

TENDER DOCUMENT

TENDER SPECIFICATION No : **BAP:CTS:OT:02 / 2014-15. Dt. 01.07.2014**

NAME OF WORK:

INTERNAL ELECTRIFICATION OF NEW `C' & `D' TYPE QUARTERS (C Type – 144 & D Type – 12, TOTAL:156 HOUSES) UNDER CONSTRUCTION IN BHEL-TOWNSHIP, BAP, RANIPET – 06, TAMIL NADU .

Issued to M/s. :

PART – I – TECHNICAL BID

(or Qualification Bid)

(Pages 1 – 47)



CIVIL TOWNSHIP DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

INDIRA GANDHI INDUSTRIAL COMPLEX

RANIPET – 632 406

CONTENTS

CHAPTER	DESCRIPTION	PAGE
1	NOTICE INVITING TENDER	3, 4
	Important Note to Tenderers	5, 6
	Special Terms & Conditions to Enquiry	7
2	GENERAL TERMS & CONDITIONS OF REVERSE AUCTION	8 - 10
3	QUALIFICATION REQUIREMENTS (QR)	11 - 14
4	CERTIFICATE OF NO DEVIATION	15
5	BRIEF SCOPE OF WORK	16, 17
6	GENERAL CONDITIONS OF CONTRACT	18 - 27
7	GENERAL INSTRUCTIONS TO TENDERERS	28 - 33
8	SPECIAL INSTRUCTIONS TO TENDERERS	34, 35
9	SERVICE TAX etc	36 -41
10	NEFT FORM	42
11	GENERAL CONDITIONS OF CONTRACT	43-100
12	DRAWINGS	101 - 111
13	PART – II – PRICE BID	112 - 117

CIVIL TOWNSHIP DEPARTMENT

<i>NOTICE INVITING TENDER</i>	
Tender Notice No	BAP:CTS:OT:02 / 2014-15 Dt. 01.07.2014
Name of work	INTERNAL ELECTRIFICATION OF NEW 'C' & 'D' - TYPE QUARTERS (C-Type-144Houses + D-Type-12Houses =156 HOUSES) UNDER CONSTRUCTION IN BHEL-TOWNSHIP, BAP, RANIPET -06 (T.N).
Period of contract	8 Months
Tender Document Cost	Rs. 750/- (Non – Refundable) + Rs. 100/- for postal charges
Earnest Money Deposit (EMD) Amount	Rs. 2,00,000/- (Rs. Two Lakh only)
Last date & Time for Receipt of the Tender	28.07.2014 @ 15.00 Hrs.
Date of Technical bid Opening	28.07.2014 @ 15.00 Hrs..
<i>(Please obtain updated information from the website about the latest applicable dates & other changes if any in the tender contents)</i>	
Date of Price Bid Opening	Tenderers whose technical bids are found acceptable will be intimated separately about the status of their offers and the date of opening of Price Bids / Reverse auction .
Place of submission of Tender	Tender Box placed in Civil Township Office, BHEL Township Ranipet – 632 406
Address on the Sealed Tender Cover to be:	ADDITIONAL GENERAL MANAGER CIVIL TOWNSHIP DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED RANIPET – 632 406 VELLORE DISTRICT TAMIL NADU
Venue of the Tender Opening	Civil Township Office
Guarantee Period	6 months from the date of actual completion of the entire work and handed over to Bharat Heavy Electricals Limited.
<p>1. The Tender documents can be down loaded from BHEL website (http://www.bhel.com/tender/list_tender.php), CPP Portal and Tender India also. Tender document charges shall be paid along with or before submission of offer.</p>	

NOTICE INVITING TENDER

2. Interested bidders may alternately collect hard copy of tender specification documents from Civil Township Dept / BHEL / Ranipet on all working days (between 10.00 to 15.00 hrs) within the sale period on payment of tender document charges.
3. **Tender specification document charges (Non-refundable)** : Rs.750/- by Demand Draft (DD) in favour of BHEL payable at Ranipet or by Cash. Courier / Postal charges will be Rs.100 extra if tender specification documents are requested through courier / post. The tender documents are not transferable.
4. BHEL will not take any responsibility for delay / loss of documents or correspondence sent by courier / post.
5. BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.
6. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web page (www.bhel.com > **Tender notifications** > **view corrigendum**) only and not in the news papers. **Bidders shall keep themselves updated with all the such developments.**
7. 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.

NOTICE INVITING TENDER

IMPORTANT NOTE TO TENDERERS

Tenderers are requested to submit their offers 'in a sealed cover' **consisting of three inner sealed covers** such as 1) EMD cover containing DD for EMD & DD for Tender Document cost 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). Tenderers who had already remitted one time EMD of Rs. 2 Lakh should 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 and the Qualification bid & Price bid shall not be considered. EMD in any other form except DD will not be accepted.**
- 2) **Technical Bid (or called Qualification bid) cover shall contain duly filled in qualification bid document signed by the Tenderer in all the pages with documentary evidences for pre-qualification such as Balance sheet, PL 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 duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rates for all the items in the Bill of Materials in price bid. The completed qualification bid and price bid along with requisite EMD of Rs 2,00,000 /- 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 28.07.2014 at 15.00 Hrs.****

(This earnest money deposit will be refunded to the unsuccessful tenderers after finalization of the award of work. In case of successful tenderer, 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 / completion of Reverse Auction process, 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 bid / Technical will be opened on the same day at 15.00 hrs. 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 / Reverse auction shall be intimated to those bidders who have qualified after evaluation of the qualification bid. You / Your authorized representative may participate in the tender opening for which they shall bring authorization letter for attending tender opening.**

NOTICE INVITING TENDER

- 5) **Tenderers are required to submit their price bid in the BHEL format only and the quoted tender percentage above / at par / below shall be quoted in the price format attached at the end of the Price Bid volume only (page 50 to 70).**
- 6) **Seeking clarification on Tender Specification :** Clarifications on tender specification if any may be sought by the bidders so as to reach this office at least seven days before the last date for tender submission. BHEL shall not be responsible for receipt of queries after the due date for seeking of clarification due to postal delay.

**BHEL's Contact Officials 1) Manager / Electrical – 04172 – 284747/4736;09443625498
2) Manager / Civil – 04172 – 284440; 09442201087**

- 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 Part-II (PRICE BID) are liable to be rejected.
- 10) **The tenderer has to quote their tender percentage above / at par / below the BHEL Estimate value of the work furnished in the Price Bid Rate Schedule. Rate quoted in any other form shall not be accepted and may lead to rejection of the tender.**
- 11) **The tender offer should be kept valid for 3 MONTHS from the date of bid opening / Reverse Auction 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) **Liquidated Damages / Penalty:** BHEL will impose Liquidated Damages and Penalty as per suitable clauses in the Tender Specifications on account of delay, violation of contract conditions and non-performance attributable to the contractor.
- 13) **REVERSE AUCTION:** BHEL Reserves the right to adopt the process of **Reverse Auction (ON LINE BIDDING on INTERNET)** among the bidders who are found to be qualified on the basis of technical bid. Refer the **General Terms and Conditions of reverse auction** in in Pages **8 & 9**. No extension of time on this account will be entertained for bid submission
- 14) **Quoted rate shall be firm through out the contract period of 8 months and extended contract period also and no cost escalation is allowed on any account.**
- 15) **The similar works executed in the own name of the tenderer only will be considered for eligibility / qualification criteria.**

NOTICE INVITING TENDER

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,

**Manager / Electrical
Civil Township Department**

1. REVERSE AUCTION :

“BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit “online sealed bid” in the Reverse Auction. Non-submission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.”

Terms & Conditions of Reverse Auction :

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit „online sealed bid“ in the Reverse Auction. Non-submission of „online sealed bid“ by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.

10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL"s standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

QUALIFICATION REQUIREMENTS (QR) :

Qualifying Criteria for Tenderer :

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

- A) 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..
- B) Average annual financial turnover during the last 3 years ending 31st March 2014 or 31st March 2013 in case accounts for 2013-14 are not finalized should be at least 30% of the estimated cost.

The tenderer should submit audited balance sheet and Profit & Loss account for the last three years, duly certified by chartered accountant / auditor.

AND

C) Experience of having successfully completed similar works during the last 7 years as on 30th JUNE 2014 for Government Departments / Government Undertakings / reputed private sectors etc. should be any one of the following:

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

OR

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

OR

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

Note: i) Possession of PF registration number is not mandatory. However the successful tenderer has to register with PF authorities and furnish the registration number before first Running Account Bill. The PF amount deducted from their employees are to be deposited in this PF code along with their contribution.

ii) 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.

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

Note 1 : `Similar Works' mentioned in clause B) above shall mean successfully executed internal electrification works of Residential houses / Multi – storey housing complexes / Office / public buildings / Industrial buildings of Government Departments / Government Undertakings / reputed private sectors / Institutions etc.

Documents Required for proof of QR:

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

- a. Copy of Income tax return of LAST Three years (actual copy of Financial Year (FY) 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. Tenderer has to submit a copy's of PAN No. , VAT Registration / TIN No.& Service Tax Registration No. If the contractor has the valid PF & ESI registration No. the proof of those may be submitted.

C. The contractor / authorized signatory of the contractor (authorization letter / power of attorney should be enclosed) shall affix his *signature with stamp at the end of each page of this tender documents (both technical bid and price bid) and submit.*

- d. Tenderer has to submit the **No Deviation Certificate** duly signed in the format in page- 15.
- e. The work executed in the own name of the tenderer only will be considered for similar works executed for meeting the eligibility criteria.

QUESTIONNAIRE

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

Sl.No.	Description	Yes	No
01	Whether the tenderer has understood the scope of work and agrees to deploy required man power as indicated in the tender. (If there is any clarification required, the same may be got cleared from the Executive-in-charge, before submitting the offer.)		
02	Whether the tenderer has agreed to all Terms & Conditions given in the tender. (If there is any deviation, the same may be mentioned in separate sheet.)		
03	Whether the tenderer has their own code for ESI & PF. (A copy of the certificate to be enclosed).		
04	Whether the tenderer 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 tenderer 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 vendor is furnished. If exempted from IT, the exemption certificate shall be enclosed.		
09	Whether the tenderer agrees to keep the validity of their offer for three months from the date of opening of bid and keep the prices firm throughout the contract period.		
10	Whether the tenderer agrees for the payment terms of BHEL.		
11	Whether the tenderer has agreed to submit EMD of <u>Rs.2,00,000/-</u> and has submitted the same along with technical bid. (If not enclosed the tender will not be considered) shall be in the form of Pay order or DD payable at Ranipet.		
12	Whether the tenderer has agreed to submit Security Deposit immediately after receipt of the work order.		
13	Whether the tenderer has enclosed the list of their clients with addresses & contact persons.		

ACCEPTING OFFICER

13

TENDERER

14	Whether the tenderer has enclosed the completion certificates received from Government / Reputed organization for the similar work done for the last 7 years ending 30.06.2014.		
15	Whether the tenderer has enclosed the list of similar works carried out with supporting documents		
16	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.		
17	All payments by BHEL will be made through e-payment only. The required certificate as enclosed in the tender is submitted by the vendor with Banker's signature.		
18	Whether the tenderer has enclosed the list of technical personnel, their qualification & experience who will be deployed for this work.		
19	Whether the tenderer has indicated the address of their local office in Ranipet along with phone no. & fax no.		
20	Whether the tenderer has enclosed the DD towards the cost of Tender Document, along with the Technical bid. (In case the tenderer has downloaded the tender document directly from the Web Site and If DD is not enclosed, the tender will not be considered).		
21	Whether the tenderer accepts reverse auctioning process through internet.		
22	Whether the tenderer has enclosed the annual report for the last three years,		
23	Whether the tenderer has submitted the proof of average annual turnover for last 3 years.		

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 tenderer

BRIEF SCOPE OF WORK

- BHEL, Ranipet has recently started constructing 156 new Quarters (houses) for their employees in the location Zone – III & Zone – I of the Township as per the details given below:
 - i) **Type `C`** – 36 Blocks, each with 2 Quarters in Ground Floor and 2 Quarters in the First Floor (**TOTAL `C` TYPE QUARTERS : 144 Quarters**)
 - ii) **Type `D`** – 4 dual Blocks, each with 2 quarters – each quarter having a Ground Floor and a First Floor – **8 Quarters**
 - iii) **Type `D`** – 4 single Blocks, each with a Ground Floor and a First Floor as one Quarter – **4 Quarters**.

(**TOTAL `D` TYPE QUARTERS : 12 Quarters with servant Quarters annexe**)
- This tender is floated for carrying out the work of Internal Electrification of all these quarters by supplying all electrical fittings, cables / wires, conduits etc as detailed in the Rate Schedule / Bill of Quantities in Part – II, Price Bid of the tender.
- The contractor for this work shall **carry out the whole work with his materials, required suitable man power, consumables and all tools and plants. Modern tools & plants have to be used for the work, if required.** The widths of grooves taken on walls may be as minimum as possible with lesser impacts to the walls while making grooves for concealed wiring.
- **BHEL will supply only ceiling fans 636 nos. for all the quarters on free issue basis. The value of the free issue ceiling fans is about Rs. 6.9 Lakh; The service tax applicable for the free issue ceiling fans shall be considered within the service tax quote to be made in the Rate Schedule / absorb within the quoted rates.**
- **Contractors have to make their own arrangement for water and electricity if required for carrying out the work within their quoted rates.**
- **Till handing over of the Quarters to BHEL, the electrical contractor is responsible for all the electrical items incorporated in the quarters including watch & ward responsibility..**
- **No advance / Mobilization advance will be given to the contractor.**
- The contractor should use only the materials of brand and quality as approved by BHEL. 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.
- BHEL shall allot a temporary place to the contractor at the site of work for constructing a site office and store shed at free of charges. After the work, the sheds to be removed, material cleared and the location to be leveled, cleaned and made pucca.

- Contractor shall do rough / smooth plastering of the grooves made by them in the walls etc for concealed wiring using their cement, sand etc with in the quoted rates.
- If cable/cables has to be laid in ground the following specification should be followed, for low tension cable single run, for one run of cable: the trench should be excavated to a depth such that the cable will be laid at a minimum depth of 750mm and spread 50mm deep layer of sand below the cable in trench after laying the cable also spread 50mm deep layer of sand above the cable. Lay good quality bricks breath wise only above the cable. And cover the sand layer all around the cable trench. Then, complete the earth filling. The bricks shall be good quality with size 100mmX75mmX225mm.
- The contractor shall liaison with TNEB for getting service connection to the houses with due certificates of the electrical works carried out by them with complying required formalities within the quoted rates. Contractor has to co-ordinate with TNEB for getting power supply to the quarters, energy meters and also for certification. Only necessary TNEB statutory fees will be paid by BHEL for getting the service connection.
- The contractor should extend fullest co-operation to the other Civil / Electrical contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay / difficulty.

BHARAT HEAVY ELECTRICALS LIMITED
BOILER AUXILIARIES PLANT RANIPET - 6

CIVIL TOWNSHIP DEPARTMENT

GENERAL CONDITIONS OF CONTRACT / ELECTRICAL

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 AGM / CF&TS (Civil Factory & Township) to supervise the work or part thereof.
- e) "Approved" and "Directed" means, the approval or direction of AGM/ CF&TS, 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 AGM/ CF&TS 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 recognised 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 AGM/ CF&TS. 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.

9. SECURITY DEPOSIT

- a) Security Deposit shall be collected from the successful tenderer. 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.

50% of the security deposit may be refunded on completion of the work after payment of the final bill and the balance 50% of the security deposit is refundable

only after the expiry of the maintenance period of six (6) months from date of completion of work as stipulated in the contract concerned.

- viii) EMD of the successful tenderer can be converted and adjusted against the Security Deposit.
- ix) No interest shall be payable by BHEL on Earnest Money or Security Deposit, if applicable, or any money due to the Contractor by BHEL

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 AGM/ CF&TS, 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 AGM/ CF&TS or the OFFICER-INCHARGE, to receive instructions.

AGM/CF&TS, 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. LABOUR.

The Contractor shall remain liable for the payment of all wages or other moneys to his work-people 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. 296 / day, Semi-Skilled Worker is Rs. 289 / day and for Un-Skilled Worker it is Rs. 281 / 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.

13. 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.

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

The Contractor shall at his own expense reinstate and make good to the satisfaction of the AGM/ CF&TS, 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.

15 LAWS GOVERNING THE CONTRACT

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

16. 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 AGM/ CP&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 AGM/ CP&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 AGM/ CP&S , whose decision shall be final and conclusive.

c) CANCELLATION OF CONTRACT IN PART OR FULL FOR CONTRACTOR'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 AGM/CP&S or his authorized representative ;
- 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 AGM/ CP&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 AGM/ CP&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 AGM/ CP&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 AGM/ CP&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.

17. 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 AGM/ CP&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.
- c) 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.

18. PAYMENT OF BILLS

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 AGM/ CP&S or any official of TOWNSHIP CIVIL Department authorized by him for this purpose..

19. 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.

20. 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 subparagraphs. However no such recovery shall be enforced after three years of passing the final bill.

21. REFUND OF SECURITY DEPOSIT

The Security Deposit mentioned in condition 10 above may be refunded to the Contractor after a period of 6 months on termination or expiry of the contract provided always that the Contractor shall first have been paid the last and final bill and have rendered a "NO DEMAND CERTIFICATE".

22. 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 AGM / CF&TS subject to prompt notification by the contractor.

23. 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 AGM/ CP&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.

24. 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.

25. 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.
26. 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.
27. 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.
28. Contractor wherever applicable shall maintain proper records prescribed by the concerned statutory authorities and provides a copy of the same to BHEL.
29. Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
30. **Compensation for Delay** : If any delay in completion of the work occurs beyond the stipulated / extended contract period due to reasons attributable to the contractor, the contractor shall compensate BHEL for the delay and pay a penalty @ ½ % per week subject to maximum of 7 1/2 % (seven & half) of at contract rates of the work ordered.

The amount of compensation may be adjusted or set-off against any sum payable to the contractor under this or any other contract with the BHEL.

31. General

The Contractor should follow all the provisions of Labour Legislation and Statutory obligations. Provisions as and when amended will also apply.

32. BHEL's GENERAL CONDITIONS / GENERAL (GCC) OF CONTRACT IS ALSO ATTACHED HITHER TO FORM PART OF THIS TENDER.

GENERAL INSTRUCTIONS TO TENDERERS

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

**Additional General Manager,
Civil Township Department,
Bharat Heavy Electricals Limited,
RANIPET – 632 406.**

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

3. Tenders will be received up to 15.00 Hrs. on 28.07.2014 in the prescribed form and will be opened on 28.07.2014 at 15.00 Hrs. at **CIVIL TOWNSHIP** in the presence of such of those Tenderers or their agents who may choose to attend.
4. All entries in the tender documents should be in one ink. **Erasures and over-writing are not permitted.** The Tenderers concerned should duly sign all cancellations and insertions.
5. Tenderer should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign and seal each and every page of the tender document including the drawings/annexure attached thereto before submitting the tender.
6. 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 for rejection.
7. Tenders not submitted in the prescribed forms are liable for rejection.
8. In quoting the rates, the Tenderers 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 Tenderers 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 Tenderers, 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 tender.
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.2,00,000/- (Rupees Two Lakh 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, the lower of the two rates 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 service tax which is to be quoted extra at the end of the Rate Schedule. REVERSE CHARGE PROVISION OF SERVICE TAX SHALL APPLY. BHEL will reimburse the service tax to the contractor, subject to service tax rules in force. The Bharat Heavy Electrical Limited will not entertain any claim whatsoever in this respect after the issue of contract. The lowest bidder will be decided including the service tax amount.

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

The tenderer shall not include Service Tax in their quoted rates. 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.**

18. Should a Tenderer 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 tenderer 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.
19. 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.
20. Quantities shown in the attached schedules are only approximate and liable to change without entitling the contractor for any compensation.
21. Should a Tenderer 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.
22. If the Tenderer expires after submission of his tender, the Bharat Heavy Electricals Limited may be at the discretion of cancel such tender.
23. 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.
24. The Bharat Heavy Electricals Limited will not bound by any Power of Attorney granted by the Tenderer 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.
25. 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.
26. Words imparting the singular number shall also deem to include the plural number and vice versa where the context so requires.
27. The expenses for completing and stamping the agreement shall be to the contractor's account.
28. 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.

29. Tenderers shall not increase their quoted rates in case 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 Tenderers for a period of Three months from the date of opening of tender.
30. 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.
31. 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.
32. The "GENERAL INSTRUCTIONS TO TENDERERS" shall be deemed to form an integral part of contract for the work to be entered into.
- 33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. 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.
40. Compliance of the above provisions does not absolve the obligation of contractor arising out of other statutory obligations.
41. **Employment of child labour is strictly prohibited.**
42. Contractor should employ only persons having sound health and not above the age of 58 years, and not below the age of 18 years.
43. 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.
44. The Tenderer should be present if called for negotiation both technical and commercial. In case, the Tenderer's authorized person is attending the negotiation such person should have the authorization letter and he should be capable of taking spot decisions.
45. In case the tenderer 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.
46. If required Tenderers may visit the site/working area and obtain all clarifications from Tender Issuing Officer regarding the nature of job before offering their quotation.
47. The tenderer 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.
48. The contractor should have registered for Service Tax and a copy of registration certificate shall be attached along with the offer.
49. The contractor shall indicate all the applicable taxes in the offer and any claim after the issue of contract will not be entertained.
50. In case if any Taxes not applicable, like due to threshold limit etc. Same may be clearly indicated in the offer by the Tenderer.

