any time. (The list is only for example, but not exhaustive).
- a) Muster Roll
 - b) Register of Wages
 - c) Register of Deductions
 - d) Register of Overtime
 - e) Register of Fine
 - f) Register of Advance
 - g) Wage slips
 - h) Register of Accidents
 - i) Register of Leave with Wages
 - j) ESI Register in Form-7

All registers are required to be maintained as above and shall be produced as and when Government Officials and Statutory Authorities to make inspection from time to time.

41. In case a contract labourer meets with an accident while on duty, the contractor shall immediately intimate the information to Safety Department, Contracting Agency and Human Resources Department and submit the Accident Report duly filled in all respect and send a copy to ESI local office, ESI Dispensary and Inspector of Factories (for major accidents) with in 24 hours of accident through Safety and Human Resources Departments. All assistance for the injured workman such as to taking him to ESI Dispensary for treatment must be rendered by the contractor.
42. Compliance of the above provisions does not absolve the obligation of contractor arising out of other statutory obligations.
43. Employment of child labour is strictly prohibited.
44. Contractor should employ only persons having sound health and not above the age of 58 years, and not below the age of 18 years.
45. Payment of Bonus: In respect of work done by the labour, the contractor has to pay to his labourers as laid down by the Payment of Bonus Act – 1965.
46. The Bidder should be present if called for negotiation both technical and commercial. In case, the Bidder's authorized person is attending the negotiation such person should have the authorization letter and he should be capable of taking spot decisions.

47. In case the Bidder is not interested in submitting your quotation, they should return all the tender papers with a covering letter stating that your regrets for not submitting your offer for this tender.
48. If required bidders may visit the site/working area and obtain all clarifications from Tender Issuing Officer regarding the nature of job before offering their quotation.
49. The bidder shall clearly indicate all the applicable Taxes in the Price Bid and also shall state clearly whether these taxes are inclusive or exclusive of the Basic rate quoted. If any tender does not indicate applicable taxes, BHEL will assume, price quoted is inclusive of all Taxes and Tender will be evaluated accordingly.
50. The contractor should have registered for Service Tax and a copy of registration certificate shall be attached along with the offer.
51. The contractor shall indicate all the applicable taxes in the offer and any claim after the issue of contract will not be entertained.
52. In case if any Taxes not applicable, like due to threshold limit etc. Same may be clearly indicated in the offer by the Bidder.

ANNEXURE -A

Name of work: Intermediate electrification, street lighting and fence lighting for township expansion (B & C type quarters)				
Free material supplied by BHEL while executing the contract				
S.No.	Schedule No	Material Description	Quantity	Unit
1	1a, 1b &1c	4cx25 sq.mm PVC AR aluminum cable	5500	Mtrs
2	9	250W Metal hallide fitting	36	No's
3	10	150W Metal halide fitting	98	No's
4	11,12&19	4c x 10 sq.mm PVC AR aluminum cable	5892	Mtrs
5	15	2c x 2.5 sq.mm unarmored copper cable	1802	Mtrs

