

TENDER DOCUMENT

TENDER NOTICE NO: BAP:M&S:TE:EL:12:011:DT:30.07.2012

Name of work	Electrification of R1 Bay Extension
Period of Contract	Three months

Issued to M/s. :

**PART – I – TECHNICAL BID
(or Qualification Bid)
(Pages: 3 to 38)**



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

ISSUING OFFICER

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Bharat Heavy Electricals Limited

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

RANIPET – 632 406, INDIA

Phone No.:04172-284623

FAX No.:04172-241201

E-mail: plramana@bhelrpt.co.in

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

NOTICE INVITING TENDER

Tender Notice No	BAP:M&S:TE:EL:12:011:DT:30.07.2012
Name of work	Electrification of R1 Bay Extension
Type of tender	Open tender
Period of contract	Three Months
Earnest Money Deposit (EMD) Amount	Rs. 40,000/- (Rs. Forty thousand only)
Last date & Time for Receipt of the Tender	21.08.2012 .14.30 Hrs.
Date of Technical bid Opening	21.08.2012 .14.30 Hrs onwards .
(Please obtain updated information from the website about the latest applicable dates & other changes if any in the tender contents)	
Date of Price Bid Opening	Bidders whose technical bids are found acceptable will be intimated separately about the status of their offers and the date of opening of Price Bid / Reverse auction.
Place of submission of Tender	Tender Box placed in M&S Office, BHEL Township Ranipet – 632 406
Address on the Sealed Tender Cover to be:	SENIOR MANAGER / M&S PLANNING & ES M & S DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED RANIPET – 632 406 VELLORE DISTRICT TAMIL NADU
Venue of the Tender Opening	M&S Conference hall
<ol style="list-style-type: none">1. The Tender documents can be down loaded from BHEL website (http://www.bhel.com/tender/list_tender.php) and Govt tender web site: http://tenders.gov.in/ and also in Central Public Procurement Portal (CPP) website: http://eprocure.gov.in/epublish/app2. Interested bidders may alternately collect hard copy of tender specification documents at free of cost from M&S Dept / BHEL / Ranipet on all working days (between 10.00 to 15.00 hrs) .3. BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.4. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web pages (www.bhel.com > Tender notifications > view corrigendum) only and not in the news papers. Bidders shall keep themselves updated with all the such developments.5. BHEL reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any on going job or any similar job in the past.	

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IMPORTANT NOTE TO BIDDERS

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

- 1) EMD cover shall contain requisite EMD in the form of Demand Draft (DD). Bidders who have already remitted one time EMD of Rs. 2 Lakh need not submit the DD. However they have to furnish the details of Cash Receipt No. & Date on the top of the EMD cover. Tender without EMD / One time EMD reference will be summarily rejected. EMD in any other form will not be accepted.**
- 2) Technical/Qualification bid cover shall contain duly filled in qualification bid document signed by the bidder in all the pages with documentary evidences for pre-qualification such as Balance sheet, P&L A/c, experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.**
- 3) The price bid cover shall contain price bid document(BHEL format only) duly filled in and signed by the bidder in all the pages. The bidder has to quote most competitive rates for all the items in the price bid. The completed qualification bid and price bid along with requisite EMD of Rs 40,000 /- 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 21.08.2012 at 14.30 Hrs.**

(This earnest money deposit will be refunded to the unsuccessful Bidders after finalization of the award of work. In case of successful bidder, the earnest money will be retained as part of the Security Deposit for satisfactory completion of the work in accordance with BHEL's General Conditions of Contract enclosed. No interest will be paid on the earnest money deposit. EMD by the bidder will be forfeited if i) After opening the tender / price bid/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/ Technical bid will be opened on 21.08.2012 at 14.30 hrs onwards . In case of opening day falls on holiday or happened to be declared as a holiday the receipt and opening of the Tender shall automatically fall at the same timing on the next working day. Date and time of opening of the price bid/ Reverse auction shall be intimated to those bidders who have qualified in the technical bid. The bidders or their authorized agents can participate in the tender opening for which they shall bring authorization letter for attending tender opening.**
- 5) Bidders are required to submit their price bid in the BHEL format only .**
- 6) Seeking clarification on Tender Specification : Clarifications on tender specification if any may be sought by the bidders during the office hours only from the **Sr.Manager/M&S-** phone no -04172-284623, mobile no: 9442509822 .**