OTHER SPECIAL INSTRUCTIONS TO TENDERERS, CONDITIONS & SPECIFICATIONS :

SL. No.	Name of accessory	<u>Recommended make for all C & D Type Quarters</u>
01	MCB Distribution Boards	Legrand, L&T hager, Siemens, Anchor, Hawells make Only.
02	Single core multi strand copper cable	1100 Volt Grade, Flame Retardant Low Smoke Type Only. FINOLEX, OMEX, L&T, HAVELLS, SUNCAB, ANCHOR, KUNDAN CAB OR ANY ISI APPROVED MAKES ONLY.
03	Television Socket, Telephone Socket.	Modular Type – Anchor, Havells, L&T.
04	G.I. Modular Switch Box / Inner and Outer Plates, Modular Switches, Sockets, Blank (Dummy) plate etc	Anchor – Roma, Havells, L&T Only.
05	Luminaries such as Tube light fittings, CFLs, Incandescent Bulbs etc.,.	Philips, GEC, Crompton Greaves, Bajaj, Havells or any ISI Approved make Only. <u>Tube light fittings shall be with copper choke & starter type.</u>
06	Ceiling Fan Speed Regulator	2 Module, Step Fan Regulator. Anchor – Roma, Havells, L&T – Modular Type Only.
07	For Air Conditioner – Metallic MCB Distribution Board with Metal Clad Socket + Plug top.	Legrand, L&T hager, Siemens, Anchor make Only.
08	Rotary Switches	L&T Salzer, Kaycee, Siemens
09	Exhaust fan	Orient, Crompton Greaves, Usha, Khaitan, Havells, Almonard. Self Closing Louvers shall also be provided.
10	PVC Conduits	2 mm Thickness for RCC roof concrete portion. 1.5 mm Thickness for concealing in wall.
11	Ceiling Rose	Ceiling rose with 3 pin connection has to be provided to facilitate Phase, Neutral & Earth connection.
12	Combination Fuse switches / Switch fuses	GEC Alstom, L&T, Havells, Standard
13	Generally all materials supplied by the Contractor	Shall be of standard make agreeable to the Engineer-in-Charge & should have been certified by ISI.
14	MCB's	Siemens, Legrend, Hawells, L&T HAGER, LOADSTAR makes only
15	ICTP/ICDP SWITCHES	Anchor, Hawels, L&T, Siemens, STD, CGL, BCH, GE, KUNDAN.

1. Fuse switches/switch fuses shall be of the one of the following make only: GE,HAWELS, ANCHOR, L&T,BCH,SIEMENS,GEC,KUNDAN
2. The DP switches, SP Switches, Plugs and socket, if any shall be of standard make agreeable to BHEL engineer in charge and should have been certified by ISI.
3. All Materials supplied by the contractor should confirm to relevant IS / BS Specification.
4. Single core, Single/ Multi strand cables shall be of ISI APPROVED make ONLY..
 - A) The armored cable shall be of ISI approved make only. Test Certificate of cables are to be submitted.

5. The wiring shall confirm to IS 732 or any other relevant INDIAN STANDER SPECIFICATION and INDIAN ELECTRICITY RULES. The installation shall also confirm to the regulation for the electrical equipments of building laid down by Insurance Association of India (FIRE SECTION).
6. Final layout, as well as Electrical drawings etc, should be submitted in advance for BHEL's approval. The Contractor should present at the time of inspection of the installation by the Electrical inspector/TNEB authorities. Any defect pointed out by the Electrical Inspector/TNEB authorities in the equipments or installations supplied by the contractor should be immediately rectified by the contractor free of cost.
7. 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.
8. The Completion Report should be submitted as per Appendix-F of IS 732.
9. The Contractor's Scope is INCLUSIVE of Co-ordination works with Local TNEB B authorities to obtain EB Service connections for all the individual quarters (156Quarters).
10. The Contractor should present at the time of receiving EB Service connections. Any defect pointed out by the EB authorities in the equipment (or) installations supplied by the contractor should be immediately rectified by the contractor free of cost.

SAFTEY RULES

11. A list of containing the same name of persons who are working, their age, designation, pay, nature of work is to be furnished immediately on receipt of the work order in TRIPLICATE.
12. The work should be carried out in the presence of contractor's supervisor and prior permission should be obtained from the concerned supervisor of the section before starting the work.
13. In case of Cable laying work, the work should be carried out after getting the prior permission from the concerned Electrical Supervisor and Civil Department for Digging the road when it is required to ensure that proper precautions are taken.
14. While digging the road, a good barricade and proper sign board should be provided in the area.
15. While erecting the poles, proper safety precautions, such as, supporting the pole, tying with ropes, suitable lifting tackles, etc are to be adhered to.
16. While working in heights, proper platform, ladder, safety belts etc should be used.
17. The necessary safety equipments such as Gloves, Lineman's Belts, Helmets, safety shoes etc must be issued to the workmen and to be used at work.
18. If contractor's workmen are found to be violate the safety regulations punitive action will be taken by with holding a sum of **Rs.500/- to Rs.1,000/-** for each violation.
19. These safety measures shall be deemed to form an integral part of the work order/agreement.
20. The contractor should arrange **WORKMEN COMPENSATION POLICY** covered for all his workmen. A copy of the Insurance policy has to be submitted before the commencement of the work. All the above General Instructions to Tenderer shall be deemed to form an integral part of the contract for the work to be entered into.

-SERVICE TAX-

Price Bid of Work : INTERNAL ELECTRIFICATION OF NEW 'C' & 'D' TYPE QUARTERS (C Type – 144 & D Type – 12, TOTAL:156 HOUSES) UNDER CONSTRUCTION IN BHEL-TOWNSHIP, BAP, RANIPET – 06, TAMIL NADU

The Bidder shall not include Service Tax in their quoted rates; but the bidder has to separately indicate the Service Tax rate, amount and workings thereof in the Price bid schedule included in the bid documents.

If service tax amount is not indicated separately in the price bid schedule included in the Bid documents, it will be presumed that the quoted rate is inclusive of applicable service tax and bids will be evaluated accordingly.

Works contract involving supply of materials by contractor

Approximate value of Free issue materials supplied by BHEL is **Rs 6.90** Lakh.

Bidders have to quote full Service Tax payable in the Price bid format included in the Bid document. Out of Full Service Tax amount indicated by the Bidder, 50% of the same shall be considered for evaluation of offers in the case of Bidders being an Individual, Sole Proprietaryship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons. For Other Bidders full Service Tax quoted shall be considered for evaluation.

In such cases of Bidders being an Individual, Sole Proprietary ship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons, Service Tax payable by BHEL as receiver of Works contract Service i.e. 50% of the Service Tax payable for Works contracts service on composition basis on “quoted price and the value of Free issue materials” by BHEL **@ 3.708 %** presently, shall be added to arrive at the total cost to BHEL for each bidder for the purpose of evaluation of Bids.

In such cases of successful Bidder being an Individual, Sole Proprietary ship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons, 50% ServiceTax amount quoted in the Price Bid format will be considered for reimbursement against valid documentary evidence. For others, Service Tax quoted in the Price Bid will be considered for reimbursement against valid documentary evidence. i.e original invoice, copy of service tax challan and service tax payment certificate.

“THE APPLICABLE SERVICE TAX IS _____ %” (TENDERER HAS TO QUOTE THE FULL SERVICE TAX PERCENTAGE HERE AT THE TIME OF SUBMISSION OF THE OFFER).

OTHER SIGNIFICANT CLAUSES

D) Clause regarding rates quoted in the tender:-

- i) If, in the price structure quoted for the required goods / services / works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - iii) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
 - iv) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
2. In quoting their rates, the tenderers are advised to take into account all factors including any **fluctuations** in market rates. No claim for enhanced rates will be entertained on this account after acceptance of the tender or during the currency of the contract.
3. **The rates to be quoted shall be firm** and shall inclusive of all applicable statutory levies arising from Central / State legislature and rules and regulations framed there under prevailing at the date 7 days prior to the last date of bid submission. Any variation in the existing statute or by introduction of new Tax and duties applicable to the above work within the scheduled date of completion as per contract will be to the account of BHEL at actual against the documentary evidence.

II) Percentage rate contract:

The tenderer shall quote a percentage above or below or at par, the estimate rates shown in the Bill of Quantities. The percentage quoted shall be clearly written both in words and figures.

The quoted percentage will apply to the individual items uniformly and the item of work other than those mentioned in Bill of Quantities will have to be carried out at the rates to be fixed by the organization.

For the item of work other than those mentioned in Bill of Quantities will have to be carried out at the rates to be fixed by the organization based on their workouts.

III) Benefits to Micro, Small & Medium Enterprises (MSE) : Guidelines of the Govt. of India shall be followed to provide benefits to MSE. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM-II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM-II certificate along with CA certificate (Format enclosed as per Appendix – IV) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM-II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents

APPENDIX FOR MSME CLAUSE

Certified by Chartered Accountant on letter head

This is 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 on date
..... 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 5, 2006 :
Rs..... Lakhs
2. **For Services 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:
Rs..... Lakhs

The above investment of Rs..... Lakhs is within permissible limit of
Rs..... Lakhs for Micro/Small (**Strike off
which is not applicable**) Category under MSMED Act 2006.

Date:

(Signature)

Name –

Membership Number –

Seal of Chartered Accountant

ANNEXURE: B

It is hereby agreed by me / us that the BHEL General Conditions of Contract including subsequent amendments / additions / deletions to clauses if any, and conditions pertaining to the settlement of disputes by Arbitration form an integral part of the tender documents and that the tender submitted by me / us is subject to the aforesaid BHEL General Conditions of Contract which has been read and accepted by me/us.

GENERAL CONDITIONS OF CONTRACT
FOR
LUMP SUM, ITEM RATE AND
PERCENTAGE CONTRACT

SPECIMEN

civ 02

GCC



Bharat Heavy Electricals Limited
BOILER AUXILIARIES PLANT
RANIPET - 632406

**GENERAL CONDITIONS OF CONTRACT
FOR
LUMP SUM, ITEM RATE AND
PERCENTAGE CONTRACT**



Bharat Heavy Electricals Limited

**BOILER AUXILIARIES PLANT
RANIPET - 632 406.**

CONTENTS

Condition No.	Description	Page No.
CHAPTER - I		
1.	DEFINITIONS	1
CHAPTER - II		
SCOPE OF CONTRACT		
2.	HEADING TO THE CONTRACT	4
3.	CONTRACT DOCUMENTS	4
3A.	SECRECY	4
4.	WORKS TO BE CARRIED OUT	4
5.	PROVISIONAL ITEMS	5
6.	DEVIATIONS	5
7.	TIME	6
8.	STORES & MATERIALS	7
9.	DELAY & EXTENSION OF TIME	9
10.	PATENT RIGHTS	10
11.	OCTROI & OTHER DUTIES	10
12.	ROYALTIES	10
13.	PLANT & EQUIPMENT	10
14.	ASSIGNMENT OR TRANSFER OF CONTRACT	11
	a) SUB - CONTRACT	11
15.	COMPLIANCE TO REGULATIONS AND BYE-LAWS	11
16.	DELETED	11
17.	DELETED	11

CHAPTER - III

SCOPE OF CONTRACT

18.	SECURITY DEPOSIT	12
19.	ORDERS UNDER THE CONTRACT	13
20.	ADMISSION TO SITE	13
21.	CONTRACTOR'S SUPERVISION	14
22.	LABOUR LAWS	15
23.	SAFETY RULES	15
24.	WATER	15
25.	TEMPORARY WORKSHOPS, STORES ETC.	15
26.	TOOLS & PLANT ON SITE	16
27.	STATEMENT OF HIRE CHARGES	16
28.	PRECAUTIONS AGAINST RISKS	16
29.	NOTICE & FEES	16
30.	SETTING OUT OF THE WORKS & PROTECTING & MAINTAINING SIGNALS AND WORKS	16
31.	SITE DRAINAGE	17
32.	EXCAVATIONS, RELICS ETC.,	17
33.	FOUNDATIONS	17
34.	COVERING IN WORK	17
35.	APPROVAL OF WORKS BY STAGES	18
36.	EXECUTION OF WORKS	18
37.	DAY WORK	18
38.	INSPECTION OF THE WORK	18
39.	RESPONSIBILITY FOR BUILDING	19
40.	INSURANCE OF WORKS	19

41.	DAMAGE AND LOSS TO PRIVATE PROPERTY & INJURY TO WORKMEN	20
42.	COMPLETION	20
43.	COMPENSATION FOR DELAY	21
44.	LAWS GOVERNING THE CONTRACT	21
45.	CANCELLATION OF CONTRACT FOR CORRUPT ACT	22
46.	CANCELLATION OF CONTRACT FOR INSOLVENCY	22
	ASSIGNMENT OF SUB-LETTING OF CONTRACT	
47.	CANCELLATION OF CONTRACT FOR DEFAULT	23
48.	TERMINATION OF CONTRACT FOR DEATH	24
49.	SPECIAL POWERS OF DETERMINATION	24
50.	DELETED	24

CHAPTER - IV

VALUATION AND PAYMENT

51.	RECORDS & MEASUREMENTS	25
52.	VALUATION OF DEVIATIONS	26
53.	REIMBURSEMENT / REFUND ON VARIATION IN PRICE	27
54.	ADVANCES ON ACCOUNT	28
55.	FINAL BILL	29
56.	PAYMENT OF BILLS	29
57.	RECOVERY FROM CONTRACTORS	30
58.	POST-TECHNICAL AUDIT OF WORK AND BILLS	30
59.	REFUND OF SECURITY DEPOSIT	30
60.	ARBITRATION	30
61.	JURISDICTION OF COURT	31
62.	PAYMENT OF TAXES, DUTIES & LEVIES	31

ANNEXURE

LABOUR LAWS	ANNEXURE - I	32
SAFETY RULES	ANNEXURE - II	50

CHAPTER - I

DEFINITIONS IN THE CONTRACT AS HEREINAFTER DEFINED

The following terms shall have the meanings hereby assigned to them, except here the context otherwise requires :-

- a. **'CONTRACT'** means and includes the conditions of contract, the documents forming the tender and acceptance, thereof, specifications, drawings, bill of quantities, schedule of rates and prices if any, general and special conditions of contract, schedules A,B,C,D and or general summary attached to the form of tender and contract agreements. All these terms and conditions and documents as applicable taken together shall be deemed to form one contract and thereby complementary to one another.
- b. **'TENDER DOCUMENTS'** means and includes the form of tender, the applicable schedules A, B, C, D and / or general summary, general and special conditions of contract and specifications and drawings as given to the contractors on payment.
- c. **'THE CONTRACTOR'** means the person or persons, firm or company whether incorporated or not, whose tender is being accepted and includes the contractor's legal / personal representatives, successors and permitted assignees.
- d. **'THE WORK'** means the work described in the tender documents and / or individual work orders, drawings and specifications as may be issued from time to time to the contractor by the Engineer - In - Charge within the powers conferred upon them including modified or additional works and obligations to be carried out either at the site or at any factory, workshop or any other place as required for the performance of the contract.
- e. **'THE SITE'** means the lands and other places on, under, in or through which the work has to be executed under the contract and any other lands and places provided by the company for the purpose of carrying out the contract.
- f. **'THE COMPANY'** referred to as BHEL in this contract shall mean M/s. Bharat Heavy Electricals Limited including its Board of Directors, Director, Executive Director, Group General Manager, General manager, Dy. General Manager and / or the Officers of the company including Sr. Manager, Manager, Dy. Manager, Sr. Engineer and Engineer authorised on behalf of Bharat Heavy Electricals Limited, Boiler Auxiliaries Plant, Ranipet.
- g. **'THE ACCEPTING OFFICER'** means the official who signs the contract agreement on behalf of Bharat Heavy Electricals Limited and includes his successors.
- h. **'ENGINEER-IN-CHARGE'** means the Officer / Engineer of BHEL who is in charge of works under the contract and includes such other Officer / Engineer as may be notified by BHEL from time to time.
- i. **'APPROVED AND DIRECTED'** means approval and / or directions of the Officers / Engineers of BHEL issued from time to time with regard to the contract.

- j. In the case of Lump-sum Contracts '**CONTRACTOR'S PERCENTAGE**' means the percentage offered by the Contractor as addition to our deduction from the cost of building, or other works listed in Schedule "A" to provide a Lump-sum quotation for performance of the contract inclusive of all extra costs, profit, establishment charges, carriage, insurance etc., complete.
- In the case of percentage Rate "Contracts Contractor's Percentage" shall, if the context so permits mean the uniform percentage tendered by the Contractor and accepted by the Accepting Officer; and the expression '**CONTRACT RATE**' shall likewise mean the rates in the BHEL Schedule of Rate applicable as on date as adjusted by the said Contractor's percentage, if any.
- k. '**THE CONTRACT SUM**' means the sum accepted or the sum calculated in accordance with the prices accepted in the tender and / or the contract rates as payable to the contractor for the execution and full completion of the work.
- l. The '**FINAL SUM**' means the actual amount payable under the Contract by BHEL, to the Contractor for the entire Execution and full completion of the work.
- m. The '**DATE OF COMPLETION**' is the date or dates for completion of the whole or any part of the work as the case may be set out in or ascertained in accordance with the individual work orders of the tender documents, or any subsequent agreed amendments thereto.
- n. A '**WEEK**' means seven days without regard to the number of hours worked or not in any day in that week.
- o. A '**DAY**' means a day of 24 (Twenty Four) hours irrespective of the number of hours worked or not in that day.
- p. A '**WORKING DAY**' means any day other than the holidays declared by BHEL, Ranipet.
- q. '**DEVIATION ORDER**' means an order given by the Engineer-in-Charge to effect an alternation addition or deduction which does not radically affect the scope or nature of the contract.
- r. '**EMERGENCY WORKS**' means any urgent measures which in the opinion of the Engineer-In-Charge, become necessary during the progress of the work to obviate any risk of accident or failure which become necessary for security.
- s. '**PROVISIONAL SUM**' or "Provisional Lump-sum" means a Lump-sum included by the BHEL in the tender documents and represents the estimated value of work for which details are not available at the time of inviting the tender.
- t. '**PROVISIONAL ITEMS**' means items for which approximate quantities have been included in the tender documents.
- u. '**DAY WORK**' means an item of work requiring the employment of labour with or without materials as the case may be which in the opinion of the Engineer-in-charge, is not capable of being evaluated by the accepted methods of measurement or assessment and is paid for on the basis of the actual labour and materials utilised on the particular item of work referred to.

- v. Heading of these terms and conditions shall not affect the interpretation or construction thereof.
- w. The '**DATE OF CONTRACT**' shall mean the date / dates on which the parties to the contract have signed the contract agreement.
- x. **MAINTENANCE PERIOD / GUARANTEE PERIOD** shall mean the period during which the contractor shall remain liable for satisfactory performance of the work under the contract, repair or replacement of any part of the work performed under the contract.
- y. '**COST**' shall mean and include any liability, expenditure, overhead costs whether on the site or off the site incurred by BHEL.

The contractor shall be deemed to have carefully examined all the documents to his satisfaction. If he shall have no doubt as to the manner of the contract document, he shall obtain the details/clarification from BHEL before signing the contract.

MANNER OF EXECUTION OF CONTRACT

The contract shall be deemed to have come into force from the date of Letter of Intent unless otherwise provide in the Letter of Intent. Unless and untill the contract agreement is executed, the Letter of Intent read in conjunction with the tender documents will constitute a binding contract.

CONTRACTOR / TENDER

ACCEPTING OFFICER

CHAPTER - II

SCOPE OF CONTRACT

2. Heading to the Contract

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

3. Contract Documents

The Accepting Officer shall furnish to the Contractor on demand "FREE OF COST" three copies of signed Drawings and one copy of the signed agreement comprising of preamble to agreement, General and Special Specification, Schedule A,B,C & D etc., (but excluding General Conditions of Contract and Drawings) and three copies of all further drawing issued the progress of work.

However, for any additional copies of the agreement of drawings required by the Contractor, the same will be supplied on payment of the Specified cost.

The Contractor shall keep one copy of all the Drawings and of the Specifications on the site and the Engineer-in-Charge or his representative shall be at all reasonable times have access to them.

None of these documents shall be used by the contractor for any purpose other than that of this contract.

3a. Secrecy

The Contractor shall take necessary steps to ensure that all persons employed on any work in connection with this contract have noted that the Indian Officials Secrets Act 1923 (XIX of 1923) applies to them and shall continue so to apply even after the execution of such work under the contract.

All classified documents furnished to the contractor shall be returned to the Engineer-in-charge on the completion of works or the earlier determination of the Contract.

4. Works to be Carried Out

The Contract shall, except as provided under Schedules "B" and "C" included all labour materials, tools, plant, equipment, and transport which may be required in preparation for and in the entire execution and full completion of the work. Schedule "A" shall be deemed to have been prepared in accordance with good practice and recognised principles and unless otherwise stated, the descriptions given therein shall be held to include waste on materials carriage and cartage, lead, hoisting, setting, fitting in position and all other labour necessary in and for the entire execution and full completion aforesaid. Any error in description or quantity in Schedule "A" or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the work comprised therein according to the Drawings and Specifications, or from any of his obligations under the Contract.

The insertion of the name of any firm of suppliers in the Tender Documents is for the purpose of obtaining a particular class or quality of materials or workmanship but the articles or materials specified may be obtained from any other firm subject to prior written approval of the Engineer-in-Charge.

In the case of a discrepancy between Schedule "A" the specification and / or the Drawings, the Accepting Officer shall be the sole deciding authority as to which shall prevail and his decision shall be final and conclusive. If neither Drawings nor specifications contain any mention of minor details of construction, which is in the opinion of the Accepting Officer, whose decision shall be final and conclusive, are reasonable and obviously and fairly intended for the satisfactory completion of the work, such details shall be provided by the Contractor without any extra cost as if they were specially mentioned and shall be deemed to be included in the contract.

The Contractor will be deemed to have satisfied himself as to the nature of the site, local facilities of access and all matters affecting the execution and completion of the work. No extra charges consequent on any mis-understanding in these respects or otherwise will be allowed.

5. Provisional Items

The full amount of provisional Lump-sums and the value annexed to each provisional item inserted in the Tender Documents shall be deducted from the contract sum and the value of work ordered and executed there under shall be ascertained by measurement or valuation as for deviations.

No work under these items is to be begun without instructions in writing from the Engineer-in-charge.

The extent of quantities or items described as "Provisional" shall not be held to guarantee or limit the amount and description of the work to be executed by the Contractor either in respect of the items concerned or the work as a whole.

No addition or deduction shall be made by the Contractor to the amount of the provisional Lump-sum as included in the tender documents.

6. 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 percentage set out in the tender documents. The value of all additions and deductions will be added to or, deducted from the contract sum, when ever the Accepting Officer intends to exercise such a right, his intentions shall specify the deviations which are to be made, the Lump-sum 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 such 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 Head of Civil Engineering Department whose decision shall be final, conclusive and binding on the contractor.

7. Time

Time is the essence of the contract and is specified in the tender documents or in each individual Work Order.

As soon as possible after the contract is let or any substantial Work Order is placed and before work order is to begin, the Engineer-in-charge and the Contractor shall agree to a Time and progress Chart. The Chart shall be prepared in direct relation to the time stated in the tender documents or the Work Order for the completion of the individual items there of and the contract or order as a whole. It shall indicate the fore cast of the dates for the commencement of the various trade processes or sequence of the work, and shall be amended as may be required by agreement between the Engineer-in-charge and the Contractor within the limitation of the time imposed in the tender, document or order.

In the absence of any specific Time and Progress chart to be agreed to between the Contractor and Engineer-in-charge the contractor shall ensure and maintain uninterrupted progress of the work such that the entire work shall be completed within the time imposed in the Tender documents or Order and that the proportion of the work completed upto any time in relation to the entire work to be under the Contract or Order shall not be less than the proportion that the time elapsed bears to the total time of completion provided in the Tender documents or Order.