Total amount - 17,63,220/-

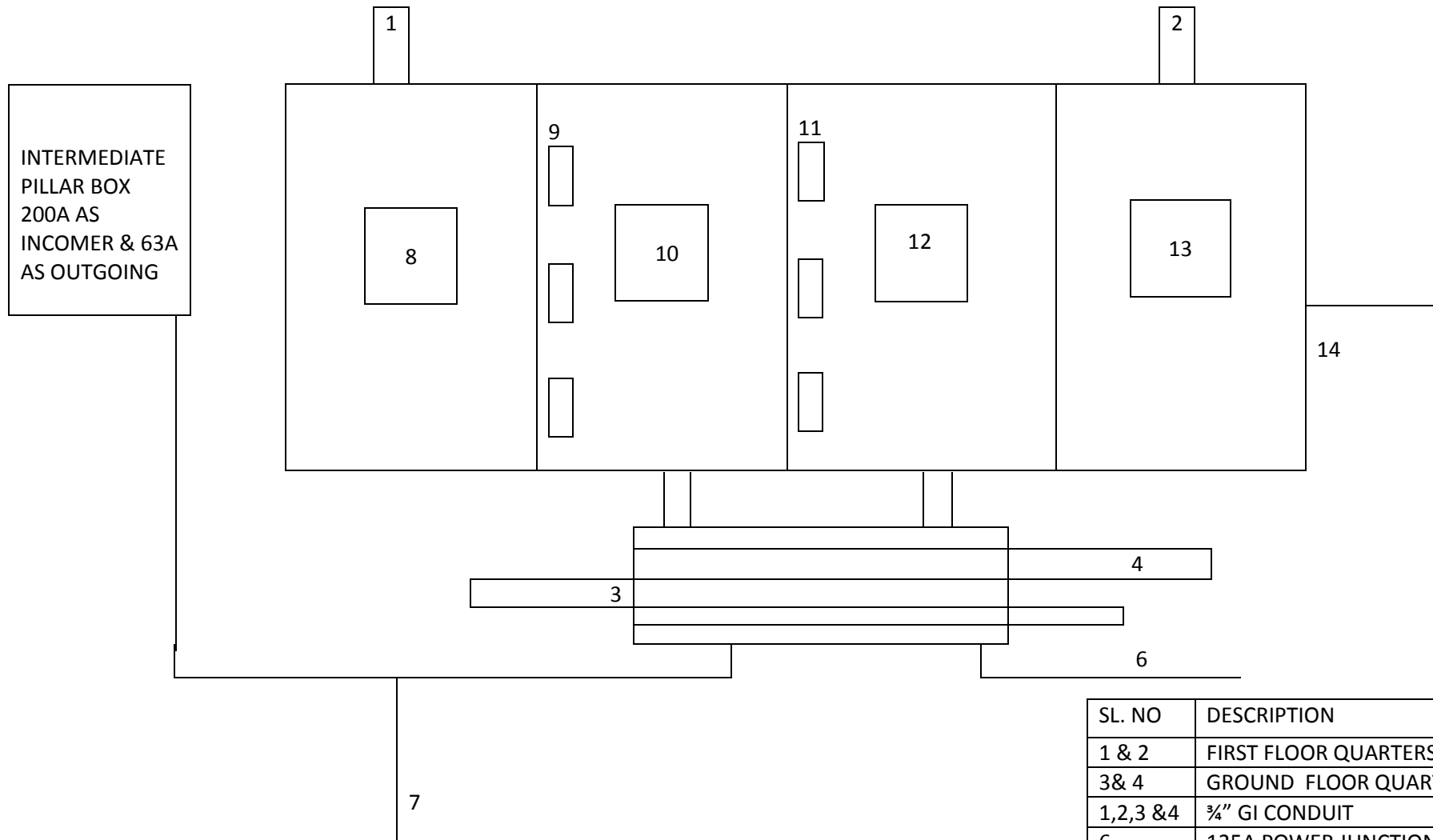
(Rupees Seventeen lakhs sixty three thousand two hundred and twenty only)