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- 7) All the information as called for in the various clauses and annexure of tender specification should be furnished. Please refer to the check list. The details so furnished should be complete in all respects and as per the formats prescribed in the Tender specification (Statutory requirement of Contract). The bidder may have to produce original documents for verification, if so decided by BHEL.
- 8) Offers received with any deviation or without relevant information are liable to be rejected.
- 9) Price bids received in any form other than prescribed in PRICE BID are liable to be rejected.
- 10) **The bidder has to quote his Rate for all individual items in the Rate Schedule of Price Bid. If the bidder has not quoted the Rate for any item(s), it is considered as incomplete tender and tender can not be accepted.**
- 11) **The tender offer should be kept valid for 3 MONTHS from the date of Price bid opening** for acceptance by BHEL. No unsolicited revision in the tender offer shall be entertained after opening of tenders and till expiry of the validity period.
- 12) **Liquidated Damages/Penalty:** BHEL will impose Liquidated Damages and Penalty at the rate of ½ % of the balance pending work amount per week of delay and up to maximum of 5 % of the total contract value only if the delay is due to the reasons solely 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 **Terms and Conditions of reverse auction** in Pages **5 to 15**. No extension of time on this account will be entertained for bid submission
- 14) Quoted rates shall be firm through out the contract period and extended period also and no cost escalation is allowed on any account.
- 15) **The similar works executed in the own name of the bidder only will be considered for eligibility / qualification criteria.**

SPECIAL TERMS AND CONDITIONS TO ENQUIRY

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

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

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

SIGNATURE OF THE BIDDER
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E FORMAT

THE PURCHASE / CONTRACT EXECUTING AGENCY / BHEL

ACCEPTANCE FOR ELECTRONIC FUND TRANSFER / RTGS TRANSFER

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

CERTIFICATE

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

AUTHORISED SIGNATORY WITH NAME SEAL

Banker's Certification

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

PLACE:
DATE :

(Manager / Officer's)
Signature Under Bank stamp and Name Seal
With Membership No.

(Telephone / Mobile No.)

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A) GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION

BHEL, Ranipet may resort to “Reverse Auction method for finalizing the L-1 bidder through. **ON LINE BIDDING on INTERNET.**

1. For the proposed reverse auction, technically and commercially qualified bidders only can participate in the online bidding process..
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance to the qualified bidders free of charge before commencement of on line bidding on Internet.
3. BHEL will inform all the technically qualified bidders in writing, the detailed procedure of the reverse auction process and the details of service provider in order to prepare them for participating in reverse auction process.
4. Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the compliance form in the prescribed format (provided by service provider) before start of Reverse auction. Without this the vendor will not be eligible to participate in the event.
6. BHEL will provide the calculation sheets e.g. auto formulated EXCEL sheet) for the vendor to enable them to fill-in the price and keep it ready for keying in during the action. In the event of discrepancy in rate and amount against any item of work, the least of the two will be taken for bid price. In case of discrepancy between the total price indicated in price bid and the arithmetic sum arrived based on rate quoted, then also the least of the two will be taken for the bid price. The bids are compared on the total price quoted and NOT on individual ITEM of works.
7. Reverse auction will be conducted on schedule date & time, which will be fixed and informed by the service provider.
8. At the end of reverse auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to fax the duly signed filled-in prescribed format as provided on case-to-case basis to BHEL through service provider within 24 hours of action without fail.
10. Any variation between the on-line bid value and signed document will be considered as sabotaging the tender process and will invite disqualification of bidder as per prevailing procedure.
11. **Opening bid in reverse Auction:** The ‘Opening bid’ (In the reverse Auction) of the bidder shall be ‘same as that quoted in their final sealed price’ submitted to BHEL (along with technical offer). The bidder shall confirm this in writing to BHEL before start of Reverse Auction.