The Contractor shall suspend the execution of the work, or any part or parts thereof whenever call upon in writing by the Engineer-in-charge to do so, and shall not resume work there on until so directed in writing by the Engineer-in-charge. The Contractor will be allowed an extension of time for completion not less than the period of suspension. However, no other claim in this respect for compensation or otherwise however will be admitted. Provided the cause for suspension is not attributable to any default of the contractor's part to proceed with or fulfil the contractual obligations. This may also be extended to allow for alteration of work made by the deviation order.

8. Stores and Materials

8.1 Materials to be supplied by the Contractor

The Contractor shall at his own cost and expense provide all materials required for the work other than those listed in Schedule-B which are to be supplied by Bharat Heavy Electricals Ltd.

All materials to be provided by the Contractor shall be brand new and in conformity with the specifications laid down in the contract and the Contractor shall if requested by the Engineer-in-charge furnish proof, to the satisfaction of the Engineer-in-charge, that the materials so comply.

The Contractor shall at his own cost and expense and without delay, supply to the Engineer-in-charge samples of materials proposed to be used in the works. The Engineer-in-charge shall within seven days of supply of samples or within such further period as he may require and intimate to the Contractor in writing, inform the Contractor whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-charge for his approval fresh samples complying with the specification laid down in the contract.

The Engineer-in-charge shall have full powers to require removal of any or all of the materials brought to site by the Contractor which are not brand new and not in accordance with the contract specifications or do not conform in character or quality to samples approved by him. In case of default on the part of the Contractor in removing rejected materials, the Engineer-in-charge shall be at liberty to have them removed by other means at the Contractor's expense and risk. The Engineer-in-charge shall have full power to require other proper materials to be substituted for rejected materials and in the event of the contractor refusing to comply, he may cause the same to be procured by other means. All costs charges and expenses which may attend such substitution shall be borne by the contractor. All charges on account of Octroi, terminal or sales tax and other duties on material obtained for the works from any source (excluding materials supplied by BHEL) shall be borne by the Contractor.

The Engineer-in-charge shall be entitled to have tests carried out as specified in the Contract for any materials supplied by the Contractor other than those for which, as stated above, satisfactory proof has already been furnished, at the cost of the Contractor and the Contractor shall provide at his expense all facilities which the Engineer-in-charge may require for the purpose.

8.2 Materials to be supplied by BHEL

Materials which BHEL are prepared to supply are shown in Schedule-B which also stipulates place of issue and rate(s) to be charged in respect thereof soon after acceptance of the tender the Contractor shall agree in writing with the Engineer-in-charge on a phased programme of his requirements with regard to deliver of materials.

In the event of delay in supply of any Stores and materials mention in Schedule-B the contractor shall be entitled to reasonable extension of time as provided for under condition-9 but no claim for compensation or damage on any ground whatsoever shall be entertained by BHEL.

For the materials listed in Schedule-B the contractor shall give a reasonable notice in writing of his requirement to the Engineer-in-charge in accordance with the phased programme.

All materials issued to the Contractor by BHEL for incorporation or fixing in the works shall on completion or on fore-closure of the works and before submission of bills, be returned by the Contractor at his expense, at the place of issue, after making due allowance for actual consumption reasonable wear and tear and for waste. In the Contractor is required to deliver such materials at a place other than the place less the transportation charges which would have been incurred by the Contractor had such materials been delivered at the place of issue, shall be borne by BHEL.

The Contractor shall bear the cost of loading, transporting to site, unloading storing under covered area as necessary, assembling and joining the several parts together as necessary and incorporating or fixing materials in the work including all preparatory work of whatever description as may be required, and of closing preparing, loading and returning empty cases or containers to the place of issue.

If, in the opinion of the Engineer-in-charge (which shall be final and conclusive) any stores supplied by BHEL have either during currency of the work or after completion of the work whilst under custody, of the contractor, become damaged to such an extent that they cannot be usefully utilised, either in the same work or in other works, the Engineer-in-charge shall not accept the stores and in the rates specified in the contract. The contractor shall not be entitled to any claim whatsoever on this account.

The Engineer-in-charge shall have access to the stores where materials issued by BHEL as per schedule -B of the contract is stored to ensure the balance stock of material on hand after taking into consideration the materials used on the work is as per the issue and usage. If there be any discrepancy, the cost towards the same will be recovered at the double recovery rate indicated for the material concerned. This is without prejudice to and in addition to the overall reconciliation of materials to be made at the completion of work.

If on completion of works, the Contractor fails to return surplus materials out of those supplies by BHEL then, in addition to any other liability which the Contractor would incur, the Engineer-in-charge may, be written notice to the Contractor, require him to pay within a fortnight of receipt of the notice for such un-returned surplus materials given in sub para-4.

The Contractor shall have to build a weather-proof shed ^{for} or the storage of Cement (required for 15 days consumption of the work).

8.3 General

Materials required for the works, whether brought by the Contractor or supplied by BHEL shall be stored by the Contractor only at places approved by the Engineer-in-charge. Storage and safe custody of materials shall be at the risk and the responsibility of the Contractor.

Officials concerned with contract shall be entitled at any time to inspect and examine any materials intended to be used in or in the works either on the site or at factory or workshop or other places where such materials are assembled, fabricated or manufactured or at any place(s) where these are lying or from which these are being obtained and the Contractor shall give such facilities as may be required for such inspection and examination.

All materials brought to the site shall not be removed off the site without the prior written approval of the Engineer-in-charge. But whenever the works are finally completed and advance if any, in respect of any such materials is fully recovered the Contractor shall at his own expense forthwith remove from the site all surplus materials originally supplied by him and upon such removal the same shall revert in and become the property of the Contractor.

Should the Engineer-in-charge consider at any time during the construction or re-construction prior to the expiry of the MAINTENANCE PERIOD that the stores or materials provided by the Contractor are unsound or of a quality inferior to that contracted for or otherwise not in accordance with Contract (in respect where of the decision of the Engineer-in-charge shall be final and conclusive) the Contractor shall on demand in writing from the Engineer-in-charge specifying the Stores or materials complained of notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith remove the Stores or materials so specified and provide other proper and suitable stores or materials at his own expense, to the entire satisfaction of the Engineer-in-charge and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in his demand aforesaid the Engineer-in-charge may replace with others the Stores or materials complained of at the risk and expense in all respects of the Contractor. The liability of the Contractor under this condition shall not extend beyond the maintenance period aforesaid except as regards Stores or materials which the Engineer-in-charge shall have previously given notice of to be Contractor to replace.

9. Delay and Extension of Time

If, in the opinion of Engineer-in-charge the work is delayed :

- i) by reason of abnormally bad weather, OR
- ii) by reason of serious loss or damage by fire OR
- iii) by reason of Civil commotion local combination of workmen, strike or lockout, affecting any of the trades employed on the work, OR
- iv) by delay on the part of the agency or tradesman engaged by BHEL in executing work not forming part of this Contract OR
- v) by reason of any other cause which in the absolute discretion of the Engineer-in-charge is (when he is the Accepting Officer of the Contract), beyond the Contractor's reasonable control, then in such cases the Accepting Officer, on the recommendation of the Engineer-in-charge or higher authority may make fair and reasonable extension in the completion dates of the individual items of work of the Contract as a whole. Such extension which will be communicated to the Contractor by the Engineer-in-charge in writing shall be final and binding on the Contractor. No other claim in this respect for compensation or otherwise howsoever is admissible. Upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-charge but shall nevertheless use constantly his best endeavour to prevent or make good the delay and shall do all that may reasonably be required to the satisfaction of the Engineer-in-charge to proceed with the work.

10. Patent Rights

The Contractor shall fully indemnify BHEL or the agent, servant, employee of BHEL against any action, claim or proceeding relating to infringement or the use of any patent or design or any alleged patent or design rights, and shall pay any royalties which may be payable in respect of any article / or part thereof included in the Contractor. In the event of any claim, being made or action brought against BHEL or any agent, or servant or employee of BHEL in respect of the matters aforesaid, the Contractor shall immediately be notified thereof for taking necessary action provided that payment of indemnity shall not apply when such infringement has taken place in complying with the specific directions issued by the BHEL but the Contractors shall pay any royalties payable in respect of any such use.

11. Octroi and Other Duties

All changes on account of Octroi, Terminal or Sales Tax and / or other duties on materials obtained for the Work (excluding materials provided by BHEL on payment) shall be borne by the Contractor.

12. Royalties

Royalties fixed from time to time as per prevalent local rules will be recovered for materials, which the Contractor may be allowed to remove from quarries situated on land which is in charge of the BHEL authorities.

13. Plant and Equipment

The Contractor, shall at his own expense, supply all tools, plant and equipment (here-in-after referred to as T & P) required for the execution of the contract other than those listed in Schedule - C which subject to their availability may be hired by BHEL to the Contractor or issued free for use in the execution of the work, as specified in Tender documents.

14. Assignments or Transfer of Contract

The Contractor shall not without the prior written approval of the Accepting Officer assign or transfer the Contract or any part thereof, or any share, or interest there in to any other person. 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 Accepting Officer to the assignment or transfer of such money is given.

14 (a) Sub - Contract

The Contractor shall not sub-let any portion of the Contract without the prior written approval of the Accepting Officer.

15. Compliance to the Regulations and Bye - Laws

The Contractor shall conform to the provision of any statute relating to the work and regulations and bye-laws of any local authority and of any water and lighting Companies or Undertakings with whose system the work is proposed to be connected. He shall, before making any variation from the drawings or the specifications that may be necessitated for such connections give the Engineer-in-charge notice, specifying the variation proposed to be made and the reasons there for and shall not carryout any such variation until he has received instructions from the Engineer-in-charge in respect thereof. The Contractor shall be bound to give all notice required by Statute Regulations of Bye-laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

16. BLANK

17. BLANK

CHAPTER – III

PERFORMANCE OF THE CONTRACT

18. Security Deposit

18.1.1 Security Deposit should be collected from the successful tenderer. 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 should be collected before start of the work by the contractor.

18.1.2 Security Deposit may be furnished in any one of the following:

- i) Pay Order, Demand Draft in favour of BHEL.
- ii) Local cheques of scheduled banks, subject to realization.
- iii) 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).
- iv) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- v) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vi) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.
- vii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- viii) 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.

CONTRACTOR

- 18.1.3** Security deposit shall not be refunded to the contractor except in accordance with the terms of the contract.
- 18.1.4** 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 realized by the sale of the securities or from the interest arising there from or from any sums which may be due or may become due to the contractor payable by BHEL on any account whatsoever against this contract or any other contract with BHEL, and in the event of his security deposit being reduced by reason of such deduction or sale as aforesaid, the contractor shall within seven days thereafter make good in cash or in securities endorsed as aforesaid, any sum or sums by which the security deposit has been so reduced.
- 18.1.5** 50% of the security deposit may be refunded on completion of the work after payment of the final bill and the balance 50% of the security deposit is refundable only after the expiry of the maintenance period of six (6) months from date of completion of work as stipulated in the contract concerned.

19. Orders under the Contract

All orders, notices, etc., to be given under the contract shall be in writing, typescript or printed and if sent by registered post to the address given in the tender of the Contractor, shall be deemed to have been served on the date when in the ordinary course they would have been delivered to him.

The Contractor shall carry out without delay all orders given to him.

20. Admission to Site

The contractor shall not enter on (other than for inspection purposes) or take possession of the site unless permitted to do so by the Engineer-in-charge. The portions of the site to be occupied by the Contractor will be clearly defined and marked on the site plan, and the contractor will on account be allowed to extend his operations beyond these areas. The Contractor shall provide if necessary or required at the site, temporary access there to and shall alter, modify and maintain the same as required from time to time. He shall out and clear away the access route when no longer required restoring the area to its original condition.

The Engineer-in-charge shall have power to execute other works (whether or not connected with the work, in the contract agreement) on the site contemporaneously with the execution of the original work and contractor shall give reasonable facilities for this purpose.

BHEL reserves the right of taking over, at any time, any portion of the site which they may require and the contractor shall at his own expense clear such portion forthwith. No photographs of the site or of the work or any part here of shall be taken published or otherwise circulated without the prior approval of the Engineer-in-charge.

No such approval shall ~~however~~ ^{however} exempt the Contractor from complying with any statutory provision in regard to the taking and publication of such photographs.

BHEL Officials connected with the Contract shall have the right of entry to the site at all times.

Engineer-in-charge shall have the power to exclude from the site any person whose admission there to may, in his opinion be undesirable for any reason whatsoever

The Contract shall be governed by the security regulations of BHEL including the entry exit timings, use of roads as may be in force from time to time. The Contractor should follow these regulations strictly and no claims for any additional payment whatsoever will be entertained under by circumstances.

21. Contractors Supervision

The Contractors shall either himself supervise the execution of the Contractor or shall appoint a competent Agent approved by the Engineer-in-charge to act in his stead. The Contractor shall employ an Engineer/Agent having atleast a Degree of Bachelor of Civil Engineer from a recognised University/on any work with a Contract value exceeding rupees two lakhs, and having atleast a Diploma in civil Engineering from a recognised college, on work with a contract value exceeding Rs. 50,000/- but not exceeding rupees two lakhs.

The Employment of an Engineer/Agent as aforesaid shall not be necessary if the Contractor himself is in possession of a recognised technical qualification and is, in opinion of the Engineer-in-charge, capable of the receiving instructions of the Engineer-in-charge and of the executing the work to the satisfaction of the Engineer-in-charge. If the Contractor fails to appoint a suitable Engineer/Agent as aforesaid, the Engineer-in-charge shall have full powers to suspend the execution of work and stop payment of any advances that may have become due until such date as a suitable Engineer/Agent is appointed and the Contractor shall be held responsible for the delay caused to the work and no extension of time on this account shall be given to him as stipulated in condition (9) above.

Orders given to the Contractor's Agent Engineer shall be considered to have the same force as if they had been given contractor himself.

The Contractor or his Agent shall be in attendance at the site during all working hours and shall superintend the executing of work with such additional assistance in each trade as the Engineer-in-charge may consider necessary.

The Contractor or his accredited agent shall attend when required and without making any claim for doing so, either the Office of the Engineer-in-charge or the work site to receive instructions.

The Engineer-in-charge shall have full powers, and without assigning any reason to require the Contractor immediately to cease to employ in connection with the

Contract any Agent, servant or employee whose continued employment is, in his opinion undesirable

The contractor shall not be allowed any compensation on this account.

22. Labour

The contractor shall employ labour in sufficient number either directly or through sub-contractors to maintain the required rate of progress and of quality ensure workmanship of the degree specified in the contract and to the satisfaction of the Engineer-in-charge. The contractor shall comply with all labour laws in force from time to time.

23. Safety Rules

The Contractor shall comply with all safety rules of BHEL.

24. Water

The Contractor shall allow in his Tender and provide at his cost all water required for the work or his employees on the work, together with all pipes and fittings or other means that may be necessary or required to ensure a proper and ample supply of water for all purposes connected with the work.

In the event of a provision existing in the Tender documents for supply of water on payment by Bharat Heavy Electricals Limited, water will be supplied from the BHEL supply system or other sources at any points fixed by the Engineer-in-charge on the site of work. The contractor shall make necessary arrangement for lifting pumping carrying or conveying the water as required at his own cost. The levy of water charges to be borne by the contractor in such case shall be specifically mentioned in the Tender documents.

25. Temporary workshops, store Etc,

The Contractor shall, during the progress of the work provide, erect and maintain at his own expense all necessary temporary workshops, offices etc., required for the proper and efficient execution of the work. The planning, siting, and erection of these buildings shall have the approval of the Engineer-in-charge and the Contractor shall all at times keep them tidy and in a clean and sanitary condition to the entire satisfaction of the Engineer-in-charge.

On completion of the work all such temporary building shall be cleared away and the site restored and left in a clean and tidy condition to the entire satisfaction of the Engineer-in-charge.

26. Tool and Plant on site

All tools, plant and equipment brought to the site shall not be removed from the site without the prior written approval of the Engineer-in-charge when the work is finally completed or the contract is determined for reasons other than the default of the contractor he shall forthwith remove from the site all tool, plant, equipment etc., (other than those as may have been provided by BHEL)

27. Statments of Hire Charges

A monthly detailed statement of the hire charge incurred in respect of BHEL tools, plant, equipments etc., shall be given to the Contractor by the Engineer-in-charge.

28. Precaution Against risks

The Contractor shall be responsible for providing at his own expense, for all precaution to prevent loss or damage and for the necessary steps to be taken for the said purpose until the works have been handed over complete, in all respects to the Engineer-in-charge.

The Contractor shall provide all watchman necessary for the protection of the site, the work, the materials, tools, plant, equipment and anything else lying on the site during the progress of the work. He shall solely be responsible for and shall take all reasonable and proper steps for protecting, securing, lighting and watching all places on or about the work and the site which may be dangerous to any person whomsoever.

29. Notices and fees

The Contractor shall give all notices required by any Statutory provision or by the regulations and/or bye-laws of any local / or of any same are or will be connected. The contractor shall pay and indemnify BHEL against any statutory fees and charges payable under such Acts. Regulation and / or bye-laws in respect of the work and shall make and supply all drawings and plans required in connection with any such notice.

30. Setting out of the works and Protective and Maintaining signals and works

The Engineer-in-charge shall supply dimensioned drawings, levels and other information necessary to enable the contractor to set out the work. the contractor shall at his own expense set accurately according to the drawings and figured dimension thereon, all the work comprised in the contract and any extras or additions there to and shall be solely responsible for their being so set out and executed.

All bench marks, pegs, signals on the surface alignment stones, milestones and all similar marks whether put in by BHEL Authorities for the purpose of checking the Contractor's work or in the nature of permanent survey marks will during the tenure of the contract, be under the care of the Contractor who shall at his own expense take all proper and reasonable precautions and care to preserve and maintain them in their true position. In the event of these marks being disturbed or obliterated by accident or due to any other cause whatsoever, the same may, if deemed necessary be replaced by the Engineer-in-charge at the Contractor's expense and the cost thereof deducted from any money then or thereafter becoming due to the Contractor.

Where requested by the Contractor, the level marks, centre line and chainage pegs corresponding to those shown on the Drawing will be pointed out to the Contractor on the ground but all bench marks or chainage pegs additional to those shown on the Drawing will be set out by BHEL authorities.

31. Site Drainage

All water that may accumulate on the site during the progress of the work, or in trenches and excavations shall be removed to the entire satisfaction of the Engineer-in-charge and at Contractor's expense.

32. Excavation, Relics, etc.

Materials of any kind obtained from excavation on the site shall remain the property of BHEL and shall be disposed off as Engineer-in-charge directs.

All gold, silver, oil and other minerals of any description and all precious stones coins treasures, relics, antiquities and other similar items which may be found in or upon the site shall be the property of Bharat Heavy Electricals Limited and the contractors shall duly preserve the same to the satisfaction of the BHEL and shall from time to time deliver the same to such person or persons as the BHEL may appoint to receive the same.

33. Foundations

The Contractor shall not lay any foundations until the excavations for the same have been examined and approved in writing by the Engineer-in-charge.

34. Covering - in work

The Contractor shall give reasonable notice in writing to the Engineer-in-charge whenever any work is to be permanently covered up or concealed, whether by earth or other means so that it can finally be inspected or measured, if necessary. In default of so doing, the Contractor shall if required by the Engineer-in-charge uncover such work at his own expense.

35. Approval of Works by Stages

All work embracing more than one process shall be subject to examination and approval at each stage thereof and the Contractor shall give due notice in writing to the Engineer-in-charge when each stage is ready. In default of such notice being received, the Engineer-in-charge shall be entitled to approve the quality and extent thereof at any time he may choose and in the event of any dispute, the decision of the Engineer-in-charge thereon shall be final conclusive.

36. Execution of the work

The work shall be executed in a workman like manner and to the satisfaction in all respects of the Engineer-in-charge.

The Engineer-in-charge will communicate or confirm his instructions to the Contractor in respect of the execution of the works in a "Work Site Order Book" maintained at his office and the Contractor shall visit this office daily and shall confirm receipt of such instruction by signing the relevant entries in this book. Such entries will rank as order to notices in writing the intent and meaning of these conditions.

37. Day Work

No day - work shall be performed without the prior written instructions of the Accepting Officer.

The Contractor shall give to the Engineer-in-charge reasonable notice of the start of any work ordered to be executed by day-work and shall deliver to the Engineer-in-charge within two days of the end of each pay week a return in duplicate giving full detailed accounts of labour and materials for the payweek. One copy of each of these returns, if found correct will be certified by the Engineer-in-charge and returned to the Contractor and must be produced at the time of adjustment of accounts.

An Invoice in duplicate signed by the Contractor or his agent shall be sent with each delivery of materials for day-work and the Contractor will be furnished with receipt signed by the Engineer-in-charge specifying the description, quantities, weight or measurement (as the case may be) of the articles approved, reference will be made in this receipt in the return aforesaid and the Contractor's Bill.

In the case of Lumpsum Contracts, the rates to be charged and the percentage addition for profit and establishment charges etc. will be agreed upon between the Accepting Officer and the Contractor prior to the execution of the work.

38. Inspection of the Work

BHEL Officers concerned with the contract shall have power at any time to inspect and examine any part of the work and the Contractor shall give such facilities as may be required to be given for such inspection and examination.

Should Engineer-in-charge consider, at any time during the expiry of the maintenance period, that any work has been executed with unsound, imperfect or unskilled workmanship or of a quality inferior to that contracted for or not otherwise in accordance with the contract (in respect). Whereof the decision of the Engineer-in-charge shall be final and conclusive the contractor shall, on demand in writing from the Engineer-in-charge specifying the fault notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify or removed and reconstruct the work so specified in whole or in part as the case may require at his own expense to the entire satisfaction of the Engineer-in-charge and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in his demand as aforesaid, the Engineer-in-charge whose decision shall be final and binding may carry out the work by other means at the risk and expense in all respects of the Contractor. However, the liability of the Contractor under this condition shall not extend beyond the maintenance period except as regards workmanship which the Engineer-in-charge shall have previously given notice of to the Contractor to rectify.

39. Responsibility for Building

In the event of any building or part of any building being handed over to the Contractor for the execution of work there to under the provisions of the Contract he shall give a written receipt for all fixtures, glass etc., and he shall be required to make good at his own expense all damages resulting from the cause whatsoever while in his charge and on completion of the work to deliver the said building or part

thereof in a clean state complete in every particular to the entire satisfaction of the Engineer-in-charge.