DRAWINGS

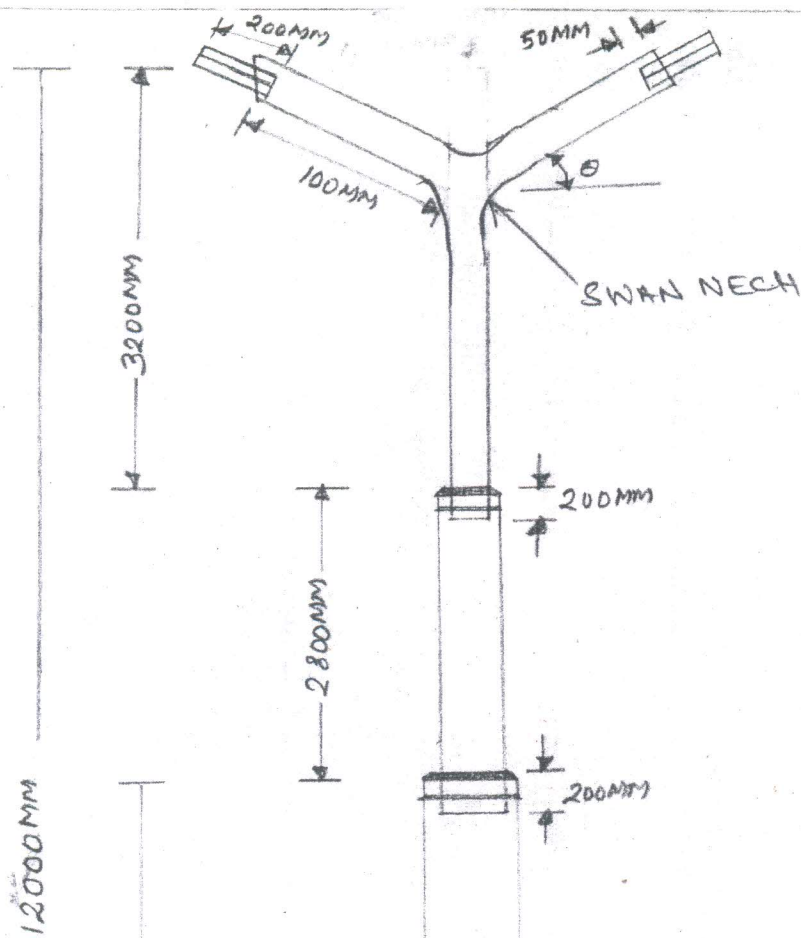
(Note : The attached drawings are for Tender Purpose only ; During actual execution, some changes may occur)

(No of Pages - 3)

INTERMEDIATE ELECTRIFICATION OF NEW TOWNSHIP (For Schedule no -4) REF: M&S:ES:TS:001



SL. NO	DESCRIPTION
1 & 2	FIRST FLOOR QUARTERS
3& 4	GROUND FLOOR QUARTERS
1,2,3 &4	¾" GI CONDUIT
6	125A POWER JUNCTION BOX, 415V, 3PHASE, 4WIRE
7	4 X 25 SQ.MM CABLE
13 & 8	63A TPN SWITCH
10 &12	BOARDS ENERGY METER
9 &11	63A PORCELEIN FUSES
14	19 MM WATER PROOF PLY WOOD



M/S: ESTS: 002

NOTE

→ ALL PIPE THICKNESS AND HEIGHTS ARE AS PER IS 2713 (PART I-III) 1980.