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If any bidders offers unsolicited discount or rebate, in separate cover ect., in any place other than the sealed price bid, then the 'opening price bid' in reverse action, by such a bidder shall be the price offered in final sealed price bid submitted (against this NIT) minus discount offered in any place other than the sealed price bid.

12. BHEL reserves the right to cancel Reverse Auction (RA) without assigning any reasons and resort to considering the sealed bids submitted by vendor for processing and finalizing the tender.
13. In case the process of reverse auction is found unsuccessful by BHEL, then BHEL at its discretion may decide to call the L1 bidder of reverse auction for further negotiation.
14. 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. Hence please quote your best lowest price in first instant itself.
15. Only those vendors, who participate in the Online Initial Opening bid, will be eligible to participate in the subsequent Online English Reverse Auction.
16. Price bids offered by the bidders during reverse auction process are considered as an offer to execute the work. Bids once made by a bidder can not be cancelled / withdrawn and bidders shall be bound to execute the work at the final bid price. BHEL shall take appropriate action if the bidder fails to do so.

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Authorization of representative who will participate in the on line Reverse Action Process:

1	NAME & DESIGNATION OF OFFICAL	
2	POSTAL ADDRESS (COMPLETE)	
3	TELEPHONE NOS. (LAND LINE & MOBILE PHONE	
4	FAX NO	
5	E-MAIL ADDRESS	
6	NAME OF PLACE/ STATE/ COUNTRY, WHERE FROM S/HE WILL PARTICIPATE IN REVERSE AUCTION	

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B) BUSINESS RULES FOR FINALIZATION OF THE PROCUREMENT / WORKS

BHEL shall finalize this tender through reverse auction mode. BHEL has made arrangement with M/s service provider who shall be BHEL's authorized service provider for the same. Please go through the guidelines given below and submit your acceptance for the same along with your Commercial Bid.

1. Computerized reverse auction shall be conducted by BHEL, on pre-specified date, while the bidders shall be quoting from their own offices/ place of their choice. Internet connectivity and other requirements shall have to be ensured by vendors themselves.
2. In extreme case of failure of Internet connectivity, (due to any reason whatsoever may be) it is the bidders responsibility / decision to send fax communication immediately to M/s _____. Furnishing the price the bidder wants to bid online with a request to the service provider to upload the faxed price on line so that the service provider will up load that price on line on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to service provider has to solely ensure that the fax message is received by the service provider in a readable / legible form and also the Bidder should simultaneously check up with service provider about the clear receipt of the price faxed. It shall also be clearly understood that the bidder shall be at liberty to send such fax communications of prices to be up loaded by the service provider only within the closure of Bid time and under no circumstance it shall be allowed beyond the closure of Bid time / reverse auction. It shall also be noted that the service provider should be given a reasonable required time by the bidders, to upload such prices online and if such required time is not available at the disposal of the Service provider at the time of receipt of the fax message from the bidders, the service provider will not be uploading the prices and neither BHEL nor the service provider are responsible for this unforeseen circumstances. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power at the premises of vendors during the Reverse Auction cannot be the cause for not participating in the Reverse Auction. On account of this, the time for the auction cannot be extended and neither BHEL nor the service provider M/s _____ is responsible for such eventualities.
3. M/s _____, shall arrange to train your nominated person (s), without any cost to you. They shall also explain you, all the Rules related to the Reverse Auction / Business Rules Document to be adopted along with bid manual. You are required to give your compliance on it before start of bid process.
4. **Starting Bid/Bid Decrement:** The opening price shall be the lowest price of sealed bids (or as decided by BHEL) and the bid decrement shall be available to the bidders before 05 minutes of the start of the auction and the same shall be displayed on the site.
5. **BIDDING CURRENCY AND UNIT OF MEASUREMENT:** Bidding will be conducted in **Indian Rupees (INR)** of the item. The price bid placed during the "Sealed Bid Auction" as well as " Reverse Auction" shall be the total price for "all items in the Rate Schedules" of the tender (1 Lot). **i.e the total amount quoted for all the schedules along with the applicable service tax amount for the same.**