40. Insurance

The Contractor shall within one month after the date of acceptance of the Contract, insure the work against loss or damages to the contract works, temporary work and materials erected in performance of the contract "all risks" basis from the time of arrival on site until taken over by BHEL on completion of the Contract.

The cover shall also include whenever necessary the risks of testing including breakdown or explosion of plant and machinery undergoing testing, trial and commissioning operations. The insurance shall also specifically cover removal of debris cost. The sum insured shall represent the estimated full value of the contract work inclusive of value of free supply materials by BHEL, transport charges, customs dues, express freight, overtime charges, cost of erection, value of constructional plants and machinery; removal of the debris and excavation of costs. Where the contract includes a maintenance period, the insurance cover shall specifically include the Contractor's liabilities during the maintenance period. The insurance shall also be extended to cover third party personal injury and property damage for a sum to be specified by BHEL. The insurance shall be effected in the name of BHEL and the Contractor shall submit to BHEL a draft of the insurance policy for approval. The policy when issued will be lodged with BHEL together with receipts of premium for such insurance and the contractor shall maintain such policies in force until the obligations of the Contractor are fully discharged.

If the Contractor fails to comply with the terms of this condition the Accepting Officer may insure the work and may deduct the amount of premiums from any money that may become payable to the Contractor or may at his discretion refuse payment of any advances to the Contractor until the Contractor shall have complied with the terms of this condition. This provision does not, however, absolve the Contractor of his responsibility for taking up the insurance. The Contractor is, therefore, primarily responsible for the insurance in time.

41. Damage and Loss to Private Property and Injury to Workmen

The Contractor shall at his own expense reinstate and make good to the satisfaction of the Engineer-in-charge and pay compensation for any injury, loss or damage occasioned to any property or rights whatever including property and rights of BHEL (or agents, servants or employees of BHEL) the injury loss or damage arising out of or in any way in connection with the execution of the contract and further the Contractor shall indemnify BHEL against all claims enforceable against BHEL or any agent, servant, or employee of BHEL a private person, in respect of any such injury (including injury resulting in death loss or damage to any person) who so ever or property, including all claims which may arise under the Workmen's Compensation Act or otherwise, or which would be enforceable against BHEL.

42. Completion

The works shall be completed to the entire satisfaction of the Engineer-in-charge and in accordance with the Contractor's forecast of Time and progress where operative, and all unused stores and materials, tools, plants equipment, temporary Building and things shall be removed from the site and work cleared of rubbish and all

waste materials and levelled up clean and tidy to the satisfaction of the Engineer-in-charge at the Contractor's expense and/or before the Schedule date of completion.

The BHEL shall have power to take over from the Contractor from time to time such sections of the Work as have been completed to the satisfaction of the Engineer-in-charge. In such an event, the contractor is not entitled for any extension of time or any other compensation for executing the balance work.

In case the Contractor fails to remove any of his properties, assets or fails to clear the rubbish and waste materials within 30 days of the completion of the contract, it is lawful for the contractee, that is BHEL to take such action as it deems fit to clear, dispose of such properties, assets or such waste materials and charge the Contractor any expenses incurred thereon.

The Engineer-in-charge shall certify to the Contractor the date on which the work is completed and the state thereof.

The Engineer-in-charge shall also certify to the Contractor the state of the work at the end of maintenance period, where applicable.

43. Compensation for delay

If the Contractor fails to maintain the required progress in terms of condition 7 or to complete the work and clear the site on or before the contracted or extended period of completion, he shall, without prejudice to any other right or remedy of the BHEL on account of such breach pay as agreed compensation an amount calculated as stipulated below or such smaller amount as may be fixed by the BHEL on the contract value of the work for every week that the progress remains below that specified in condition 7 or that the work remains incomplete.

This will also to items or groups of items for which separate period of completion has been specified.

For the purpose the term "Contract Value" shall be the value at contract rates of the work or ordered.

- | | |
|--|------------------------|
| a) Completion period (as originally stipulated) not exceeding 6 months | at 1 per cent per week |
| b) Completion period (as originally stipulated) exceeding 6 months and not exceeding 2 Years | at ½ per cent per week |
| c) Completion period (as originally stipulated) exceeding 2 years | at ¼ per cent per week |

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed the under noted percentage of the contract value or of the item or group of items of work for which a separate period of completion is given :

- | | |
|---|-------------|
| a) ^{Completion} Complete period (as originally stipulated) not exceeding 6 months | 10 per cent |
|---|-------------|

- | | |
|--|-------------|
| b) Completion period (as originally stipulated) exceeding 6 months and not exceeding 2 Years | 7½ per cent |
| c) Completion period (as originally stipulated) exceeding 2 years | 5 per cent |

The amount of compensation may be adjusted or set-off against any sum payable to the contractor under this or any other contract with the BHEL.

44. Laws Governing the Contract

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

45. Cancellation of Contract for Corrupt Acts

The Accepting Officer, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to Bharat Heavy Electricals Limited, 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 for default. If the Contractor shall :

- a) 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 forborne to do a day act in relation to the obtaining or execution of this or any other contract for BHEL service OR
- b) Enter into 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 the Accepting Officer, OR
- c) 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 the Accepting Officer.

46. Cancellation of Contract for Insolvency, Assignment or Transfer or Sub-Letting of Contract

The Accepting Officer, without prejudice to any other or remedy which shall accrue thereafter to BHEL shall cancel the contract in any of the following cases :

If the Contractor

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

- b) 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 debentures holders shall be appointed or circumstances shall arise which entitle the court or debentures holders to appoint a Receiver or Manager OR
- c) assigns, transfer, sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the Accepting Officer OR
- d) Shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.

Whenever the Accepting Officer, exercises his authority to cancel the contract under this condition, he may complete the work by any means at the Contractor's risk and expense provided always to that in the event of the cost of completion (as certified by Engineer-in-charge which is final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL and that if the cost of completion exceeds the moneys due to the Contractor under the contract, the contractor shall either pay the excess amount ordered by the Engineer-in-charge or the same shall be recovered from the Contractor by other means.

Engineer-in-charge will have powers to take possession of the site and any materials constructional plant, implements, stores, etc. thereon and carry out the work by any means at the risk and cost of the Contractor.

In case the BHEL completes the work under the provisions of this condition the cost of such completion 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 materials purchased and or labour provided by the BHEL with an addition of such percentage or cover superintendence and establishment charges as may be decided by the General Manager whose decision shall be final and conclusive.

In the Contractor fails to pay the excess sum within a period of 30 days, the Engineer-in-charge shall have the right to sell any or all of the Contractor's unused materials, constructional plant implements, temporary buildings etc. and apply the proceeds of sale thereof towards the satisfaction of any sum due from the Contractor under the contract and if thereafter be any balance outstanding from the Contractor, it shall be recovered in accordance with the provisions of the Contract.

47. Cancellation of contract in part or Full for Contractor's Default

If the contractor :

- a) makes default in commencing the work within a reasonable time from the date of handing over of the site and continue in that state a reasonable notice from Engineer-in-charge OR
- b) in the opinion of the Engineer-in-charge at any time, whether before or after the date extended date for completion, make default in proceeding with the work, with due diligence and continue in the state after a notice of seven days from Engineer-in-charge OR
- c) fails to comply with any of the terms and conditions of the contract or after 7 days notice in writing with orders properly issued thereunder. OR

- d) fails to complete the work order and items of work individual dates for completion and clear the site on or before the date of completion or fails to achieve the progress at set out under clause 7 of these General conditions of contract.

The Accepting Officer may, prejudice to any other right or remedy which shall have accrued or shall accrue after B H E L, Cancel the contract as a whole or in part there or only such work order items of work in default from the contract. Whenever the Accepting officer exercises his authority to cancel the contract as a whole or in part under this condition he may complete the work at the contractor's risk and cost provided always that in the event of the cost of completion (as certified by Engineer-in-charge which is final and conclusive) being less than the contract cost the advantage shall accrue to the BHEL if the cost of completion exceeds, the money due to the contractor under this contract the contractor shall either pay the excess amount ordered by General Manager or the same shall be recovered from the contractor by other means. Engineer-in-charge will have power to take possession of site and materials, constructional plant, implements, stores etc there on.

In case the BHEL completes the work or any part there of under the provisions of the condition the of such completion to be taken in to account in determining the excess cost to be charged to the contract under this condition shall consist of the cost of materials purchased and / or labour provided by the BHEL. with an addition of such percentage to cover superintendance and establishment charges as may be decided by the General Manager whose decision shall be final and conclusive.

If the contract fails to pay the excess sum within a period of 30 days the Engineer-in-charge shall have the right to sell any or of the contractor's unused materials, construction plant, implements, temporary buildings etc and apply the proceeds of sale there of towards the satisfaction of any sum due from the contractor under the contract and if ^{there} ~~not~~ after be any balance out-standing from the contract, it shall be recovered in accordance with the provisions of the contract.

48. Termination of Contract for death

Without prejudice to any of the rights or remedies under this contract. if the contractor dies, the Accepting officer shall have the option of terminating the contract without compensation to the contractor.

49. Special Powers of Determination

If at any time after the acceptance of the tender BHEL shall for any reason whatsoever not require the whole or any part of the work to be ^{carried out} ~~done~~ General Manager 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} ~~did~~ not derive in consequence of the foreclosing of the work.

He shall be paid at contract rates for the full amount of the executed including such additional works, e, g. clearing of site, etc., as may be rendered necessary by the said foreclosing. He shall also be allowed a reasonable payment (as decided by the Accepting office) for any expenses sustained on account of labour and materials collected but which could not be utilised on the work, as verified by the Engineer-in-charge. Neither shall the contractor have any claim for compensation on account of any alterations have been made in the original specifications drawings, designs and instructions, involving any curtailment of the work as original contemplated.

50. BLANK

CHAPTER - IV

VALUATION AND PAYMENT

5). Records and Measurements :

All items having a financial value shall be entered in the BHEL Measurement Book so that a complete record is obtained of all works performed under the contract.

Buildings, etc., priced in schedule 'A' as a unit Lump-sum will be entered by number at the unit Lump-sum.

Work carried out for agreed Lump-sum will be described and similarly recorded.

Lump-sum omissions will be entered for deduction. Measurement shall be restricted to that required to ascertain the financial liability of BHEL under the contract.

Work which fails to be measured in detail shall be measured physically, without reference to any local custom that may obtain excepting where it may otherwise be directed in the tender documents. The measurements shall be taken jointly by any person duly authorised on the part of the BHEL and by the contractor.

The engineer-in-charge shall give reasonable notice in writing to the contractor of appointment of measurement.

The contractor shall without extra charge, provide assistance with appliance and other things necessary for measurement.

The contractor shall bear all the cost of measurements of his work.

Measurements shall be entered in the BHEL measurement book and signed and dated by both parties each day at the site on completion of measurement. If the contractor objects to any of the measurements recorded on behalf of the BHEL, a note to that effect to be made in the BHEL measurement book or against the item or items objected to; and such note shall be signed and dated by both the parties engaged in taking the measurement.

If as a result of such objection, it becomes necessary to re-measure the work wholly or in part, the expense of such measurement shall be borne by the party requiring the measurement.

Measurement to be re-taken, provided that a net error is found by this re-measurement to amount to less than 5% (Five percent) of the value as recorded by the first measurement. But where the net errors amount to 5% and over of the said value, then the cost is to be borne by the other party. In any case if the net value of errors found exceeded to Rs 500 the expense or re-measurement is said to be borne by the other party. If the contractor's representative fails to attend when required, the engineer-in-charge shall have power to proceed by himself to take measurement and in that case those measurements shall be considered as accepted by the contractor as final. The contractor shall, once in every month, submit to the engineer-in-charge with a copy to the accepting officer 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 and specifications provided in the contract documents.
- b) Extra Items / Items of work.
- c) Quantities in excess of those provided in the contract schedule.
- d) 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 work done up to and including the period under report.

Except where any general to detailed description of the work in quantities expressly shows to contrary, schedule of quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the schedule of rates specification not withstanding any provision in the relevant standard method of measurement or any general or local custom. In the case of items which are not covered by the schedule of rates / specification, measurement shall be taken in accordance with relevant standard method of measurement issued by the Indian Standard Institution or as per Standard engineering practice.

52 Valuation of Deviations

Rates for deviated items of work will be fixed as follows :

- 1) For any item of work required to be carried out after the contract has been awarded and which is not covered by Contractor's Schedule but is covered by B.H.E.L. schedule of Rates the payable for such a fresh item will be derived from B.H.E.L. Schedule by the method of proportion as follows:
 - a) In the same proportion to the BHEL Schedule of rates as the tendered rate for the nearest analogous item of work in contractor's schedule bears to rate for the particular analogous item of work in BHEL schedule of rates. However in case of nearest analogous item of work in contract schedule forms part of individual chapter of the BHEL schedule of rates the above proportion will be worked out only for such items which are found both in contract schedule and BHEL Schedule of rates as group of items under the chapter.
 - b) If a single appropriate analogous item of work is not available in both schedule (contractor's and BHEL schedule) then the method of proportion will be applied to the nearest analogous group items available in both the schedule referred to i.e. in the same proportion as the total tendered cost of that particular group of item (the sum of the products of the tendered rates and the quantities for which orders are placed) bears to the total cost of the same items and quantities and BHEL Schedule of Rates.
 - c) If even an appropriate analogous group of items is not available in contractor's schedule and BHEL Schedule, then the methods of proportion will be applied to all those items of the whole work, which are available in both the schedule and for which orders have been placed on the contractor i. e., in the same proportion as the total cost of all

these items of work (the work of the products of the tendered rates and the quantities for which order are placed) bears to the total cost of the same items and quantities at the BHEL schedule of rates.

The selection of analogous items or analogous group of items referred to above shall be done by the Engineer-in-charge. Where the rates for deviated items or new items of work can be derived by the selection of different analogous items or analogous group of items, the lowest of all such derived rates shall be taken as the correct rate.

In the case of the contracts for which the Engineer-in-charge is the Accepting officer all disputes regarding the settlement of rates of deviated or new items or work shall be referred to the Head of Civil Engineering Department whose decision shall be final and conclusive as the case may be.

II. If any work not covered by any of the foregoing is ordered of the contractor, the basis of payment shall be decided by the Accepting Officer whose decision shall be final and conclusive and binding on the parties.

53. Reimbursement / Refund on variation in Price, Materials

If after submission of the tender and / or during the progress of the works, the price of any material (not being a material supplied from the BHEL store in accordance with the conditions of the contract) is increased or decreased by an Act of Legislature (central or state) and / or any notification thereunder or on account of new duties or levies such as octroi or on account of increase or decrease in such duties affecting the price of materials required for incorporation in the works and made from materials of which the price has increased or decreased as aforesaid and the contractor has thereupon to pay in respect of such material or item a price which is higher or lower than the price of that material or item as prevailing immediately before the passing of such act or levying, increasing / decreasing of such duty, the BHEL shall increase in price or the duty reimbursed to the contractor the increase in price or additional or increased duty paid by the contractor and in case of decrease in price the BHEL shall be entitled to a refund of the reduction in the price or the reduction in duty. This will be applicable only for material which are directly incorporated on the work. The contractor shall however indicate the assumption he has made while submitting the tender. However no reimbursement or refund shall be made if the increase / decrease is not more than + 10% of the said price, and if so the reimbursement or refund shall be made only / on the excess over \pm 10% provide always that any such increase shall not be payable if, in the opinion of the Accepting officer (whose decision shall be final and conclusive) the increase is attributable to the delay in the execution of the contract with the control of the contractor or that any such increase has become operative after the contracted/ or extended date of completion of the works or items of work in question.

The Contractor shall, for the purpose of this condition, keep such books of account and other documents as are necessary to show the amount of any increase or any reduction available and shall allow inspection of the same by any duly authorised representative of the BHEL and further shall at the request of the Engineer-in-charge furnish for verification such other information as the Engineer-in-charge may require.

The Contractor shall within a reasonable time of his becoming, aware of any alteration in the prices of any such materials give notice thereof in writing to the Engineer-in-charge stating that the rate is submitted in pursuance to this condition together with all information relating thereto which he may be in a position to supply.

Advance on account

No payment shall be made for work estimated to cost less than Rupees ONE THOUSAND till after the whole of the work shall have been completed and a certificate of completion given by the Competent authority.

In the case of work estimated to cost more than Rupees FIVE THOUSAND the contractor may at intervals of less than one month or as otherwise provided for in the Contract documents, counting from the date on which order to commence work is given by Engineer-in-charge submit claims on BHEL forms for payment of advances on account of work done and of materials delivered in connection with the Contract.

The Contractor shall be paid in respect of such claims to the extent approved and passed by the Engineer-in-charge subject to a maximum of 90% of the value of the work actually executed to the satisfaction of the Engineer-in-charge. The certificate of the Engineer-in-charge regarding such approval and passing of the sums so payable shall be final and conclusive against the contractor.

Notes :

"After the full amount of Security Deposit is made up through the 10% deduction from On account bills, 100% payment of all subsequent bills may be made to the contractor.

The Contractor may also be paid during the progress of the work 75% of the value of any materials which are in the opinion of the Engineer-in-charge in accordance with the Contract, and are actually required for incorporation in the work and which have reasonably been brought to the site in connection therewith and are adequately stored and / or protected against damage by weather or other causes, but which have not at the time of payment of the advance been incorporated the work on furnishing a formal hypothecation deed. Payment of such advances, however shall be purely at the discretion of the Accepting Officer provided always that payment shall not be made under these periodical certificate in respect of materials like lime, cement, timer, sand, kankar, etc.

Any sums, due from the Contractor on account of Tools and Plant, stores or any other items provided by BHEL shall be deducted from the respective advances. The Engineer-in-charge shall from time to time certify the sums payable to the Contractor after retaining the reserves.

Any certificate relating to work done or materials delivered may be modified or corrected by any subsequent interim certificate or by the final certificate of the Engineer-in-charge supporting an advance payment shall itself be conclusive evidence that any any work or materials it relates are in accordance with the contract. All such intermediate payments shall be regarded as advance against the final payment only and shall not be considered an admission of the performance of the contract or any part thereof in any respect or the accruing of any claim whatsoever.

Such intermediate payment shall not conclude determine or affect in any way the powers of the Engineer-in-charge as to the final settlement and adjustment or the account or otherwise or in any way vary or affect the contract.

55. Final Bill

As soon as possible after the completion of the work to the satisfaction of the Engineer-in-charge, the contract shall forward a certified final account on BHEL forms, in duplicate.

It shall be accompanied by all abstracts, vouchers, etc., in support thereof and shall be prepared in the manner prescribed by the Engineer-in-charge.

No claims will be entertained after the receipt of the final bill.

The Contractor shall be entitled to be paid the final sum less the value of payments already made on account, subject to certification of the final bill by the Engineer-in-charge. Any sums due from the Contractor on account of Tools and Plant, Stores or any other items provided by BHEL not yet recovered from the contractor shall be deducted from the final sum aforesaid.

No charge shall be allowed to the Contractor on account of the preparation of the final bill.

56. Payment of Bills

All payment to be made to the Contractor under this contract shall be by "Crossed Cheque" marked "A/c payee only" (within a reasonable time after the certification by the Engineer-in-charge) at the Nationalised Banks/Scheduled banks or their subsidiaries located in the station where either the work is executed or service rendered or at their branch nearest to the station where the Office of the Engineer-in-charge is located.

57. Recovery from Contractor

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

58. Post Technical Audit of work and Bills

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

59. Refund of Security Deposit

50% of the Security deposit mentioned in condition 18 above, may be refunded to the Contractor in respect of all contract on completion of work and after payment of final bill and the balance 50% on expiry of the maintenance period, provided the

Contractor shall have rendered a "No - Demand" Certificate. In case of work where maintenance period is not involved 100% of the Security Deposit may be refunded after payment or final bill provided that the Contractor shall have rendered a "No Demand" Certificate.

60. Arbitration

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and Instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or there 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 General Manager of BHEL and if General Manager is unable or unwilling to act, to the sole arbitration of same other persons appointed by the General Manager, willing to act as such arbitrator.

The cases referred to arbitration shall be other than those for which the decision of the Accepting Officer, or Engineer-in-charge as the case may be, is expressed in the contract to be final and conclusive. There will be no objection if the arbitration, so appointed is an employee of BHEL 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 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 Act, 1940 or any statutory modification or re-enactment thereof and the rules made thereunder 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 amount claimed in respect of each 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 Contractor 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 proceedings.

The Arbitrator shall be deemed to have entered on the reference on the date he issues notices to both the parties fixing the date of first hearing.

The Arbitration 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 Arbitration 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 BPF Office memorandum No. BPF/CL001/76MAN/2(1.10) 75 - BPE (GM - 1) dated 1st January 1976 or its amendments for arbitration shall be applicable.

61. Jurisdiction of Court

For the purpose of Court proceeding if any, same shall be in the Court having jurisdiction over Ranipet - 632 406. (Vellore District, Tamilnadu).

62. Taxes etc. -

All taxes, duties, levies that are payable to the Government or to any other authorities in respect of the works under the contractor at the time of contract or becomes payable in future shall be exclusively borne by the contractor and the BHEL is not liable for any reimbursement / Payment thereof.

ANNEXURE - I

TERMS AND CONDITIONS REGARDING COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTORS FOR BHEL

{Please See Condition - 22}

1. The Contractor shall not employ in connection with the work any person who has not completed 18 years of age.
2. The Contractor shall in respect of labour employed by him either directly or through sub-contractor's comply with or cause to be complied with the following statutory provisions and rules and in regard to all matters provided therein.
 - a) The Contract Labour (Regulation & Abolition) Act 1970 and the related Tamilnadu rules.
 - b) The Minimum wages Act 1948 and the related Tamilnadu Rules.
 - c) The payment of wages Act 1936 and the related Tamilnadu Rules.
 - d) The factories Act 1948 and teh related Tamilnadu Rules.
 - e) The Employees' Provident Fund & Miscellaneous Provisions Act 1952.
 - f) The Employees State Insurance Act 1948.
 - g) The workman's Compensation Act 1923.
 - h) The Industrial Disputes Act 1947 and any other Law or modifications to the above or to the rules made there under from time to time.
 - i) Paymet of Bonus Act 1985.

REGISTRATION AND LICENSING

3. Every Contractor shall register his name with the Welfare Section of BHEL before taking up the work awarded to him by giving the following information and getting a code Number :-
 - a) The Name of the Contractor.
 - b) Nature of Contract Work.
 - c) Period of Work.
 - d) Number of maximum labour employed by him on anyone day.
 - e) Licence No. & Date (applicable in case of Contractors employing 20 or moreworkers)
 - f) Whether enrolled for PF, ESI, etc., and enrolment No.

This information is called for the purpose of informing the Inspectorate of Factories whenever they call for information regarding Contracts.