→ θ WILL BE DECIDED AT THE SITE

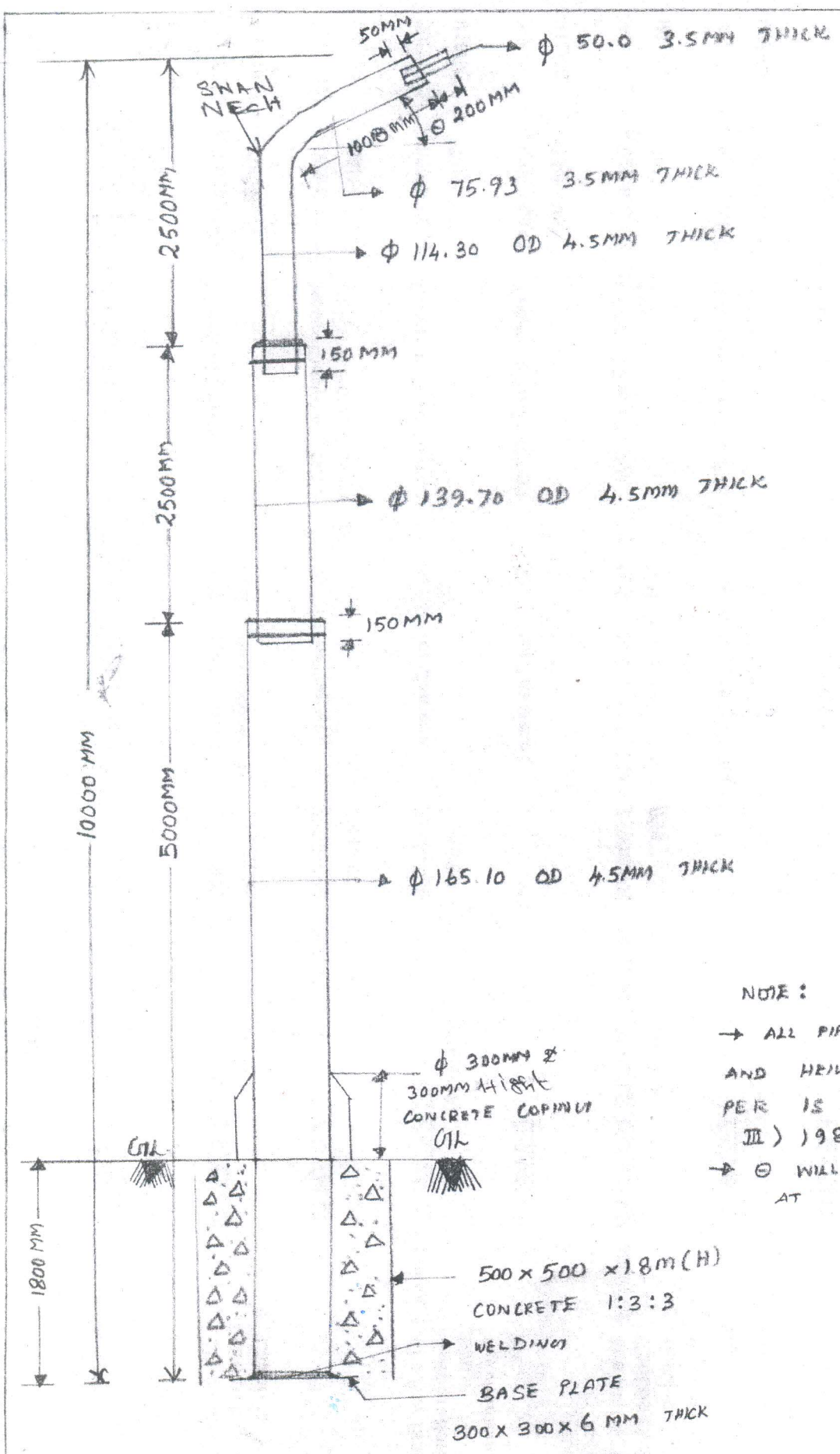
CONCRETE COPING
400 HIGH x ϕ 300MM

2000MM

500 x 500 x 1800(H)
CONCRETE 1:3:3

WELDING

M.S 300 x 300 x 6MM THICK
BASE PLATE



NOTE :

- ALL PIPE THICKNESS AND HEIGHTS ARE AS PER IS 2713 (PART-I-III) 1980
- Ø WILL BE DECIDED AT SITE

M 951 ES: TS: 003

TENDER DOCUMENT

TENDER NOTICE NO: BAP:M&S:TE:EL:12:007:DT:05.06.2012

Name of work	Intermediate electrification, street lighting and fence lighting for township expansion (B &C type quarters)
Period of Contract	Three months

Issued to M/s. :

**PART – II – PRICE BID
(No of Pages - 4)**



MAINTENANCE & SERVICES DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
BOILER AUXILIARIES PLANT
INDIRA GANDHI INDUSTRIAL COMPLEX
RANIPET - 632 406

ISSUING OFFICER

BILL OF MATERIAL

PART - II - PRICE BID

Name of work : Intermediate electrification, street lighting and fence lighting for township expansion (B &C type quarters)