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6. **BID PRICE:** The Bidder has to quote the Total cost to BHEL for the items specified. (Total cost = Total sum arrived at by adding the amounts against each item of work in the Rate Schedule plus service tax amount for the sum).
7. The technical & commercial terms are as per BHEL Tender No.: **BAP:M&S:TE:EL:12:011:DT:30.07.2012** and Vendor's technical and commercial bid and subsequent correspondences between BHEL and the vendors regarding commercial terms & conditions.
8. **VALIDITY OF BIDS:** The Bid price shall be firm for a period of **90 days** from the date of completion of Reverse Auction (**or as specified in Process compliance form**) and shall not be subjected to any change whatsoever.

However if the final price in reverse auction necessitates further negotiations, BHEL reserves the right to call L-1 bidder in reverse auction for further negotiations as per the regular BHEL standard practice.

9. At the end of the reverse auction, bidder has to provide a detailed break up for his lowest offer. The ratio of **CP (Closing Price)** and originally quoted price in online initial bid shall be applied on all items of the Rate Schedule prices to arrive at the final price break up. Final price break ups have to be submitted in BHEL's excel sheets through service provider.

10. **Procedure of Reverse Auctioning:-**

- i. **Sealed bid Reverse Auction:** The opening bid (in the initial auction), bidders have to enter their bid values in the prescribed online formats (provided by the service provider) which should be same as that quoted in their Final Sealed price submitted to BHEL (along with the Technical Bid) or less. The bidders shall confirm in writing to BHEL that their opening bid shall be same as that quoted in their final sealed price bid submitted to BHEL against Tender Notice No. **BAP:M&S:TE:EL:12:011:DT:30.07.2012** If it is found to be otherwise at a later date, the bidder will be disqualified from the tender.
- ii. **English Reverse (no ties) {Reverse Auction}:** BHEL will declare its **Opening Price (OP)**, which shall be visible to the all vendors during the start of the Reverse Auction. You will be required to start bidding after announcement of 'Opening Price' and 'decrement amount'. Also, please note that the start price of an item in the online reverse auction is open to the entire online reverse auction, from the start price itself. If the start price is your own Online Initial Sealed Bid price, you still need to bid in the online reverse auction. Moreover, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement .The second online bid and onwards will have to be lesser than the L1 rate by one decrement valve, Or lesser than the L1 rate by multiples of the decrement valve.
- iii. Online Initial Sealed Bid auction will be for **30 minutes** and Online English Reverse (no ties) auction shall be for a **period of 60 minutes**. If a bidder places a Bid in the last 10 minutes of Closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another 10 minutes for the entire auction (i.e. for all the **items** in the auction),from the time that bid comes in.

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Please note that the auto-extension will take place only if a bid comes in those last 10 minutes and if that bid gets accepted . If the bid does not accepted, the auto-extension will not take place even if that bid might have come in the last 10 minutes. In case, there is no Bid in the last 10 minutes of closing of Reverse Auction, the Auction shall get closed automatically without any extension. However Vendors are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, Network problems, system crash down, power failure, etc.