4. The Contractor employing 20 or more workmen is required to obtain licence from the authorities (The Deputy Chief Inspector of Factories / Assistant Commissioner of Labour as the case may be). This licence shall be amended and /or renewed wherever there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The Contractor shall inform the licence number to the BHEL Management before taking up the work.
5. The Contractor (licensed or unlicensed) shall promptly furnish every information and document required by BHEL authorities for the purpose of fulfilling their obligations as principal Employer and / or occupier of the factory and shall render all necessary assistance for the same.

WAGES

6. The Contractor shall pay wages to the workmen employed by him at the rate which shall not be less than the minimum wages applicable under Law from time to time.
7. The Contractor shall fix wage periods in respect of which wages shall be payable. No wage period shall exceed one month.
8. The Contractor shall ensure payment of wages to the Contract labour employed by him within three days from the end of wage period in case the wage period, is one week or a fortnight and in all other cases before 10th day of the following month.
9. All payment of wages shall be made on working days at the work site and during the working time and on dates notified in advance. In case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day.
10. Where the employment of any works is terminated by or on behalf of the Contractor, the wages earned by him shall be paid before the expiry of the second working day from the day on which his employment is terminated.
11. Wages due to every worker shall be paid to him direct or to the person authorities by him in this behalf. All wages shall be paid in current coin or currency or in both.
12. The Contractor shall ensure the disbursement of wages in the presence of such authorised representatives of BHEL Management.
13. The above payment shall be verified by the authorised Officers/ representative of BHEL with the following certificates on the payment sheet
 Certified that the amount shown in Column No..... has been paid to the workmen concerned in my presence on..... at
14. A certificate of payment shall be furnished in duplicate by the Contractor to the Engineer-in-charge each month in Form "A" enclosed.

15. A Notice of showing the wage period and the place and time of disbursement of wages shall be displayed at the place of work and a copy to be sent to the welfare department by the Contractor under acknowledgement.
16. Notices showing the rates of wages, weekly rest days, wage period, hours of work, date of payment of wages, and addressed of the Inspectors having jurisdiction the date of unpaid wages shall be displayed in Tamil and English in conspicuous places at the establishment and at worksite the contractor. The contractor shall inform the BHEL Management every month the details of contract labour engaged for each contract in the following form :-
 - a) Serial Number
 - b) Location
 - c) Period of Work
 - d) No. of Contract labour engaged during the work
 - e) No. of days worked
 - f) No. of Mandays worked
 - g) Wages paid to his workers

The above statement shall be furnished to BHEL Management at the end of every month.

REGISTERS AND RECORDS AND COLLECTION OF STATISTICS

17. The following documents/formats under contract labour (Regulation and Abolition) Act 1970 and Tamil Nadu Rules there under shall be maintained by each Contractor.
 - a) Register of Persons employed by the Contractor.
 - b) Employment Card
 - c) Service Certificate
 - d) Muster Roll, Wage Register, Deduction Register, Wage Slip, Over Time Register, Register of Fines, Register of Advances etc.
18. The Contractor shall display the abstract of the contract labour (Regulation and Abolition) Act and the Rules there under both in English and in Tamil.
19. Half Yearly Return shall be sent by the Contractor in duplicate to the Licensing Officer.
20. The Contractor shall submit the returns required under the Contract Labour (Regulation and Abolition) Act 1970 periodically to BHEL Management.
21. The Contractor shall without fail give upto date information in writing of the attendance of the workers employed by him.

22. The Contractor shall ensure that his workers keep and produce their Employment Card when coming to duty and take them back when leaving duty.
23. All the above registers and records shall be preserved in original for a period of Three years. All the Registers, Records and notice maintained under the Act and rules shall be produced on demand by Inspector or any authority under the Act.

WORKING HOURS AND WORKING CONDITIONS

24. NO WORKER SHALL BE REQUIRED OR ALLOWED TO WORK ON SUNDAY UNLESS HE HAS OR WILL HAVE A HOLIDAY ON ANYONE OF THE THREE DAYS BEFORE OR AFTER THE SAID DAY.
25. The contractor shall inform BHEL Management in the prescribed form details of the contract workers scheduled to work on Sunday, the day of rest and also indicate the substituted holiday in lieu thereof. This shall be intimated two days in advance before his workmen are booked for work on Sunday.
26. The contract labour working for more than nine hours in any day or for more than 48 hours in any week shall be paid wages at the rate of twice the ordinary rates of wages in accordance with the provisions of section 59 of the Factories Act 1948.
27. The contractor shall provide all safety devices and personal protective equipment to his workmen at his own cost and shall ensure that his workmen wear/use such devices or equipment provided to them while doing the work and there should not be any relaxation on this.
28. The contractor shall give four paid National Holidays to his workers, viz. 26th January, 1st May, 15th August and 2nd October.
29. The contractor shall ensure that his workmen vacate the premises after the shift is over.
30. No woman worker shall be required or allowed to work in the factory except between the hours of 6.00 a.m and 7.00 p.m.
31. The contractor shall comply with the provisions relating to welfare and Health facilities as provided in the contract labour (Regulation and Abolition) Act 1970 read with the Tamilnadu contract labour Rules 1975.

NOTICES OF ACCIDENTS

32. Notwithstanding any thing contrary to this, in the event of accident the contractor shall be required to fill injury report and submit the Engineer-in-charge immediately and ensure the compliance of ESI/Workmen's Compensation Act, Factories Act and Rules made there under. He shall also maintain a register of accident as per Act.
33. The contractor shall get the contract labour engaged by him insured under workmen's Compensation Policy from General Insurance Corporation of India before actually starting the work of contract. The Insurance coverage should

be for the entire period of contract. The contractor shall comply with the provision of the Workmen's Compensation Act 1923 [This should be read in conjunction with the provision of ESI Act]

34. The contractor shall ensure that all his workmen are covered under the Employees State Insurance Act and produce to BHEL such Registration Number/ Enrolment Number before executing the contract work.
35. The contractor shall regularly pay the amount of contribution i.e. employers contribution as well as employees contribution in pursuance of the above scheme as fixed from time to time. The contribution payable presently is 1.75% of wages to be recovered from the workmen and 4.75% of wages to be contributed by the contractor. Contribution recovered from employee and contribution made by the contractor may be rounded to the next higher multiples of five paise.
36. The contractor shall take note of any amendment that may be brought forth in the above contribution rate and accordingly.
37. The contractor shall ensure that his workmen are covered under the EPF & miscellaneous Provision Act 1952 and accordingly produce to the BHEL Management the registration / enrolment number before awarding of contract work. As per the existing provision every worker who has completed three months continuous service or has actually worked for not less than 60 days within a period of three months or less shall be entitled and required to become a member of the fund. The employees' contribution payable at present is 12% of wage which will be recovered by the contractor from the wages of his workmen and the contractor should pay equal contribution. The contractor is also liable to pay any administrative charges in this behalf that may be decided from time to time, it will be the responsibility of the contractor to ensure such contribution payable in respect of workmen employed through sub-contractors also.
38. The contractor shall take note of any amendment in the rate of contribution payable under the scheme from time to time.
39. The contractor shall within seven days of the close of every month submit to BHEL a statement showing the amount of contribution payable/paid for employees engaged by him or through him and shall also furnish to BHEL such information as Principal Employer is required to furnish under the provision of the ESI Act and PF as well as the schemes made thereunder to the authorities concerned.
40. Whenever any sum of money is found to be recoverable from or payable by the contractor under the above Acts the same shall be deducted from any sum that may be due or which at any time thereafter may become due to the contractor under this contract or under any other contract or from his security deposit in case the recoveries are not sufficient to satisfy the claims, the contractor shall pay the balance thereof on demand. In case any recoveries are made this clause shall as may be required to replace the shortage caused by such recoveries in the amount of Security Deposit.

41. The contractor shall abide by all the labour and other laws applicable to contract:labour/worken under this contract and shall at all times keep BHEL Indemnified against all losses, claims, prosecutions under any law.
42. in case of non compliance of any of the provisions of the Acts and in case BHEL Haveing complied with the same BHEL will be entitled to recover the same from the contractor / sub contractor.
43. Non exercise of any of the power of or rights available to BHEL here under or under any law, shall not any way operate as waiver thereof.

ACCEPTING OFFICER

FORM - IV

(See Rule 21(1) of Tamil Nadu Contract Labour Rules)

Application for Licence

01. Name and Address of the Contractor
(including his Father's Name in case of
Individuals) :
02. Date of Birth and age (in case of
Individuals) :
03. Particulars of Establishment where
Contract Labour is to be employed :
- a) Name and Address of the
Establishment :
- b) Type of business, trade industry
manufacture :
- c) Number and date of certificate of
Registration of occupation, which is
carried on the Establishment under
the Act. :
- d) Name and address of the Principal
Employer :
04. Particulars of contract labour :
- a) Nature of work in which contract
labour is employed or is to be
employed in the establishment :
- b) Duration of the proposed contract
work (give particulars of proposed
date of commencing and ending) :
- c) Name and address of the agent or
Manager of contractor at the worksite :
- d) Maximum No. of contract labour
proposed to be employed in the
establishment on any date :

- 05. Whether the contractor was convicted of any offence within the preceeding five years, if so give details :
- 06. Whether there was any order against the contractor revoking or suspending licence or forfeiting security deposit in respect of an earlier contract if so the date of such order :
- 07. Whether the contractor has worked in any other establishment within the past five years, if so, give details of the principal employer Establishment and nature of work :
- 08. whether a certificate by the principal Employer in form V is enclosed :
- 09. Amount of licence fee paid No of Treasury challan and Date :
- 10. Particulars of security deposit if any, requested to be adjusted, including Treasury Receipt number :
- 11. The amount of security deposit or balance if any after adjustment of amount to be refunded under rule 31 deposited with treasury Receipt Number and date :

DECLARATION

I hereby declare that the details above are correct to the best of my knowledge and belief.

PLACE :
DATED :

SIGNATURE OF THE APPLICANT
[CONTRACTOR]

NOTE : The application should be accompanied by a treasury Receipt for the appropriate amount and a certificate in Form V From the principal employer.

(To be filled in the office of the Licensing officer)

Date of receipt of the application with challan for fees / security Deposit.

SIGNATURE OF THE LICENSING OFFICER

CONTRACTOR

FORM - XIII

(See Rule 75 of Tamil Nadu Contract Labour Rules 1975)

Register of workman employed by contractor

Name and Address of the Contractor :

Name and location of work :

Name and address of establishment in /under
which contract is carried on :

Name and address of Principal Employer :

01. Serial Number :

02. Name and surname of workman :

03. Age and sex :

04. Father's / Husband's Name :

05. Nature of Employment /Designation :

06. Permanent Home address of workman
(village Taluk and District) :

07. Local Addresss :

08. Date of commencement of Employment :

09. Signature or Thump Impression of workman :

10. Date of termination of Employment :

CONTRACTOR

FORM - XIV

(See Rule 76 of Tamil Nadu Contract Labour Rules)

EMPLOYMENT CARD

Name and Address of contractor : Name and address of
Establishment in/under which
contract is
carried on _____

Nature of work and location of work : Name and address of
Principal Employer

01. Name of the workmen :

02. Sl. No. of register of workmen employed :

03. Name of Employment/Designation :

04. Wage rate (with particulars of unit in case of
Piece work) :

05. Wage period :

06. Tenure of Employment :

07. Remarks :

SIGNATURE OF CONTRACTOR

CONTRACTOR

FORM - XV

{See Rule 77 of Tamil Nadu Contract Labour Rules}

SERVICE CERTIFICATE

Name and Address of the contractor : Name and address of
Establishment in/under which
contract is
carried on _____

Name and location of the work :

Name and address of the workman : Name and address of Principal
Employer

Age or Date of Birth :

Identification marks :

Father's / Husband's Name :

Sl.No	Total period for which employed		Nature of work done		Rate of wage (with particulars units in case of piece of work	Remarks
	From	To	(4)	(5)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)

SIGNATURE

CONTRACTOR

FORM - XVI

(See Rule 78 [1] [a] [i] of Tamil Nadu Contract Labour Rules)

MUSTER ROLL

Name and Address of contractor : Name and address of Establishment in/under which contract is carried on _____

Nature of location of the work : Name and address of Principal Employer _____

For the Month of _____

Sl. No	Name of workmen	Father's/Husbands Name	Sex	Dates					Remarks	
				1	2	3	4	5		
(01)	(02)	(03)	(04)	(05)	(06)					

SIGNATURE OF CONTRACTOR

CONTRACTOR

FORM - XVII

(See Rule 78(1) (a) (i) of Tamil Nadu Contract Labour Rules)

Register of wages

Name and Address of the Contractor :

Nature and location of work :

Name and address of establishment in/under
which contractor is carried on :

Name and address of Principal Employer :

Wage Period : MONTHLY

01. Serial Number :

02. Name of workman :

03. Sl. No. in Register of workman :

04. Designation / Nature of work done :

05. No. of days worked :

06. Units work done :

07. Daily rate of wages / Piece rate :

08. Basic wages :

09. Dearness allowance :

10. Overtime :

11. Other cash Payment
(Nature of payment to be indicated) :

12. Total :

13. Deductions, If any [indicate nature] :

14. Net amount paid :

15. Signature / Thumb impresion of workman :

16. Initials of contractor or his representative :

CONTRACTOR

FORM - XIX

(See Rule 78(1) (b) of Tamil Nadu Contract Labour Rules)

Wage Slip

Name and Address of the Contractor : Name and Father's /
Husband Name of the
workman _____

Name and location of work : For the week / Fortnight /
Month ending

01. No. of days worked :

02. No. of units worked in
case of piece rate workers :

03. Rate of daily wages /piece rate :

04. Amount of over time wages :

05. Gross wages Payable :

06. Deductions, if any :

07. Net amount of wages paid :

**INITIALS OF THE CONTRACTOR OR
HIS REPRESENTATIVE**

CONTRACTOR

FORM - XX

(See Rule 78(1) (a) (ii) of Tamil Nadu Contract Labour Rules)

Register of deductions for damage or loss

Name and Address of the Contractor :

Nature and location of work :

Name and address of establishment in/under
which contractor is carried on :

Name and address of Principal Employer :

01. Serial Number :

02. Name of workman :

03. Father's / Husband's Name :

04. Designation / Nature of employment :

05. Particular of damage or loss :

06. Date of damage or loss :

07. Whether workman showed cause
against deduction :

08. Name of person in which presence
employee's explanation was heard :

09. Amount of deduction imposed :

10. No. of instalments imposed : Date of Recovery

11. First Instalments :

12. Final Instalments :

13. Remarks :

CONTRACTOR

FORM - XXI.

(See Rule 78(1) (a) (ii) of Tamil Nadu Contract Labour Rules)

Register of Fines

Name and Address of the Contractor :

Nature and location of work :

Name and address of establishment in/under
which contractor is carried on :

Name and address of Principal Employer :

01. Serial Number :

02. Name of workman :

03. Father's / Husband's Name :

04. Designation / Nature of employment :

05. Act / Omission for which fine imposed :

06. Date of offence :

07. Whether workman showed cause against
fine :

08. Name of the person in whose presence
employee's explanation was heard :

09. Wage period & Wage payable :

10. Amount of fine imposed :

11. Date on which fine realised :

12. Remarks :

FORM - XXII

(See Rule 78 (1) (a) (ii) of Tamil Nadu Contract Labour Rules)

Register of Advance

- Name and Address of the Contractor :
- Nature and location of work :
- Name and address of establishment in/under which contractor is carried on :
- Name and address of Principal Employer :
01. Serial Number :
02. Name of workman :
03. Father's / Husband's Name :
04. Designation / Nature of employment :
05. Wage period and wages payable :
06. Date and amount of advance given :
07. Purposes (s) for which advance made :
08. No. of instalments by which advance to be repaid :
09. Date and amount of each instalment repaid :
10. Date on which instalment was repaid :
11. Remarks :

CONTRACTOR

FORM - XXIII

(See Rule 78(1) (a) (iii) of Tamil Nadu Contract Labour Rules)

Register of Overtime

Name and Address of the Contractor :

Nature and location of work :

Name and address of establishment in/under which contractor is carried on :

Name and address of Principal Employer :

01. Serial Number :

02. Name of workman :

03. Father's / Husband's Name :

04. Sex :

05. Designation / Nature of employment :

06. Dates on which overtime worked :

07. Total overtime worked or production in case of piece -rated :

08. Normal rate of wages :

09. Overtime rate of wages :

10. Overtime earning :

11. Date on which Overtime wages paid :

12. Remarks :

CONTRACTOR

PAYMENT CERTIFICATE

FORM "A"

Certified that :

1. I as contractor of
have made payment to all contract Labourers in full in respect of contract
No. as per terms of my contract
and in no case less than the rates applicable upto the period ending.
2. The above payment have been made by me in the presence of the au-
thorised representative of
of for
Employees amounting to Rs
3. The necessary payment registers attendance register / Form 12 . Leave
register / book under Laboure and industrial Law and other relevant records
have been maintained by me and available with me for production as and
when required .
4. No payment is due / outstanding to any contract Labourers engaged by
me in respect of the aforesaid contract upto the period ending
.....

CONTRACTOR

NAME :
DATE :

SUPERVISOR

NAME :
DESIGN :
DATE :

COUNTERSIGNED
OFFICER INCHARGE

NAME :
DESIGN :
DEPT. :

CONTRACTOR

ANNEXUR II
SAFETY RULES
(See Condition 2)

A BHEL SAFETY CODE

A

1. Suitable scaffolds shall be provided for workmen for all work that cannot safely be done from the ground, or from solid construction except such short period of work as can be done safely from ladder. When a ladder is used an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and handholds shall be provided on the ladder and the ladder shall be give an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{2}$ horizontal and 1 vertical)
2. Scaffolding or staging more than 3.25 metres above the ground or floor, swing or suspended from an overhead support or erected with stationary support, shall have a guard rail properly attached, bolted braced and otherwise secured atleast 1 metre high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platform, gangways and stairways shall be so constructed that they do not sag unduly or unequally, and if height of a platform or gangway or stairway is more than 3.25 metres above ground level or floor level it shall be closely boarded, have adequate width and be suitably fenced, as described in 2 above.
4. Every opening in floor of a building or in a working platform shall be provided with suitable means to prevent fall of persons or materials by providing suitable fencing or railing with a minimum height of 1 metre.
5. Safe means of access shall be provided to all working platform and other working places. Every ladder shall be securely fixed, no portable single ladder shall be over 9 metres in length. Width between side rails in a rung ladder shall in no case be less than 30 cm for ladders upto and including 3 metres in length, For longer ladder this width shall be increased by atleast 6mm for each additional 30cm of length. Uniform step spacing shall not exceed 30cm.

Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and light to protect public from the accident and shall be bound to bear expenses of defence of every suit-action or other proceeding at law that may be brought by any person for injury sustained owing to neglect of the above precautions, and pay any damages and cost which may be awarded in any such suit, action or proceeding to any such person or which may with the consent of the contractor be paid to compromise any claim by such person.

6. Excavation and Trenching

All trenches 1.5 metres or more in depth, shall at all time be supplied with atleast one ladder for each 30m length or fraction there of ladder shall be extended from bottom of trench to atleast 1 metre above surface of the ground . Sides of the trench 1.5 metres or more in depth shall be stepped back to give suitable slope or securely held by timber bracing,so as to avoid the danger of sides collapsing . Excavated materials shall not be placed within 1.5 metres of the edge of trench or half the depth of trench, whichever is more. Cutting shall be from top to bottom under no circumstances shall under mining or under - cutting be done.

7. Demolition :

Before any demolition work is commenced and also during the progress of work.

- a) All roads and open areas adjacent to the work site shall be closed or suitably protected .
 - b) No electric cable or apparatus which is liable to be a source of danger over a cable or apparatus used by the operator shall remain electrically charged.
 - c) All practical steps shall be taken to prevent danger to person employed from the risk of fire or explosion ,or flooding no floor , or roof or other part of building shall be so overloaded with debris or materials as to render it unsafe.
8. All necessary personal safety equipment as considered adequate by the Engineer-in-charge shall be available for use of person employed on the site and maintained in a condition suitable for immediate use and the contractor shall take adequate steps to ensure proper use of equipment by those concerned.
- a) Workers employed on mixing asphaltic materials cement and lime mortars concrete shall be provided with protective footwear and protective gloves.
 - b) Those engaged in handling any material which is injurious to the eye shall be provided with protective goggles.
 - c) Those engaged in welding work shall be provided with welder's protective eye shells
 - d) Stone breaker shall be protective goggles and protective clothing and seated at sufficiently safe intervals.
 - e) When workers are employed in sewers and manholes which are in use , the contractor shall ensure that manhole covers are opened and manholes are ventiled atleast for an hour before the workers are allowed to get into them manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.
 - i) No paint containing lead or lead products shall be except in the form of paste or ready-made paint.
 - ii) Suitable face masks shall be supplied for use by workers when paint applied in the form of spray or surface having lead paint is dry rubbed and scrapped .

f) The contractor shall not employ men below the age of 18 and women on the work of painting with products containing lead in any form. Whenever men above the age of 18 are employed on the work of lead painting the following precaution shall be taken :

A f i) No paint containing lead or lead products shall be used except in the form of paste or ready-made paint.

ii) Suitable face masks shall be supplied for use by workers when paint is applied in the form of spray or surface having lead paint is dry rubbed and scrapped

iii) Overalls shall be supplied by the contractor to workmen and adequate facilities shall be provided to enable working painters to wash during or cessation of work.

9. When work is done near any place where is risk of drowning ,all necessary equipment shall be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision made for prompt first aid treatment of all injuries likely to be sustained during the during the course of the work.

10. Use of hoisting machine and tackles including their attachments,anchorage and support shall conform to the following

a)

i) These shall be of good mechanical construction, sound materials and adequate strength and free from defects and shall be kept in good working order.

ii) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adeuate strength and free from defects.

b) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 yrs shall be incharged of any hoisting machine including any scaffolding winch or give signals to operator.

c) In case of every hoisting machine and or every chain ,ring , hook, shackle swivel and pull block used in hoisting or lowering as means of suspension safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall have the safe working load plainly marked there on. In case of a hoisting machine having a variable safe working load,each safe working load at the condition under which it is applicable shall be clearly indicated. No part of any machine or gear referred to above in this paragraph shall be loaded be yond the safe working load except for the purpose of testing.

d) In case of department machine ,safe working load shall be notified by the Engineer-in-charge. As regards contractor's machine the contractor shall notify safe working load of each machine to the Engineer-in-charge when ever he brings it to site of work and get it verified by the Engineer-in-charge.