Tender No: BAP:M&S:TE:EL:12:007:DT:05.06.2012

SL. NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Laying of one no of 4C X 25 Sq.mm PVC Ar. Al. cable between intermediate pillar box to power junction box as follows. The cable will be supplied by BHEL free of cost.				
1.1	In ground as per specification & drawing in ordinary soil .The supply of sand and bricks are in contract scope.	4000	Mtrs		
1.2	In ground as per specification & drawing in hard rock . The supply of sand and bricks are in contract	500	Mtrs		
1.3	On wall / conduit . The supply of suitable size of G.I conduit is in contract scope.	1000	Mtrs		
2	Laying of one no of 4C X 10 sq.mm. Ar. Al. conductor PVC insulated cable (IS 1554 part-I). The cable will be supplied by BHEL free of cost. a. FDB to Timer Box = 100 mtrs b. Timer Box to Pole 1 = 100 mtrs c. Pole to Pole = 3500 mtrs d. Others = 1950 mtrs Total = 5650 Mtrs (2.1 , 2.2)				
2.1	In the Ordinary soil / Soft rock ground as per our specification and drawing including sand cushioning and protective covering with bricks.	2825	Mtrs		
2.2	Hard rock / Road / Concrete ground as per our specification and drawing including sand cushioning and protective covering with bricks.	2825	Mtrs		
2.3	On wall /pole/ with necessary clamps etc. a) On poles=116nox2m/pole=232 mtrs. b)FDB to timer box =10 mtrs. c) fencing light cable = 780 mtrs	1022	Mtrs		
3	Laying of one no of 2C x 2.5 sq.mm PVC insulated sheathed un-armored Copper cable inside the Pole with necessary fixtures etc., as per the BHEL Safety Rules and Special Instructions. The cable will be supplied by BHEL free of cost. a. 12 X2 mtrs x 18 Nos = 432 mtrs b. 10 mtrs X 98 nos = 980 mtrs	1412	Mtrs		

Tender No: BAP:M&S:TE:EL:12:007:DT:05.06.2012

SL. NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	Supply and Making end termination for the following size of cable with suitable size of cable glands and lugs using anti corrosive paste. (All the above materials are in contractor scope)				
4.1	4C x 25 sqmm Ar.Al.cable	130	No's		
4.2	4C x 10 sqmm Ar.Al.cable a. FDB to Timer Box = 2 nos b. Timer Box to Pole 2 = 2 nos c. Pole to Pole 116 nos X 2 = 232 nos d. Metal junction box = 390 nos	626	No's		
4.3	2C x 2.5 sqmm unarmored copper cable a.Pole fittings -134 Nos.	134	No's		
5	Supply and fixing of 125A, Sheet steel powder coated power junction box made up of 1.6mm thick sheet with locking arrangement 415V, 3 phase, 4 wire size of box 12" X 8" X 100 mm depth(or above). 125A, 4 pole as incomer and 6 way, 63A (24nos.) open type bakelite terminal block as outgoing with necessary looping wire of 10sqmm copper wire with copper lugs are also contractor scope.	60	No's		
6	Supply and fixing of 3 phase 4 wire 415V metering board with 3 Nos of 63A porcelain kit cat fuses with base and 63A TPN fuse switch make: Havells / GE / Anchor on 19 mm water proof plywood of suitable sizes as per BHEL drawing no. M&S:ES:TS:001.	248	No's		
7	Supply and wiring of 4 runs X 6Sq.mm multistrand copper FRLS wire + 2 runs of 6sqmm multistrand FRLS copper wire in a 32mm GI conduit on wall / ceiling between power junction box to TNEB meter board upto TPN Switch.	900	Mtrs		
8	Supply and fixing of 32A 3 way earth clamp on metering board	240	No's		