- iv. The 'bid decrement' amount shall be specified by BHEL before start of bidding.
 - v. Any commercial loading shall be intimated to bidders in advance and it shall be added to price during dynamic auction process. For evaluation purpose, commercial loading if any, shall be added to the quoted price of respective bidder. However for ordering only the final bid placed by you shall be considered.
 - vi. After the completion of English Reverse (no ties), the **Closing Price (CP)** shall be available. In case, any commercial loading was made to L1 bidder's price, it shall be de-loaded from the closing price of L1 bidder (**CP**) for further processing.
 - vii. **The ratio of CP and originally quoted price in online sealed bid shall be applied on all schedules /elements of price bid to arrive at the final price break up.**
11. Successful vendor shall be required to submit the final prices, quoted during the English Reverse (no ties) exactly in Excel formats 1 & 2 issued by BHEL / Service provider after the completion of Auction to BHEL, duly signed and stamped as token of acceptance without any new condition other than those already agreed to before start of auction.
 12. During English Reverse (no ties), if no bid is received within the specified time, BHEL, at its discretion, may decide to revise Opening price / scrap the reverse auction process / proceed with conventional mode of tendering.
 13. Your bid will be taken as an offer confirming to execute the subject work as per Tender Specification No.: **BAP:M&S:TE:EL:12:011:DT:30.07.2012**. Bids once made by you, cannot be cancelled / withdrawn and you shall be bound to supply as mentioned above at your final bid price. **Should you back out and not supply as per the rates quoted, BHEL shall take action as appropriate.**
 14. You shall be assigned a **Unique User Name & Password** by M/s _____, You are advised to change the Password and edit the information in the Registration Page after the receipt of initial Password from BHEL / M/s _____, to ensure confidentiality. All bids made from the Login ID given to you will be deemed to have been made by your company.
 15. You will be able to view the following on your screen along with the necessary fields in the English Reverse (no ties) {Reverse Auction}:
 - a. Leading Bid in the Auction (only total price)
 - b. Bid Placed by you
 - c. Opening Price.
 16. At the end of the Reverse Auction, BHEL will decide upon the winner. BHEL's decision on award of Contract shall be final and binding on all the Bidders.

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17. BHEL shall be at liberty to cancel the reverse auction process / tender at any time, before ordering, without assigning any reason.
18. BHEL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
19. All other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.
20. You are required to submit your acceptance to the terms / conditions/ modality given above before participating in the reverse auction.

C). TERMS & CONDITIONS OF REVERSE AUCTION:

1. **LOG IN NAME & PASSWORD:** Each Bidder is assigned a Unique User Name & Password by M/s _____, . The Bidders are requested to change the Password and edit the information in the Registration Page after the receipt of initial Password from M/s _____, All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.
2. **BIDS PLACED BY BIDDER:** The bid of the bidder will be taken to be an offer to execute the work. Bids once made by the bidder cannot be cancelled. The bidder is bound to execute the work as mentioned above at the price that they bid. Should any bidder back out and not make the supplies as per the rates quoted, BHEL and / or M/s _____, shall take action as appropriate.
3. **LOWEST BID OF A BIDDER:** In case the bidder submits more than one bid, the lowest bid will be considered as the bidder's final offer to execute the work
4. **AUCTION TYPE:** 1). Sealed bid Reverse Auction
2). English Reverse (No Ties) Auction (refer Bidder Manual for details)
5. **DURATION OF AUCTION:** The duration of English Reverse (No Ties) Auction will be for **60 minutes**. If a bidder places a bid in the **last 10 minutes** of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another 10 minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note that the auto-extension will take place only if a bid comes in those last 10 minutes and if that bid gets accepted. If the bid does not get accepted, the auto-extension will not take place even if that bid might have come in the last 10 minutes. In case, there is no bid in the last 10 minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, vendors are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc. (THIS SCHEDULE IS TENTATIVE. IF ANY CHANGE IN SCHEDULE, THE SAME SHALL BE COMMUNICATED TO YOU)

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6. **BID DECREMENT:** The minimum Bid decrement shall be available to the Bidders at the start of the auction. The bidder can view the same by clicking on the Item details at the start of the auction. The bidder can bid lower than the Lowest Bid in the auction by a decrement, multiple of the minimum Bid decrement or at least of minimum bid decrement plus multiple of Bid Decrement.

Also, please note that the start price of an item in the online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself. If the start price is your own Online Initial Sealed Bid price, you still need to bid in the online reverse auction.

Moreover, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the L1 rate by one decrement value, or lesser than the L1 rate by multiples of the decrement value.