11. Motors , gearing , transmission electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards, hoisting appliances shall be provided with such means as will reduce to the minimum risk of accident descent of load . Adequate precaution shall be taken to reduce to the minimum risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energised insulating mats, working apparel such as gloves, sleeves and boots as may be necessary shall be provided. Workers shall not wear any rings watches ,carry keys or other materials which are good conductors of electricity.
12. All scaffolds , ladders and other safety devices mentioned or described here in shall be maintained in a safe condition and no scaffold , ladder or equipment shall be altered or removed while it is use. Adequate washing facilities shall be provided at or near the places of work.
13. These safety provision shall be brought to the notice of all concerned by display on a notice board at a prominent place at the workspot persons responsible for ensuring compliance with the safety code shall be named thereon by the contractor.
14. To ensure effective enforcement of the rules and regulations relating to safety precaution , arrangement made by the contractor shall be open to inspection by the Engineer-in-charge or his representation and the inspecting officers as defined in the contractor's Labour Regulations.
15. Notwithstanding to the above conditions 1 to 14, the contractor is not exempted from the operation of any other Act or Rule in force.

B. GENERAL SAFETY PRECAUTIONS TO BE FOLLOWED AT WORK SITES DURING EXECUTION

The following safety measures should be strictly adhered to during execution of works at sites.

1. Providing the working platform with toe-board and handrail for continuous working at heights.
2. Providing safety belt and lifeline at all times for men working at heights.
3. Providing dust or fume respirator in places where dust and fume concentration exists
4. Providing goggles and welding screens.
5. Providing acid and alkali proof rubber gloves for handling acids, alkali and chemicals, which are corrosive.
6. Providing rubber gloves for working on electrical works.
7. Ensuring proper lashing of the components while being transported in vehicles.
8. The vehicles must have side supports or have body to support the materials conveyed.
9. The materials should not be allowed to extend or overflow the sides of vehicles.
10. Materials should not be allowed to overhang from the rear edge of the body of the vehicle.
11. Driver of the vehicle must possess license.
12. Vehicle must not be overloaded prescribed limits.
13. Red flags and lights for parts projecting from the body of the vehicle must be provided.
14. The speed restrictions within the factory must be strictly adhered to.
15. The gas cylinders must always be handled on trolleys or kept tied down not in use. They should never be rolled as Roller for conveying.
16. Cylinders should not be used without regulators.
17. All excavations may be barricaded and red belts/ lamps must be provided .
18. All electrical connections must be properly earthed.
19. No work should be taken up for execution inside shop floor, without obtaining necessary work permit.
20. Providing helmet for high level work.
21. The contractor should maintain a register regarding the driver license particulars.
22. All Personnel Protective Equipments (PPE) conform to standard specification as per the details given in the code of conduct.
 - (i) Safety helmets confirming to IS-2925: 1984
 - (ii) Safety Belts confirming to IS-3521: 1983
 - (iii) Safety Shoes confirming to IS-1989: 1978
 - (iv) Eye and face protection devices confirming to IS – 8520:1977 & IS – 8940:1978
 - (v) Hand and body protective devices confirming to: IS – 2573: 1975
IS – 6994: 1973
IS – 8807: 1978
IS – 8519: 1977

Contractor including the subcontractors, agents and labours engaged on work are required to scrupulously adhere to the safety regulations, safety precautions and measures. Any violation thereof will invite punitive action being taken against them. Also contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.

General:

All tools, tackles, lifting appliances, material handling equipment, scaffolds, cradles, safety nets, ladders, equipment etc., used by the contractor shall be of safe design and construction. These shall be tested and certificate of fitness obtained, before putting them to use and from time to time as instructed by authorized BHEL official who shall have the right to ban the use of any item.

C. SAFETY PRECAUTION TO BE OBSERVED WHILE TRANSPORTING MATERIALS

I. Vehicle

1. Vehicle carrying materials should have proper registration documents and must be produced on demand by our Security staff.
2. The light on right side i.e. over the driver's cabin shall be in working condition
3. Both the head light as well as park lamps must be in working condition.

II. Movement of Vehicle

1. The vehicle should not travel at more than 20KMPH in our premises.
2. The driver of the vehicle must possess heavy duty licence and produce on demand by the Security Staff.
3. Vehicles carrying inflammable liquids in the tanks containers should have grounding chain or the tank container should be coated with insulating materials to avoid static electricity.
4. In road junction , speed breaker and Railway crossing the speed should be lowered and vehicles should proceed cautiously.
5. The driving should be ' keep to the left ' at all places.
6. The vehicles should not parked on the road which could obstruct the vehicular traffic.
7. No person other than driver should be allowed to sit or stand on the prime mover or trailer.
8. The vehicle should pass only through the approved routes. Short cuts should be forbidden.
9. There must be a safe distance behind another moving truck.
10. The driver should avoid making quick starts, jerk stop or quick turns at excessive speed .

III Shipping

1. Strong side supports should be provided on both sides of the trailer. The side supports should be fixed in such a way that it cannot be removed even temporarily.
2. Adequate packing must be given for easy slinging operations. The packing materials should be good enough to withstand the load.
3. The stacking of loads on the truck should be evenly placed. The load should not be heaped together or dumped over the chassis.
4. The load on the truck should not be beyond its standard capacity. The carrying capacity must be clearly marked on the trailers also.
5. The loaded materials should be fastened tightly with "WIRE ROPE". Manila rope or coir rope should not at all be used. There must be side packing such as gunny or rubber tyre between the sharp edges of the job and wire rope in order to avoid cut in the wire rope.
6. There must be minimum two fastening and it should be more in case of lengthier loads.
7. The wire rope should be in sound condition i.e there should not be links, knots or bristles etc.
8. The wire rope ends should be clamped with 'U' clamps.
9. The loose pieces should be bundled before loading on the truck.
10. There must be red flags or red lamps for the lengthly loads which extend beyond chassis.
11. The materials should not be stacked too high to avoid hitting against live electric lines.
12. The load should not be overhanging more than 0.9 metres from the end of body.
13. While transporting the scraps, there must be wire net cover to prevent falling of scrap.

IV General

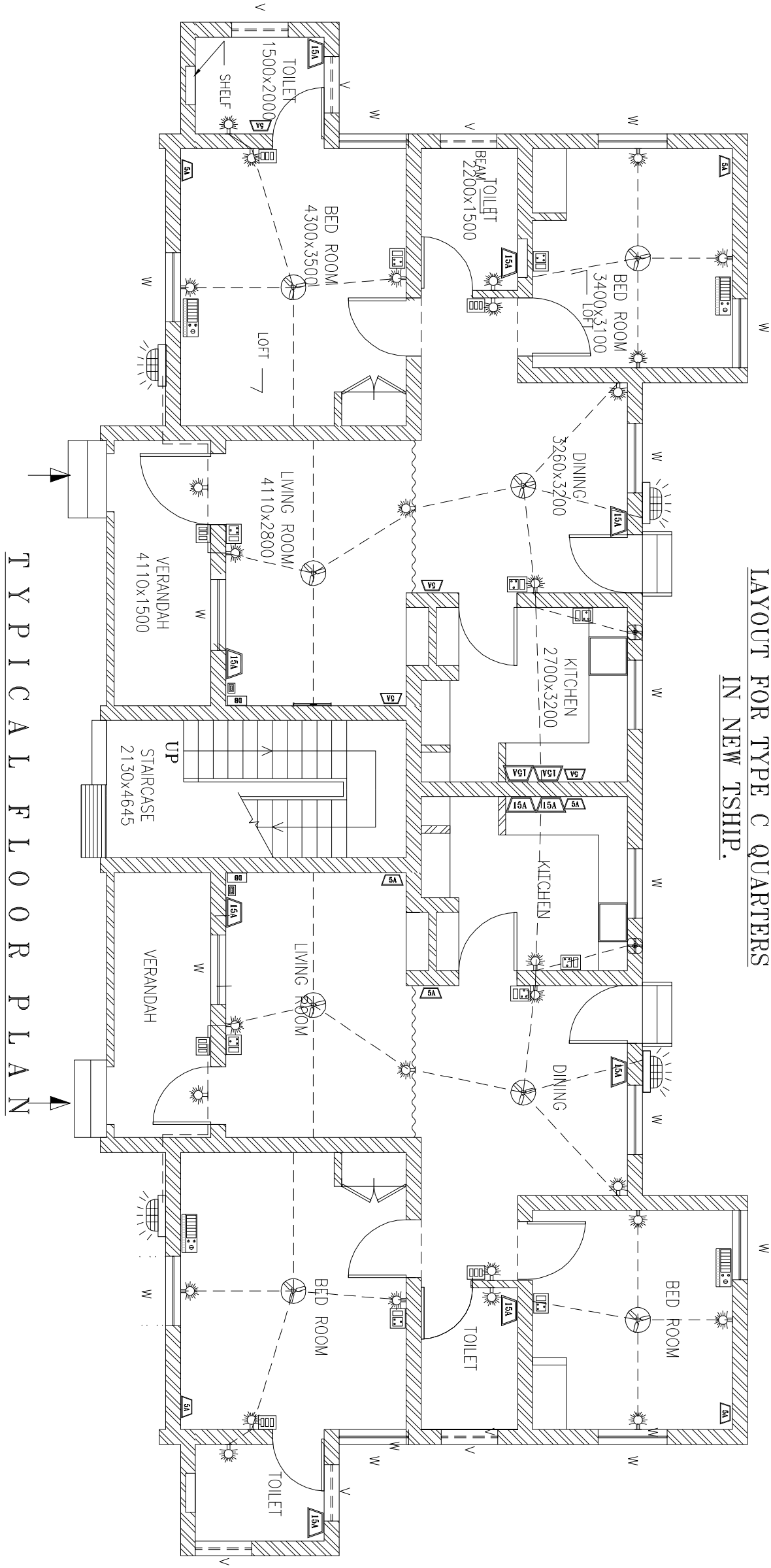
1. The vehicles should not be moved directly inside the production building in case the materials are to be unloaded there. But the vehicles should be parked outside the building and the driver should ascertain the passage as well as the unloading points, with the help of the shop officials. This will avoid the congestion or blocking of traffic in the gangway.

DRAWINGS

(Pages 101-111)

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

**ELECTRICAL WIRE LINES & SYMBOLS DETAILS
LAYOUT FOR TYPE C QUARTERS
IN NEW TSHIP.**



TYPICAL FLOOR PLAN

TYPE-C QTRS. ELECTRICAL SYMBOLS		TYPE-C QTRS. ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTIONS	SYMBOL	DESCRIPTIONS
	A/C POINTS		POWER LAMPS
	5A-SWITCH BOXS		EXHAUST FAN
	FAN POINTS		SWITCH BOX
			DISTRIBUTION BOX
			15A-SWITCH BOXS
			TUPE LIGHT
			BULK HEAD FITTING

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETER & LEVELS ARE IN METER U.N.O
2. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

RELEASED FOR
P L A N N I N G

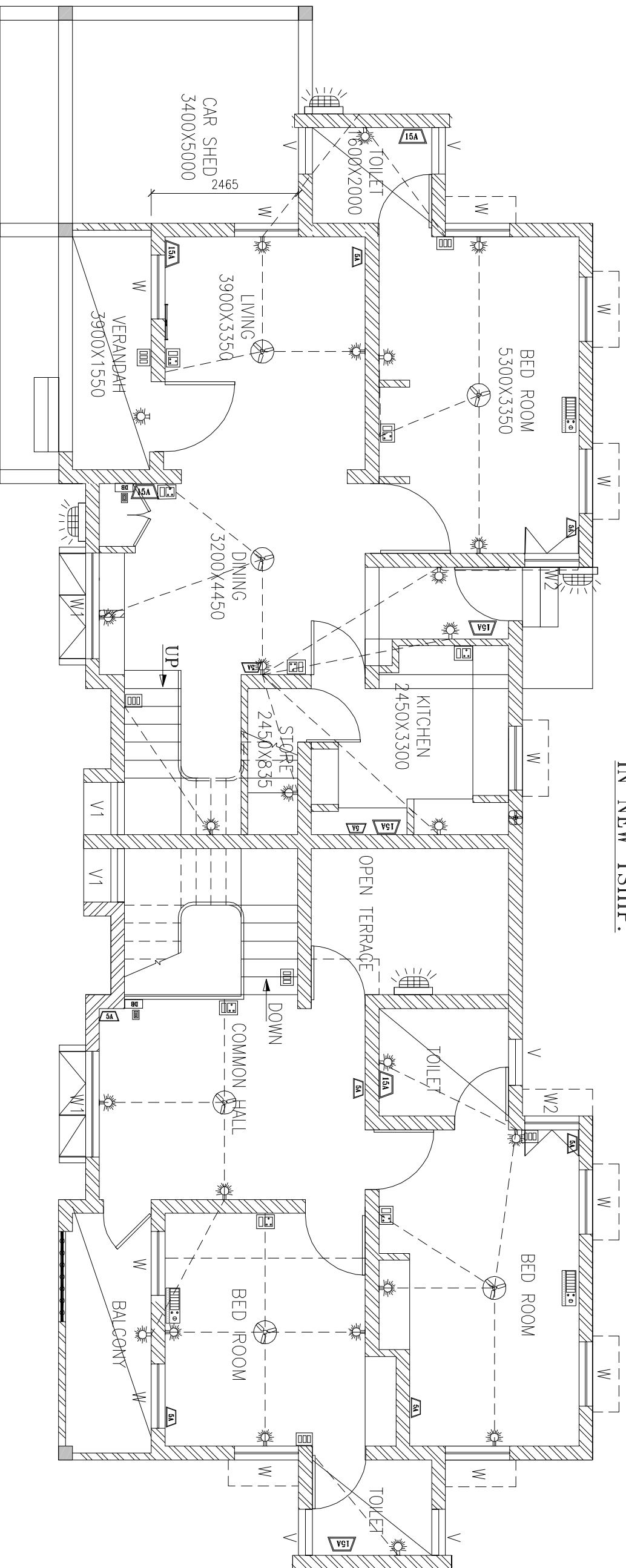
PROJECT NAME:	XXXX	SCALE:	Not to scdle
CUSTOMER NAME:	XXXX	DRAWN:	S.PARTHIBAN
CUST. CONSULTANT NAME:	XXXX	CHECKED:	FELIX ANTONY
		APPROVED:	C.CHELLADURAI
		CAD FILE NAME:	C383-QTRS-PLINE
		DRAWING NUMBER:	BHE-BAP-C10-0966
		CUST DWG.:	---

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

BHARAT HEAVY ELECTRICALS LTD.
UNIT: BOILER AUXILIARIES PLANT
RANIPET - 632 406.

DEPT:	CIVIL DESIGN	DEPT CODE:	9716
TITLE:	TYPE C QUARTERS-ELECTRICAL WIRE LINE & SYMBOLS DETAILS LAYOUT-NEW TOWNSHIP.		
REV.	DATE	DESCRIPTION	DRAWN
			CHKD.
			APPD.

**ELECTRICAL WIRE LINES & SYMBOLS DETAILS
LAYOUT FOR TYPE D QUARTERS
IN NEW TSHIP.**



GROUND FLOOR & FIRST FLOOR PLAN

TYPE-D QTRS. ELECTRICAL SYMBOLS		TYPE-D QTRS. ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTIONS	SYMBOL	DESCRIPTIONS
	A/C POINTS		15A-SWITCH BOXS
	5A-SWITCH BOXS		TUPE LIGHT
	FAN POINTS		BULK HEAD FITTING
			POWER LAMPS
			EXHAUST FAN
			SWITCH BOX
			SS-COMBINED
			2-WAY SWITCH
			DISTRIPUTION BOX

RELEASED FOR
PLAN NING

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETER & LEVELS ARE IN METER U.N.O
 2. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

CONSTRUCTIONS OF 12 NOS TYPE D QUARTERS IN NEW TOWNSHIP

PROJECT NAME/NO:	-	SCALE:	N.T.S
CUST/CONS NAME:	-	NAME:	S.PARTHIBAN
CUST/CONS NO:	-	SIGNATURE:	SIGNED
		DATE:	27/06/14
		CHECKED:	FELIX ANTONY
		SIGNED:	SIGNED
		DATE:	27/06/14
		APPROVED:	CHELLADURAI
		SIGNED:	SIGNED
		DATE:	27/06/14
		CAD FILE NAME:	C383-QTRS-PLINE
		DRAWING NUMBER:	
		REV.	0
		SHEETS	1 OF 1

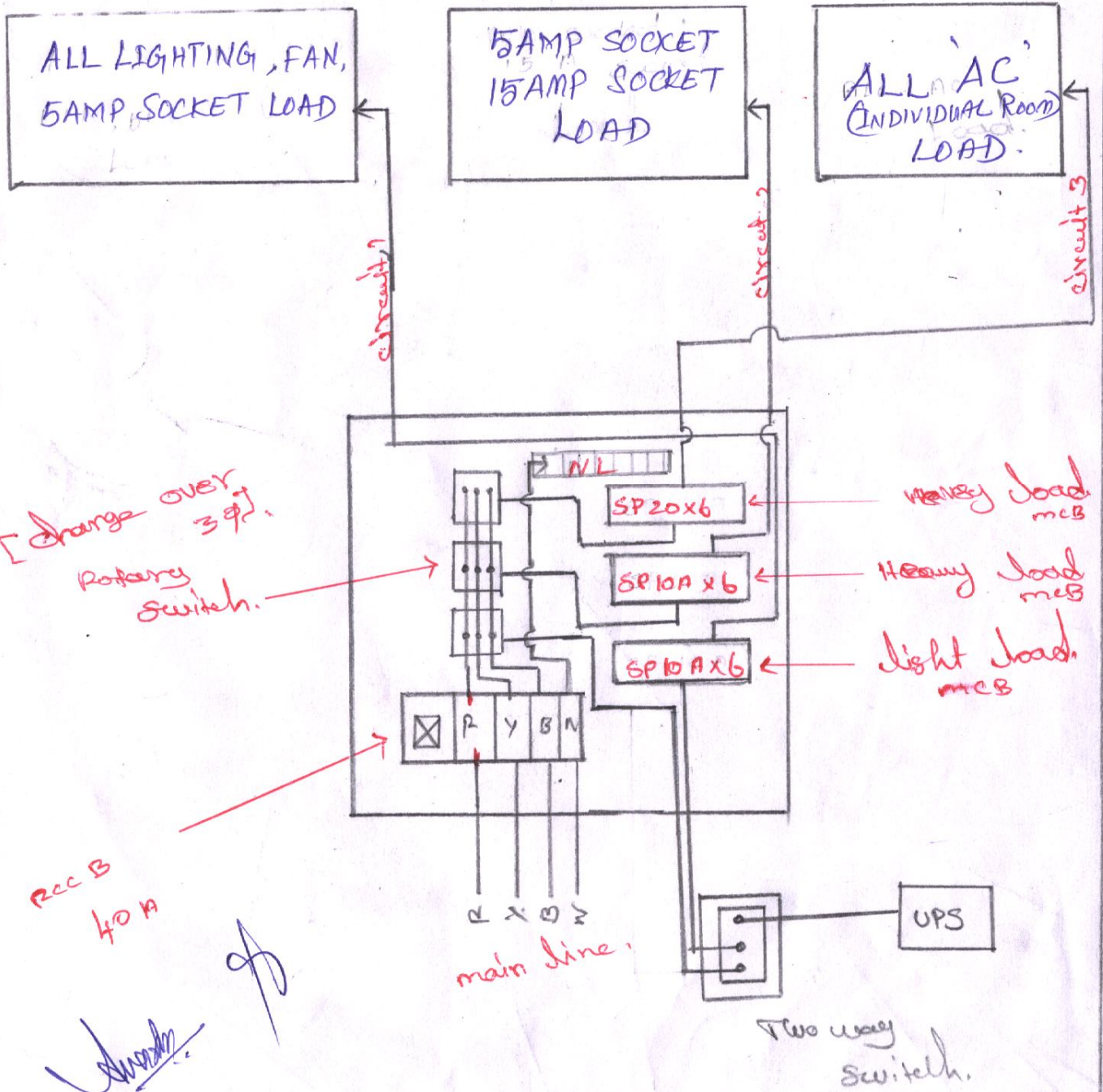
BHARAT HEAVY ELECTRICALS LTD.
UNIT: BOILER AUXILIARIES PLANT.
RANIPET - 632 406.