SL. NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<p>Supply and Erection of Mild Steel Tubular pole of 12m Height with two numbers of MS pipe bracket for accomodating two nos of light fittings, and with MS base plate of size 6mm x 300mm x 300mm.as per the specification and drawing enclosed with concrete size for pole erection :- 500mm Width x 500mm Length x 2000mm Depth below ground level. Concrete coping size above the ground level : - 400mm Height x 300mm Diameter. Concrete ratio 1:3:3 shall be used for basement and coping. 25mm blue metals shall be used for the concrete preparation. Painting with one coat of suitable primer and two coats of Al. paint shall be applied on the pole and MS pipe bracket after thorough cleaning.</p> <p>Supply and Fixing of Weather proof MS box of size-200mm height x 240mm length x 150mm depth with 32A x 8way open type terminal block and 2 nos of 16A Porcelain Fuse carrier set on each pole with necessary clamps. Two coats of Al. paint shall be painted on the MS/GI box after thorough cleaning... The MS /GI box shall be provided with locking arrangement. Contractor has to submit the drawing to M/s BHEL and get approval before proceeding to fabrication of poles as per BHEL drawing no. . M&S:ES:TS:002.</p>	18	No's		
10	<p>Supply and Erection of Mild Steel Tubular <u>10m</u> Height street light pole with MS pipe bracket, and with MS base plate of size 6mm x 300mm x 300mm. Concrete size for pole erection :- 500mm Width x 500mm Length x 1800mm Depth below ground level. Concrete coping size above the ground level : - 300mm Height x 300mm Diameter. Concrete ratio 1:3:3 shall be used for basement and coping. 25mm blue metals shall be used for the concrete preparation. Painting with one coat of suitable primer and two coats of Al. paint shall be applied on the pole and MS pipe bracket after thorough cleaning.The Pole and MS Pipe bracket shall be Fabricated as per BHEL drawing no. M&S:ES:TS:003 and as per IS 2713(Part-I to Part-III)-1980.</p> <p>Supply and Fixing of Weather proof MS/GI box of size-200mm height x 240mm length x 150mm depth with 32A x 8way open type terminal block and 16A Porcelain Fuse carrier set on each pole with necessary clamps. Two coats of Al. paint shall be painted on the MS box after thorough cleaning... The MS box shall be provided with locking arrangement. Contractor has to submit the drawing to M/s BHEL and get approval before proceeding to fabrication of poles.</p>	98	No's		

Tender No: BAP:M&S:TE:EL:12:007:DT:05.06.2012						
SL. NO		DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11		Fixing of 1 x 250 or 1 x 150 Watts capacity 230 V metal halide lamp street light fitting on the MS pipe bracket. The light fitting will be supplied by BHEL free of cost.	134	No's		
12		Supply and Fixing of Timer Box (weather Proof) of approximate Size 500 X 700 X 300 mm –Single door ,Lock and key made up of 1.6mm sheet steel powder coated and with hinged single door with following items. a) 24 Hrs Digital Timer, INPUT VOLTAGE -230V, AC,1 NO + 1NC,Frontier make/GE make/Seimens/or any standard make b) 40 Amps, 415 V, Coil V-230 V, 4 pole contactor of make BCH/GE/L&T/Seimens c) 32 A, 12way, open type terminal block d) 20 A KIT CAT FUSE -03 nos e) 10 A, 250 V, Bypass Toggle switch f) Wiring with 2.5sq.mm Copper flexible PVC wire shall be done.All the above items should be neatly fixed in the timer box and supplied .	8	No's		
13		Fixing of 40 W weather proof fluorescent street light fitting in the span of 10m on existing fencing at new township. Necessary pipe bracket and fixing clamps to be supplied by the contractor for fixing the light fitting. The light fitting only will be supplied by BHEL free of cost.	196	No's		
14		Supply and fixing of 4" x 6" metal junction box with 30A 6way open type terminal block.	196	No's		
15		Wiring of fluorescent fitting to junction box using 2C x 2.5 sq.mm cable. The cable will be supplied by BHEL free of cost.	390	Mtrs		
16		TOTAL AMOUNT (1 to 15)				
17		SERVICE TAX @ ____ % (Please see point 3 below)				
		GRAND TOTAL AMOUNT (16 + 17)				

Note

1	The free issue material is listed in Annexure-A and the total value is Rs 17.63 lakhs. bidders should take care of the financial implication on account of service tax on free issue material .
2	Applicable Service tax is exclusive in the quoted price and proof for payment of service tax shall be enclosed for releasing the payments.
3	Quote without applicable service tax % is liable for rejection.