7. **VISIBILITY TO BIDDER:** The Bidder shall be able to view the following on his screen along with the necessary fields during English Reverse –(no ties) Auction:
- a. Leading Bid in the Auction (only total price)
 - b. Bid Placed by you
 - c. Your Own Rank
 - d. Opening Price & Bid Decrement value.
8. **AUCTION WINNER:** At the end of the Reverse Auction, BHEL will evaluate all the bids submitted and will decide upon the winner.
9. **PROXY BIDS:** Proxy bidding feature is a pro-bidder feature to safe guard the bidders's interest of any Internet failure or to avoid last minute rush. The Proxy feature allows Bidders to place an automated bid against other Bidders in an auction and bid without having to enter a new amount each time a competing Bidder submits a new offer.

The bid amount that a Bidder enters is the minimum that the Bidder is willing to offer. Here the software bids on behalf of the bidder.

- The proxy amount is the minimum amount that the Bidder is willing to offer. During the course of bidding, the Bidder cannot delete or change the amount of a Proxy Bid.
- Bids are submitted in decrements (decreasing bid amounts). The application automates proxy bidding by processing proxy bids automatically, according to the decrement that is applicable.
- The auction originator, originally established when creating the auction, submitting offers to the next bid decrement each time a competing Bidder bids, regardless if competing bids are submitted as proxy or standard bids.

GENERAL TERMS & CONDITIONS: Bidders are required to read the “Terms and Conditions” section of the auctions site using the Login Ids and passwords given to them.

SIGNATURE OF THE BIDDER
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10. OTHER TERMS & CONDITIONS:

- The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
- The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
- BHEL's decision on award of Contract shall be final and binding on all the Bidders.
- BHEL along with M/s _____, can decide to extend, reschedule or cancel any Auction. Any changes made by BHEL and / or M/s _____, after the first posting will have to be accepted if the Bidder continues to access the site after that time.
- M/s _____, shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
- M/s _____, is not responsible for any damages, including damages that result from, but are not limited to negligence.
- M/s _____, will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

N.B.

- All the Bidders are required to submit the Agreement Form / Process compliance Form **(ANNEXURE II)** duly signed to M/s _____, before due date (xx.xx.2012) After the receipt of the Process compliance Form, Log in ID & Password shall be allotted to the bidders.
- After the completion of the Auction event, all the Bidders have to submit the Price Breakup immediately exactly as per excel working sheet 1 & 2 issued by BHEL/service provider to M/s _____, for further proceedings, within 24 hours of completion of the Reverse Auction.

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

ANNEXURE- II (sample form)

Process Compliance Form

(The bidders are required to print this on their company's letter head and sign, stamp before faxing)

To

M/s _____,"
XXXXX , XXXX
XXXX

Auction website: [https// xxxxx.com](https://xxxxx.com)

Sub: Agreement to the Process related Terms and Conditions for the Reverse Auction

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the Tender document for **Electrification of R1 Bay Extension" at BHEL/Ranipet -6** against BHEL Tender No. **BAP:M&S:TE:EL:12:011:DT:30.07.2012** This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms, Excel working sheets issued by M/s BHEL / M/s _____ and the Business rules governing the Reverse Auction as mentioned in your letter and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We also confirm that we will fax the price confirmation & break up of our quoted price as per template Excel working sheets issued by M/s BHEL / M/s _____.
- 5) We confirm that **rates are valid till 90 days from the date of completion of Reverse Auction.**

We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards

Signature with company seal

Name –

Company / Organization –

Designation within Company / Organization –

Address of Company / Organization –

- Sign this document and Fax at +91 xxx xxxxx
- Attach a signed copy of the RFQ document along with the Agreement Form & send to
- _____ . **Com**

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

Annexure III (sample form)
(Price Confirmation)

(The bidders are required to print this on their company's letter head and sign, stamp before faxing)

To,

M/s _____
XXXXXX
XXXXXXXXXX
XXXXXX,
XXXXXX.

Sub: Final price quoted during reverse auction and price break up

Ref: 1. BHEL Tender Enq. No. **(BAP:M&S:TE:EL:12:011:DT:30.07.2012.)**
2. Reverse Auction dt.
3. Our Offer No. dt.

Dear Sir,

We confirm that we have quoted against the **Tender Enq. No. AP:M&S:TE:EL:12:011:DT:30.07.2012** as detailed below

As our final prices during the Reverse Auction conducted **on xx.xx.2012.**

Thanking you and looking forward to the valuable order from BHEL.