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

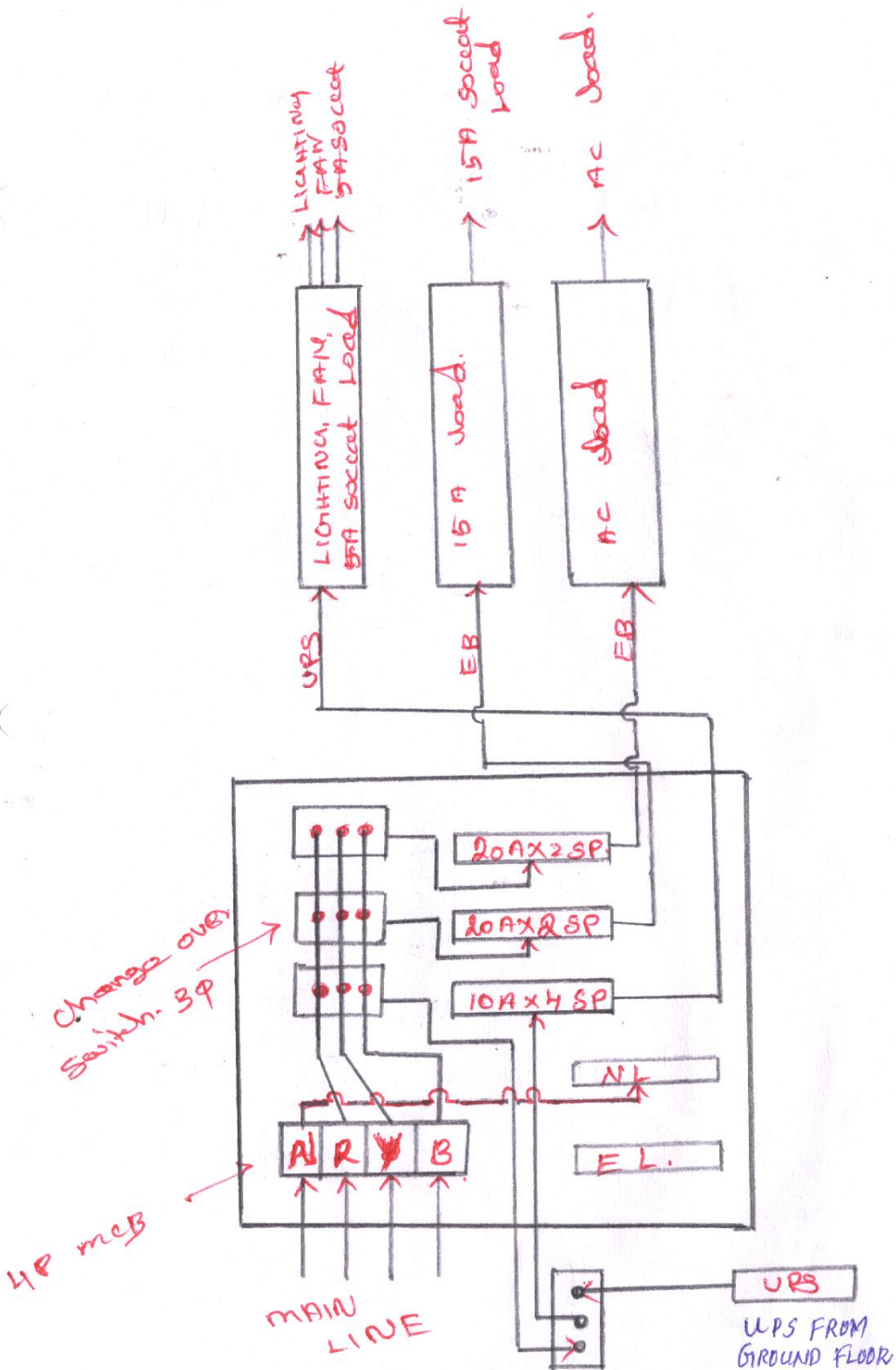
DEPT:	CIVIL-DESIGN	DEPT CODE:	9716
TITLE:	TYPE D QUARTERS-ELECTRICAL WIRE LINE & SYMBOLS DETAILS LAYOUT-NEW TOWNSHIP.	DRAWING NUMBER:	BHE-BAP-C30-0967
REV.	DATE	DRAWN	CHKD.
6		5	4

ELECTRIFICATION OF C-TYPE QUARTERS - 144 NOS

'D-B' WIRING DIAGRAM



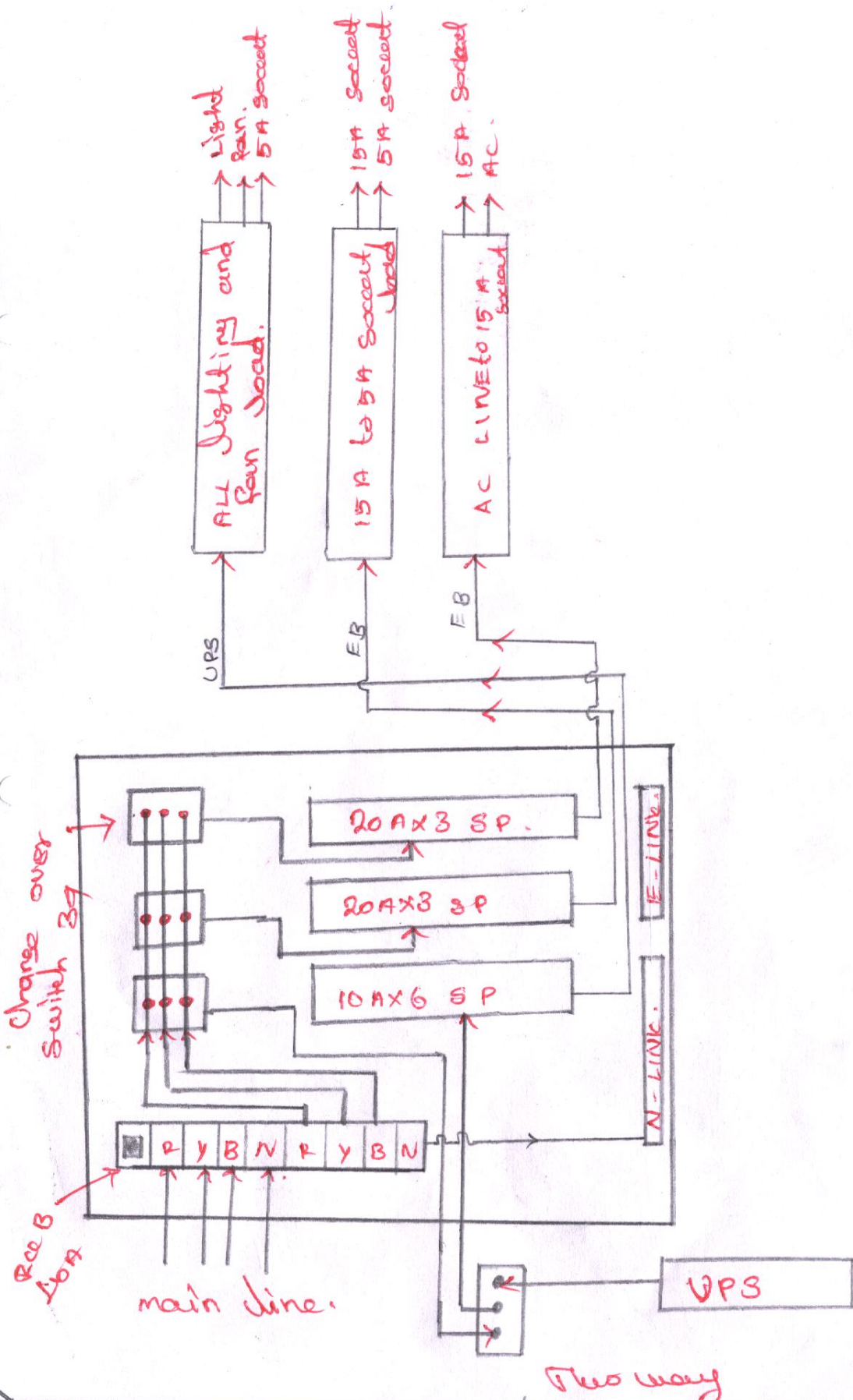
ELECTRIFICATION OF "D" TYPE QUARTERS - 10 Nos
 FIRST FLOOR: DB WIRING DIAGRAM



Handwritten signature

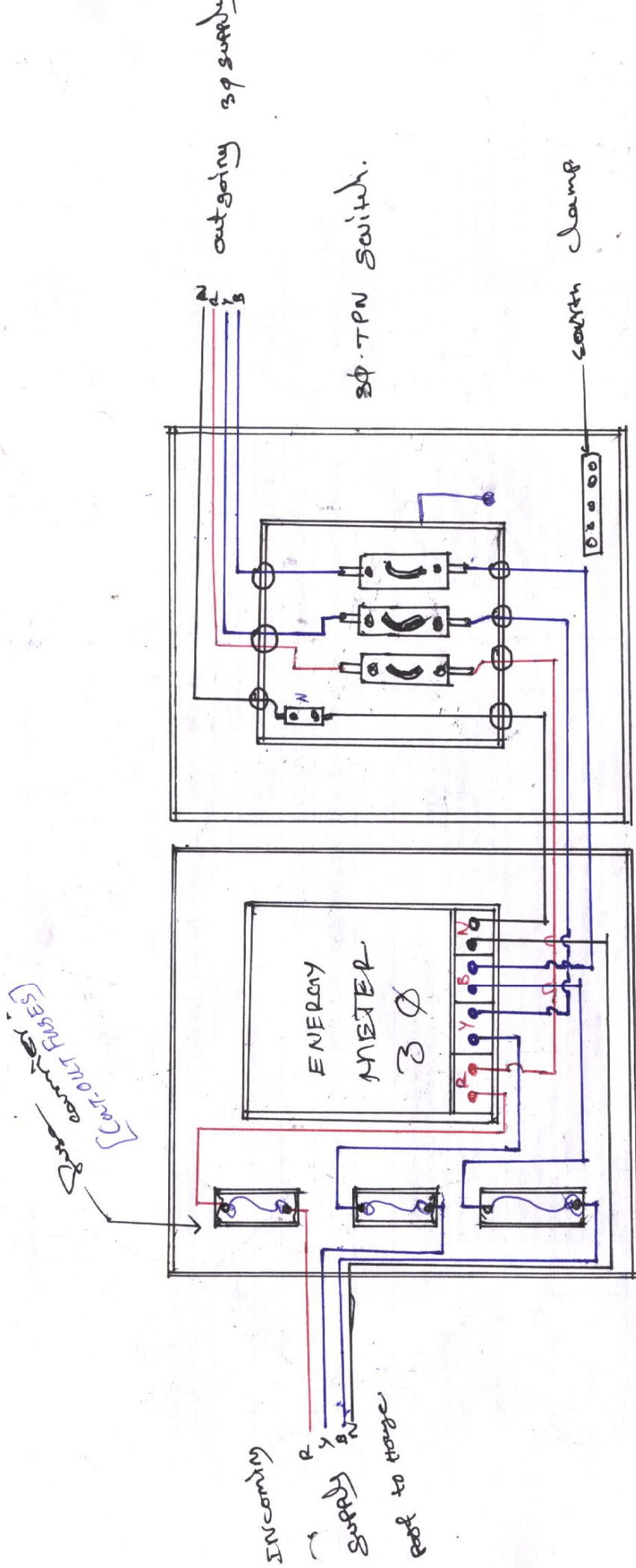
9

ELECTRIFICATION OF 'D' TYPE QUARTERS 1 & NOS
 GROUND FLOOR. DB WIRING DIAGRAM.



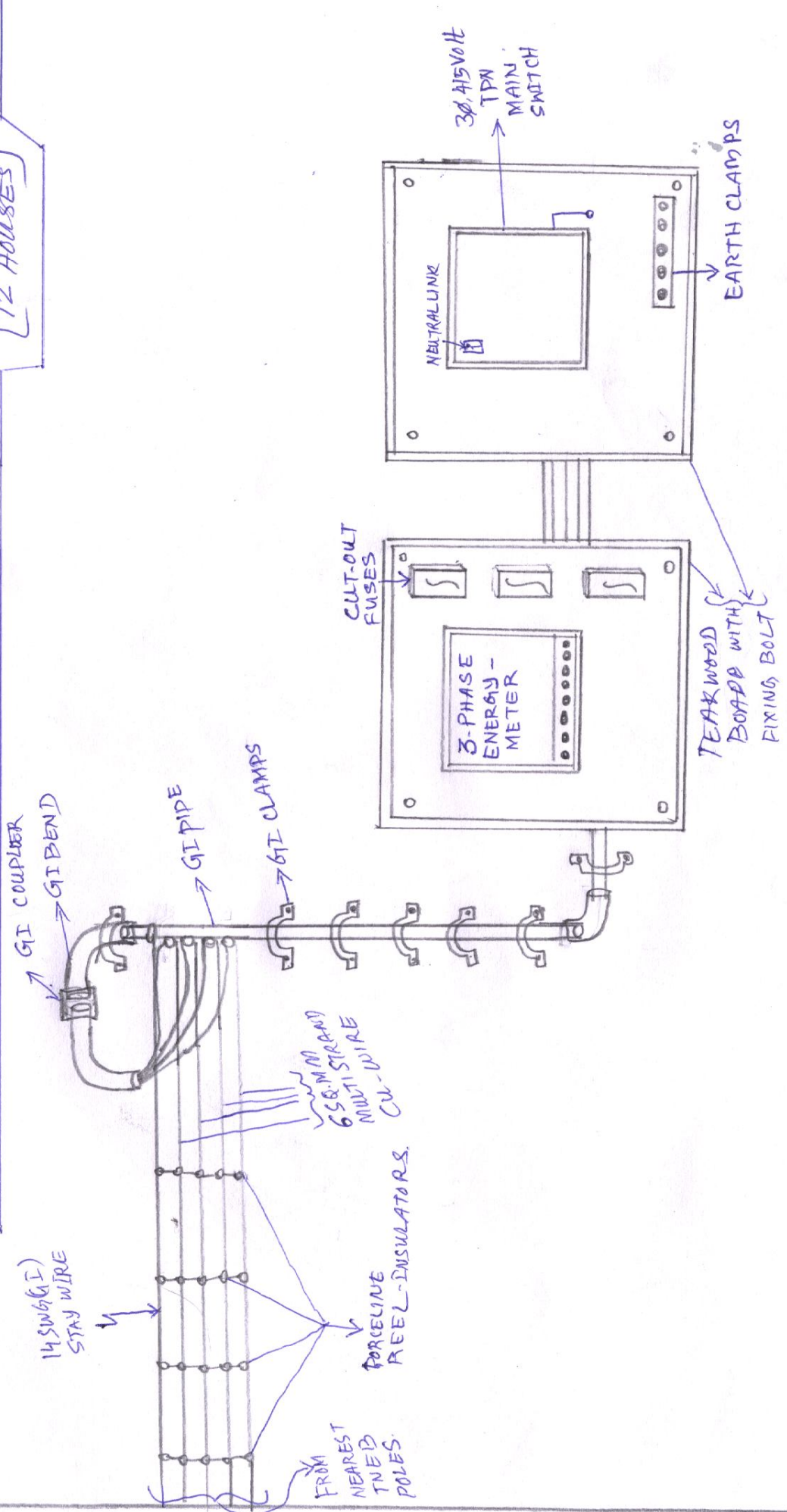
Handwritten signature

ENERGY-METER AND MAIN SWITCH ARRANGEMENT
IN 'C' & 'D' TYPE QUARTERS



Handwritten signature or mark.

ARRANGEMENT OF TAKING TNEB 3 ϕ SUPPLY FOR D-TYPE QUARTERS [12 HOUSES]



Chakra

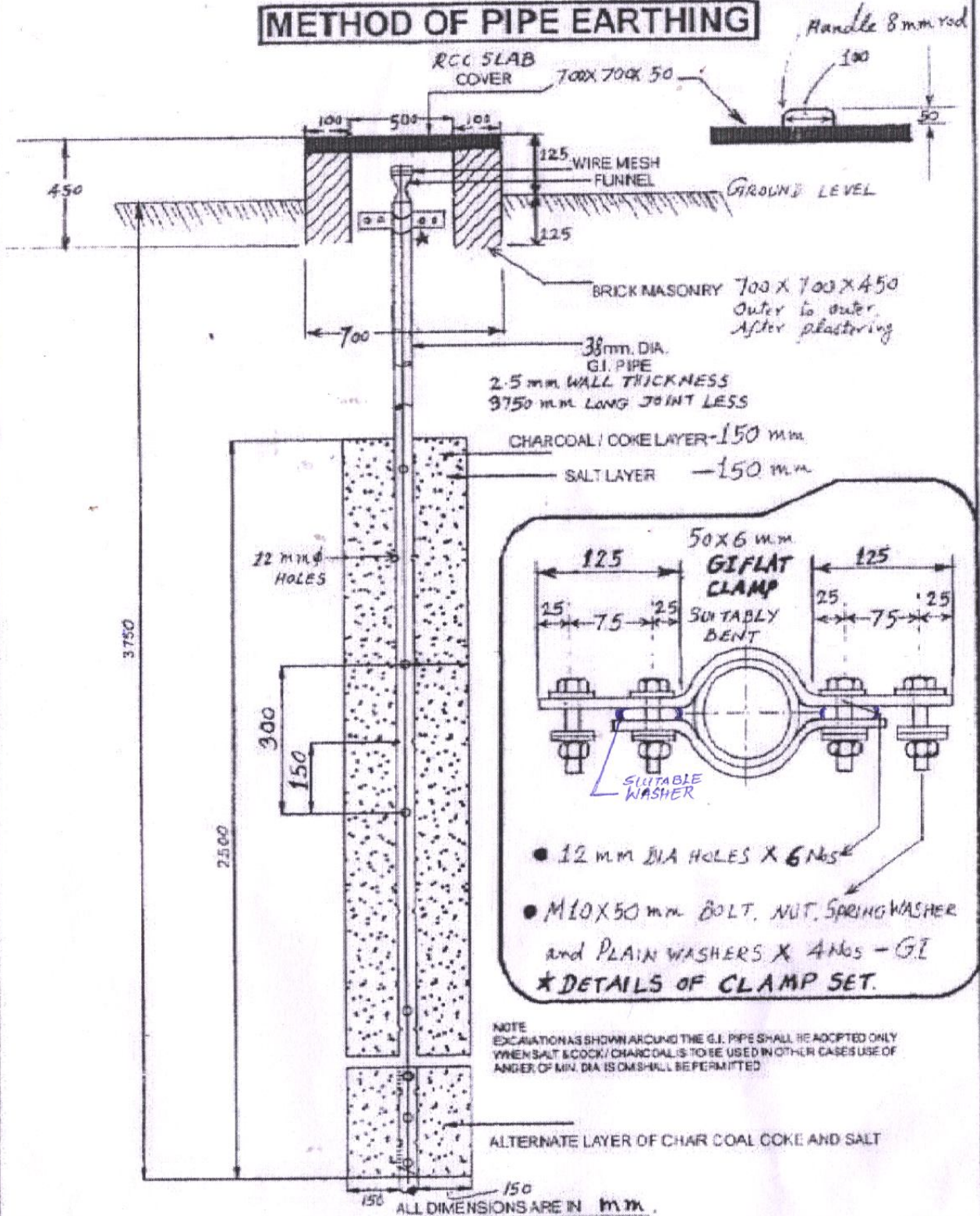
REFERENCE DRAWING No: **BAP:CTS:EL:PLNG:2014**

FOR ~~SL No 22~~ OF BILL OF MATERIALS OF B.C. D TYPE QUARTERS

NOT TO SCALE

ELECTRIFICATION WORKS

METHOD OF PIPE EARTHING



The EARTH PIT RESISTANCE VALUE HAS TO BE MEASURED & THE RESISTANCE VALUE SHOULD BE NEATLY WRITTEN WITH PAINT ON THE PIT SLAB COVER.

10

PART - II - PRICE BID

RATE SCHEDULE OF NEW C-TYPE (144 HOUSES) & D-TYPE (12 HOUSES)

PART-A. INTERNAL ELECTRIFICATION WORK OF NEW 'C'- TYPE QUARTERS (144 HOUSES). RATE SCHEDULE

Sl no	C-144	DESCRIPTION OF WORK	Qty.	Unit	UNIT RATE in RUPEES	TOTAL AMOUNT in RUPEES
C 01		Supply and fixing of most elegantly designed, Pre wired Double Door MCB Distribution Box concealed in wall inside the hall. MCB DB Fixing and rough plastering for contractor scope etc, comprising of the following: <u>INCOMER:</u> 1 No of 40 Ampere, RCCB, Sensitivity 30 mA and 40 Amps 4 POLE MCB, <u>OUTGOING:</u> 12 Nos of 10Amps SPMCBs and 06 Nos of 20Amps SPMCBs(Single pole MCB). All the internal termination should be made with suitable copper lugs and necessary fixtures as required. The MCB DB shall also be fitted with 3 No of 40 A Salzer make Rotary switches / Phase selector switches, 3 Phase indication lamps, earth bar, neutral link, MCB Box. Make: Hawells, L&T, Anchor, Legrent, Simens.	144	No	13,714.60	1,974,902.40
C 02		Supply and laying of 5 runs of Single core 6 Sq.mm PVC insulated Copper, flexible, multi-strand, FR cable in 1.25 inch dia PVC conduit laid concealed in wall / Ceiling. Cable color code <u>6 sq.mm copper wire are Red, Yellow, Blue for phase connections Black for Neutral and Green for Earth connection.</u> Note : The cost is measured per running meter basis ,which the cost specified 5 runs of 6sqmm cable (ie Per run is equal to 4+1run)	-	-		
	02-A	Between 3 Phase main switch fixed at outside and MCB DB Fixed at hall, with necessary inter connections, earth connections etc as required-- For Ground floor quarters.	300	Mtr	310.00	93,000.00
	02-B	Between 3 Phase Main switch fixed nearer the entrance of First floor steps to the Distribution box fixed in hall of First floor quarters, with necessary inter connections, earth connections etc as required - For First floor quarters.	500	Mtr	310.00	155,000.00
C 03		Supply and laying of 19 mm dia PVC pipe concealed on wall including supply and fixing of Havells make or equivalent make Modular TV socket with GI modular box mounted concealed on wall, from outside of the quarters to the convenient location inside the hall.	144	Pt	573.00	82,512.00
C 04		Supply and laying of 19 mm dia PVC pipe concealed on wall including supply and fixing of Havells make or equivalent make Modular TELEPHONE socket with GI modular box mounted concealed on wall, from outside of the quarters to the convenient location inside the hall.	288	Pt	699.00	201,312.00
C 05		Supply and fixing of GI Modular type switch box with 1 No of 15 / 20 Amp. two-way Switch, 1Nos of 15/20Amp. Socket with one way switch (for control) - 2/1 way Modular s/w, socket havelles make .or. Equivalent, with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required, adjacent to MCB DB inside the hall. <u>Note :</u> All the ceiling fans and one lighting circuits of all rooms/ shall be connected with these modular switch out going for UPS. One incoming power source shall be connected with Raw EB power. And the other incoming source shall be kept opened, for the future usage with UPS power . The contractor scope is supply & all ups connection to the above mentioned circuit with two run (phase and neutral) of 1.5Sq.mm Multi-strand, Copper, PVC insulated, FR (Flame Retardant) wire in separate circuit.	144	No	3,957.00	569,808.00
C 06		Supply and wiring with 3 runs of, Single core, 2.5 Sq mm, Multi-strand, Copper, PVC insulated, FRLS (Flame Retardant) cable in suitable PVC Conduit laid concealed in wall/ ceiling between (i) MCB DB & all lighting circuit switch boxes as Circuit / Sub main incoming wiring of all interior rooms. (ii) MCB DB and RAW power 15 A sockets <u>NOTE :</u> Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth.	16,500	Mtrs	140.00	2,310,000.00
C 07		Supply and wiring with 3 runs of, Single core, 1.5 Sq mm Multi-strand, Copper, PVC insulated, FRLS (Flame Retardant Low Smoke) cable in suitable PVC Conduit laid concealed in wall/ceiling with modular switches for LIGHT, FAN, calling BELL points of all points , 5A sockets with switch etc and also provide suitable PVC box type fan hook. <u>Each points includes supply, fixing and testing of modular switches for each controls , wires, 5A modular switch with sockets, ceiling rose, ivory slanding / pendent type holders, adaptor and all necessary fixtures such as connectors, screws, etc whichever is required</u> and also provided separate modular 5Amps socket and switch with suitable box in Bed Rooms, hall, kitchen, dining etc with 1.5sq.mm cu.wire and connections. Roof pvc pipelaying and providing fan hook with JB inside the concealed ceiling is under contractor scope. <u>NOTE :</u> Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth. all metal boxes should be earthed with suitable wire.	4,608	Pts	654.00	3,013,632.00

C 08	Supply and fixing of Modular Type Switch Boxes with the following modules, for lighting, fan, bell circuit & 5AMP switched socket, fan elec. regulator of all the rooms of " C " Type Quarters with suitable size GI Modular box with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required. Extra holes shall be covered with dummy plate.					
C08A	2Module	2WAY, BELL - Ground Floor Entrance	72	No	159.00	11,448.00
C08B	12Module	2way , L/TL,L/CFL,FAN,REG,SWITCH,5 A SOCKET -Ground Hall	72	No	365.00	26,280.00
C08C	12Module	L,L/WB,L/FOTO,L/Rear,FAN,REG,SWITCH,5A SOCKET GROUND FLOOR DINING	72	No	365.00	26,280.00
C08D	2Module	L,F/Exhaust - All Kitchen	144	No	159.00	22,896.00
C08E	2Module	L/Bath,L/Passage All Common Bath	144	No	159.00	22,896.00
C08F	12Module	L,L/CFL,L/NL,FAN,REG,SWITCH,SOCKET - All Bed Rooms(1)	144	No	365.00	52,560.00
C08G	12Module	L,L/CFL,L/NL,FAN,REG,SWITCH,SOCKET - All Bed Rooms(2)	144	No	365.00	52,560.00
C08H	1Module	2WAY First -Stair Case	36	No	159.00	5,724.00
C08I	3Module	2 WAY,2WAY BELL All FIRST FLOOR ENTRANCE	72	No	172.00	12,384.00
C08J	12Module	2W,L/TL,L/CFL,L/S.OUT,FAN,REG,SWITCH,SOCKET -All First Floor Hall	72	No	365.00	26,280.00
C08K	8Module	L,L/WB,L/FOTO,L/Rear,FAN,REG,SWITCH,5A SOCKET FIRST FLOOR DINING HALL	72	No	271.00	19,512.00
C08L	1Module	2Way switch for First floor main entrance, L/SWITCH All Attached Bath (144 Nos) & Open Terrace- Right Side(36 Nos)	252	No	159.00	40,068.00
C08M	2Module	2W,L/Switch Open Terrace Left Side	36	No	159.00	5,724.00
C 9	Supply & fixing of 4 feet, 40 Watts, Fluorescent Paddy type light fitting with copper choke & Fixed on suitable PVC rigid round block with its suitable fixtures inclusive of supply of two core flexible wire, adopter, interconnections, earth connection etc as required Make: philips, hawells or crompton greves.		144	No	554.25	79,812.00
C 10	Assembling & fixing of 1200 mm sweep ceiling fan on the existing hook. Work is inclusive of supply and fixing of ceiling rose, round sheet for fan ceiling JB , JB with fan hanging hook, suitable two core/2x0.75sq.mmtwin twisted and earth flexible wire providing inter connections, supply and connection of 2M step type electronic-regulator and earth connections as required. (Ceiling fan ONLY will be supplied by BHEL).		576	No	449.00	258,624.00
C 11	Supply and providing STAIR CASE wiring with, Single core, 1.5 Sq mm Multi-strand, Copper, PVC insulated, FR (Flame Retardant) cable in PVC Conduit laid concealed in wall / ceiling, including supply of ceiling rose, with suitable three core or two core and earth wire (green color) flexible wire from ceiling rose to equipment & earth connection for Bulk head fitting (Make: Havells, anchor,bajaj,Philips) etc for, (i) Ground floor MAIN entrance Bulk head fitting. (ii) First floor steps Bulk head fitting. (iii) First floor MAIN entrance Bulk head fitting. (iv) First floor to Open terrace steps Bulk head fitting Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth.		216	Pts	782.00	168,912.00
C 12	Supply and fixing of Bulk head fittings with necessary three core flexible wire (these connection from ceiling rose to equipment-one for earth,one for phase, one for neutral) ceiling rose connection,earth connection etc as required, at Main entrance, rear side garden, staircase, open terrace.					
	12 A	Bulk Head Fitting with 11 W CFL (CFL make: Hawells, Bajaj,Philips,CGL)	144	No	432.00	62,208.00
	12 B	Ordinary BHF with 40 W Incandescent lamp Make: Philips, Bajaj,CGL	288	No	240.00	69,120.00
C 13	Supply and fixing of 40 Watts, 230 Volt, Incandescent lamps in Kitchen, Dining hall, Bed rooms, Bath, Toilet, Passage and in all Bulk head fittings.		1,700	No	18.00	30,600.00
C 14	Supply and fixing of 12 inch dia Exhaust fan with self closing louvers, on the existing opening of kitchen wall. Work inclusive of providing fan connection, earth connection, checking and ensuring proper working of exhaust fan with necessary three core flexible wire (these connection from ceiling rose to equipment - one for earth,one for phase, one for neutral).Make: CGL,Orient, Kaithan,hawells etc		144	No	3,020.00	434,880.00
C-15	Supply and wiring with 3 runs of, Single core, 4 Sq mm Multi-strand Copper, PVC insulated,FR cable in PVC Conduit laid concealed in wall/ceiling, ceiling between MCB DB and Air Conditioner Metal Clad Sockets (Separate circuit to bed rooms) Note : The cost is measured per running meter basis,which the cost specified for 3 runs of 4sqmm cable (ie Per run is equal to 2+1run) Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth (2.5Sq.MM for earth).		4,950	RM	171.00	846,450.00
C16	Supply and fixing of Modular type switch box with 1 No of 15 Ampere Modular switch with light indicator & 1 No of Modular type 15 Ampere cum 5 Ampere, 3 pin socket, with suitable /existing size GI Modular box with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required. Make: Hawells, L&T, Legrend etc.		864	No	411.00	355,104.00
C17	Supply and fixing of metallic MCB Distribution Box mounted concealed in wall, comprising of 20 Ampere- Single pole MCB, C" Curve & 20 A, 3 pin metal clad socket with 3 pin Metal clad plug top etc for Air Conditioner . Make: BCH, HAWELLS, SIMENS, L&T hager,Anchor		288	No	796.00	229,248.00

C18	Supply and providing Earth pit as per the Drawing No: BAP:CTS:EL:PLNG:2014 attached. All the materials required for providing the earth pit, as per the drawing is under contractor's scope. The earth resistance values to be measured with presence of BHEL Engineer and also the values to be entered on the top cover with paint. (white & black).	72	No	13,333.00	959,976.00
C19	Supply and laying of 8 SWG Bare copper wire on concealed in wall and 0.5 Mtr depth below ground, from Earth clamp at Meter board/ICTPN to the Earth pit and . Providing proper earth connections of both ends for 144 Service connections. Providing proper earth connections of all ends (Suitable spring and plain washers, nuts, bolts etc wherever is required). One earth pit should be connected two houses	1,300	Mtr	94.00	122,200.00
C-20	Supply and fixing of 3phase 4wire 415 volt metering board with 3 nos. of 40/32Amps.415 volts Porcelaine Kit-Kat type fuse with base and 40/32Amps. TPN Fuse main Switch, neutral link. Make: Hawells,GE,L&T,Anchor of 19mm water proof Plywood of suitable size as per BHEL Drawing and also Supply and fixing of 40/32Amps 3 way earth clmp on metering board. The contractor shall liaison with TNEB for getting service connection to the house with due certificates of the electrical works carried out by them with complying required formalities within the quoted rates, though the energy meters switch board main fuse carrier boxes and wiring between them receiving servies connection from pole etc, may be executed by other agency under another contract the main contractor (of this tender) may verify this other agency's work for certifying and applying for obtaining service connction within the quoted rates.	144	No	4,800.00	691,200.00

**PART-B INTERNAL ELECTRIFICATION WORK OF NEW 'D'- TYPE QUARTERS (12HOUSES).
RATE SCHDULE**

SI No	D-12 Description of work	Qty	Unit	UNIT RATE in RUPEES	TOTAL AMOUNT in RUPEES
D 01	Supply and fixing of most elegantly designed, Pre wired following suitable Double Door MCB Distribution Box concealed in wall inside the hall in ground floor, first floor and inside of servent quarter. MCB DB supply, Fixing, rough plasting,testing &commissioning for contractor scope etc, comprising of the following: All the internal termination should be made with suitable copper lugs, paste, necessary fixtures etc and also provide separate suitable cable ties also.				
	01- A FOR GROUND FLOOR 415VOLTS,6WAY(8+18)DOUBLE DOOR TPND B WITH PHASE SELECTOR SWITCH INCOMER: 40Amps RCCB sensitivity 30mA with 04 pole MCB - 01No each. OUTGOING: 10Amps. SinglePole MCB - 06 Nos and 20Amps. SinglePole MCB - 06Nos. The MCB DB shall also be fitted with 3 No of 40 A Salzer make Rotary switches / Phase selector switches, 3 Phase indication lamps, earth bar, neutral link, MCB Box etc. Make: Hawells, L&T, Anchor, Legrent, Simens.	12	No	12,838.60	154,063.20
	01- B FOR FIRST FLOOR 415VOLT, 4WAY(4+12) DOUBLE DOOR TPND B. INCOMER from Ground floor DB: 40 Amps 04 pole MCB - 01No. OUTGOING: 10Amps. SinglePole MCB - 04Nos and 20Amps. MCB SinglePole - 04Nos. Make: Hawells, L&T, Anchor, Legrent, Simens.	12	No	8,654.60	103,855.20
	01- C FOR SERVENT QUATER INCOMER from Ground Floor DB: 16 Amps, 230VOLTS, DP MAIN-SWITCH WITH METAL CLAD. OUTGOING: 16Amps Porcelaine fuse unit - 04Nos, 4way neutral link - 01Nos, and TeakWood(TW)Box (12"X8"X3") - 02 Nos Make: Hawells, L&T, Anchor, Legrent, Simens.	12	No	979.00	11,748.00
D02	Supply and laying of 5 runs of Single core 10Sq.mm PVC insulated Copper, flexible, multi-strand, FR cable in 1.25 inch dia PVC conduit laid concealed in wall / Ceiling. Cable color code 10 sq.mm copper wire are Red, Yellow, Blue for phase connections Black for Neutral and Green for Earth connection . Note : The cost is measured per running meter basis ,which the cost specified 5 runs of 10sqmm cable(ie Per run is equal to 4+1run)	-	-		
	02-A Between 3 Phase main switch fixed at outside and MCB DB Fixed at hall, with necessary inter connections, earth connections etc as required. For Ground floor quarters.	70	Mtr	310.00	21,700.00
	02-B Between 3 Phase Main switch fixed nearer the entrance of First floor steps to the Distribution box fixed in hall of First floor quarters, with necessary inter connections, earth connections etc as required – For First floor quarters.	120	Mtr	310.00	37,200.00

D03	Supply and laying of one number 2CX10SQ.MM Aluminium Conductor PVC/XLPE power cable 1.1kv grade insulated Armoured Cable laying on wall (concealed) and on underground includes sand, excavation, cushioning, protective covering, and refilling the trench etc from GROUND FLOOR Main MCB Distribution Board to SERVENT Quarter Incomer DP MAIN SWITCH with all necessary fixtures as required as per BHEL Safety rules, laying drawing and special instruction	360	Mtr	289.00	104,040.00
D04	Supply and laying of 19 mm dia PVC pipe concealed on wall including supply and fixing of Havells make or equivalent make Modular TV socket with GI modular box mounted concealed on wall, from outside of the quarters to the convenient location inside the hall.	12	Pt	573.00	6,876.00
D05	Supply and laying of 19 mm dia PVC pipe concealed on wall including supply and fixing of Havells make or equivalent make Modular TELEPHONE socket with GI modular box mounted concealed on wall, from outside of the quarters to the convenient location inside the hall.	24	Pt	699.00	16,776.00
D06	Supply and fixing of GI Modular type switch box with 1 No of 15 / 20 Amp. two-way Switch, 1Nos of 15/20Amp. Socket with one way switch (for control) - 2/1 way Modular s/w, socket havelles make .or. Equivalent, with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required, in the hall as convenient place. Note : All the ceiling fans and one lighting circuits of all rooms in ground and first floor shall be connected with these modular switch out going for UPS. One incoming power source shall be connected with Raw EB power. And the other incoming source shall be kept opened, for the future usage with UPS power . The contractor scope is supply & all ups connection to the above mentioned circuit with two run (phase and neutral) of 1.5Sq.mm Multi-strand, Copper, PVC insulated, FR (Flame Retardant) wire in separate circuit.	12	No	5,882.00	70,584.00
D07	Supply and wiring with 3 runs of, Single core, 2.5 Sq mm, Multi-strand, Copper, PVC insulated, FRLS (Flame Retardant) cable in suitable PVC Conduit laid concealed in wall/ ceiling between (i) MCB DB & all lighting circuit switch boxes as Circuit / Sub main incoming wiring of all interior rooms. 3run taken as 1mtrs. NOTE : Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth.	950	Mtrs	140.00	133,000.00
D08	Supply and wiring with 3 runs of, Single core, 1.5 Sq mm Multi-strand, Copper, PVC insulated, FRLS (Flame Retardant Low Smoke) WIRE/Cable in suitable PVC Conduit laid concealed in wall/ceiling with modular switches for LIGHT, FAN, calling BELL points, 5A sockets with switch etc in ground floor, first floor, servant quarters and car-shed. Also provide suitable PVC box type fan hook as required. <u>Each points includes supply, fixing and testing/commissioning of modular switches for each controls . wires, 5A modular switch with sockets, ceiling rose, ivory slanting / pendant type holders, adaptor and all necessary fixtures such as connectors, screws, elbow, bends etc whichever is required</u> and also provided separate modular 5Amps socket and switch with suitable box in Bed Rooms, hall, kitchen, dining etc with 1.5sq.mm cu.wire and connections. Roof pvc pipelaying and providing fan hook with JB inside the concealed ceiling is under contractor scope. NOTE : Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth. all metal boxes should be earthed with suitable wire.	660	Pts	654.00	431,640.00
D09	Supply and fixing of Modular Type Switch Boxes with the following modules, for lighting, fan, bell circuit & 5AMP.switched socket, fan elec.regulator of all the rooms of " C" Type Quarters with suitable size GI Modular box with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required. Extra holes shall be covered with dummy plate.				
D09A	2-Module	36	No	159.00	5,724.00
D09B	12-Module	72	No	365.00	26,280.00
D09C	8-Module	12	No	271.00	3,252.00
D09D	6-Module	12	No	241.00	2,892.00
D09E	1-Module	48	No	159.00	7,632.00
D10	Supply & fixing of 4 feet, 40 Watts, Fluorescent Paddy type light fitting with copper choke & Fixed on suitable PVC rigid round block with its suitable fixtures inclusive of supply of two core flexible wire, adopter, interconnections, earth connection etc as required Make: philips, hawells or crompton greves.	12	No	554.25	6,651.00
D11	Assembling & fixing of 1200 mm sweep ceiling fan on the existing hook. Work is inclusive of supply and fixing of ceiling rose, round sheet for fan ceiling JB , JB with fan hanging hook, suitable two core/2x0.75sq.mmtwin twisted and earth flexible wire providing inter connections, supply and connection of 2M step type electronic-regulator and earth connections as required. (Ceiling fan ONLY will be supplied by BHEL).	60	No	449.00	26,940.00
D12	Supply and providing STAIR CASE wiring with, Single core, 1.5 Sq mm Multi-strand, Copper, PVC insulated, FR (Flame Retardant) cable in PVC Conduit laid concealed in wall / ceiling, including supply of ceiling rose, with suitable three core or two core and earth wire (green color) flexible wire from ceiling rose to equipment & earth connection for Bulk head fitting (Make: Havells, anchor, bajaj, Philips) etc for, (i) Ground floor MAIN entrance angle holder fitting. (ii) First floor steps Bulk head fitting. (iii) First floor MAIN entrance Bulk head fitting. (iv) First floor to Open terrace steps Bulk head fitting NOTE : Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth.	24	Pts	782.00	18,768.00

D13	Supply and fixing of Bulk head fittings with necessary three core flexible wire (these connection from ceiling rose to equipment-one for earth,one for phase, one for neutral) ceiling rose connection,earth connection etc as required, at Main entrance, rear side garden, staircase, open terrace.					
	13 A	Ivory Slanding Holder with 11 W CFL (CFL make: Hawels, Bajaj,Philips,CGL)	12	No	432.00	5,184.00
	13 B	Ordinary BHF with 40 W Incandescent lamp Make: Philips, Bajaj,CGL	36	No	240.00	8,640.00
D14	Supply and fixing of 40 Watts, 230 Volt, Incandescent lamps in Kitchen, Dining hall, Bed rooms, Bath, Toilet, Passage and in all Bulk head fittings.		335	No	18.00	6,030.00
D15	Supply and fixing of 12 inch dia Exhaust fan with self closing louvers, on the existing opening of kitchen wall. Work inclusive of providing fan connection, earth connection, checking and ensuring proper working of exhaust fan with necessary three core flexible wire (these connection from ceiling rose to equipment - one for earth,one for phase, one for neutral). Make: CGL,Orient, Kaithan,hawells etc		12	No	3,020.00	36,240.00
D16	Supply and wiring with 3 runs of, Single core, 4 Sq mm Multi-strand Copper, PVC insulated,FR cable in PVC Conduit laid concealed in wall/ceailing, ceiling between (i) MCB DB and Air Conditioner Metal Clad Sockets (Separate circuit to bed rooms) (ii) MCB DB'sand RAW power 15Ams Socket. Both in first floor and ground floor, bed room,bathroom ,kitchen,hall etc Note : The cost is measured per running meter basis,which the cost specified for 3 runs of 4sqmm cable (ie Per run is equal to 2+1run) Color code for 3 runs of cable is as follows RED-Phase, BLACK-Neutral, GREEN-Earth (2.5Sq.MM for earth).		2,000	RM	171.00	342,000.00
D17	Supply and fixing of Modular type switch box with 1 No of 15 Ampere Modular switch with light indicator& 1 No of Modular type 15 Ampere cum 5 Ampere, 3 pin socket, with suitable / existing size GI Modular box with Modular plate and cover in front, mounted concealed in wall, including interconnections, earth connections as required. Make: Hawells,Anchor, L&T , Legrend etc.		72	No	411.00	29,592.00
D18	Supply and fixing of metallic MCB Distribution Box mounted concealed in wall, comprising of 20 Ampere- Single pole MCB, C ⁿ Curve & 20 A, 3 P in metal clad socket with 3 pin Metal clad plug top etc for Air Conditioner . Make: BCH, HAWELLS, SIMENS, L&T hager,Anchor		36	No	796.00	28,656.00
D19	Supply and providing Earth pit as per the Drawing No: BAP:CTS:EL:PLNG:2014 attached. All the materials required for providing the earth pit, as per the drawing is under contractor's scope. The earth resistance values to be measured in presence of BHEL Engineer and also the values to be entered on the top cover with paint(white &black)		12	No	13,333.00	159,996.00
D20	Supply and laying of 8 SWG Bare copper wire on concealed in wall and 0.5 Mtr depth below ground, from Earth clamp at Meter board/ICTPN to the Earth pit and Providing proper earth connections of both ends for 12 Service connections. Providing proper earth connections of all ends (Suitable spring and plain washers, nuts, bolts etc wherever is required). One earth pit should be connected 1-houses		96	Mtr	94.00	9,024.00
D-21	Supply and fixing of 3phase 4wire 415 volt metering board with 3 nos. of 63Amps 415 volts Porceline Kit-Kat type fuse with base and 63Amps. TPN Mainswitch sheet steel type with 8wayneutral Link fixing with suitable bolts and also Supply and fixing of 63Amps 3 way earth clamp on metering board. Make: Hawells, GE, L&T, Anchor of 19mm water proof Plywood of suitable size as per BHEL Drawing		12	No	5,112.70	61,352.40
D-22	Supply and fixing of 4run of single core, 6Sq.mm Multi stranded FRLS copper cable /wire (600mtr appro. or as required) with ISI mark confirming to IS:694/1990 and 1run of 14SWG GI wire(earth) for 12 quarters EB service connection with neccessary porceline reel insulators , binding the reel insulators with 18 guage cu. wire and connection at both ends (between TNEB nearest Service pole to individual quarters energy meter points) and wires run through between top of the buiding with proper anchoring to energymeter connection end through 40 mm GI pipe (6mX12Nos), bend (3noX12), clamps(7no.X12no) and coupler(03nox12)other neccessary fixtures are as required for12 quarters. The contractor shall liaison with TNEB for getting service connection (12Houses)to the house with due certificates of the electrical works carried out by them with complying required formalities within the quoted rates, though the energy meters switch board main fuse carrier boxes and wiring between them receiving servies connection from pole etc, may be executed by other agency under another contract the main contractor (of this tender) may verify this other agency's work for certifying and applying for obtaining servioce conction within the quoted rates. (Necessary TNEB statutory fees will be paid by BHEL)		12	No	189,275.08	189,275.08
SUB-TOTAL OF [PART (A) + PART (B)] IN RUPEES						1,50,98,723.28



M/s Bharat Heavy Electricals Limited

Boiler Auxiliaries Plant, Indira Gandhi Industrial Estate,
Ranipet - 632406. Vellore - District (TN).

PRICE BID

Name of Work: "INTERNAL ELECTRIFICATION WORK OF NEW 'C' TYPE – 144 HOUSES & 'D' TYPE – 12 HOUSES UNDER CONSTRUCTION IN BHEL TOWNSHIP, RANIPET- 06, TAMIL NADU"

TOTAL ESTIMATED VALUE OF THE WORK	(A)	--	15,098,723.28	--
-----------------------------------	-----	----	---------------	----

CONTRACTOR'S TENDER PERCENTAGE @

(1) ABOVE _____ %	(B)	--		(4).
(2) BELOW _____ %				
(3) AT PAR _____ %				

PERCENTAGE IN WORDS:

SUB TOTAL:

(5) IF ABOVE (A+B)	(C)	--	(8).
(6) IF BELOW (A - B)	(C)	--	
(7) IF AT PAR (A)	(C)	--	

SERVICE TAX @ _____ % [FULL SERVICE TAX FOR THE QUOTED VALUE (C) PLUS FREE ISSUE MATERIAL VALUE OF Rs. 6,88,788.00]	(D)	--	(9).
---	-----	----	------

SERVICE TAX HEAD : _____

TOTAL VALUE OF WORK [(C + D)] = E	(10).
---------------------------------------	-------

RUPEES IN WORDS :

NOTE:

- 1) Tick whichever is applicable (1) / (2) / (3) above. In case of omission in Ticking, figures indicated in the amount column will be considered.
- 2) Boxes (1), (2), (3) any one is to be ticked as per quote. Boxes (5), (6), (7) any one box is to be filled in with appropriate figures. The total value of work should be filled in Box (10) includes Tender quote value plus quoted service tax.
- 3) Value of Free issue material (ceiling fans) to be supplied by BHEL is Rs.6,88,788.00