Yours sincerely,

For _____

Name:
Company:
Date:
Seal:

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

QUESTIONNAIRE

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

Sl.No.	Description	Yes	No
01	Whether the bidder has understood the scope of work and agrees to deploy required man power.		
02	Whether the bidder has agreed to all Terms & Conditions given in the tender.		
03	Whether the bidder has their own code for ESI & PF. (A copy of the certificate to be enclosed).		
04	Whether the bidder has enclosed copy of the present Service / Sales / Works contract sales Tax registration certificates. If a vendor is exempted from the registration under Service / Sales Tax, the reason there of be stated.		
05	Whether the vendor / Contractor is availing service Tax credit / VAT Credit for their inputs.		
06	Whether the vendor will submit Service Tax invoice as per the existing ACT and the rules their under.		
07	Whether the bidder agrees to Pay Wages as per Minimum wages Act, EL Wages, Holiday Wages as per Tamil Nadu Factory rules. (Necessary proof should be submitted while claiming running bill and final bill.)		
08	Whether the PAN Number of the bidder is furnished. If exempted from IT, the exemption certificate shall be enclosed.		
09	Whether the bidder agrees to keep the validity of their offer for three months from the date of opening of price bid and keep the prices firm throughout the contract period.		
10	Whether the bidder agrees for the payment terms of BHEL.		
11	Whether the bidder has agreed to submit EMD of Rs.40,000/- and has submitted the same along with technical bid. (If not enclosed the tender will not be considered).		
12	Whether the bidder has agreed to submit 50 % Security Deposit before commencement of the work..		
13	Whether the Bidder has enclosed the list of their clients with addresses & contact persons.		
14	Whether the bidder accepts reverse auctioning process through internet		
15	Whether the Bidder 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 bidder with Banker's signature.(submission of e-fund transfer format is not mandatory for submission of bids).		
18	Whether the bidder has visited the factory and ascertained the working conditions?		

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

CERIFICATE OF NO DEVIATION

I / We of M/s

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

Date:

Signature of the Bidder

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

BRIEF SCOPE OF WORK & SPECIAL CONDITIONS

Description of site:

BHEL Ranipet is executing extension of R1 Bay(rolling bay) inside the factory.

1. The electrical work shall be carried out as per the instructions of BHEL engineer. BHEL engineer's decision regarding the correctness of the work and method of working shall be final and binding on the contractor.
2. The floor of the R1 bay Extension Building will have different slopes up to a maximum height of 1.5 Mtr and 1.5 mtr Depth pit
3. The maximum height of the roof of the R1 bay Extension Building is 14.5 meters from the ground level.
4. Cable markings are to be provided by the contractor for all under ground cables laid by the contractor.
5. Construction power will be provided at one point. Contractor has to bring required extension switch boxes with wire for using the power for drilling cutting etc.
6. The contractor has to prepare necessary lay out drawings/ as built cable routing drawings and submit to BHEL for records.
7. Tentative time schedule for execution of the work: From Sep,2012- Nov-2012 (3 months).
8. The contractor has to mobilize required men and materials to complete the work as per requirement of the BHEL to compress the time period if required..
9. BHEL reserves the right for extending the contract period .

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

GENERAL CONDITIONS OF CONTRACT

1. DEFINITION

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

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

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2. HEADING TO THE CONTRACT CONDITIONS

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

3. WORK TO BE CARRIED OUT

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

4. DEVIATIONS

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

5. PLANT AND EQUIPMENT

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

6. ASSIGNMENT OF TRANSFER OF CONTRACT

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

7. SUB-CONTRACT

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

8 COMPLIANCE TO REGULATIONS AND BY-LAWS

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

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

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

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

9. SECURITY DEPOSIT

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

Upto Rs.10 Lakhs: 10%

Above Rs.10 lakhs up to Rs.50 Lakhs: 1 Lakh + 7.5% of the amount exceeding Rs.10 Lakhs

Above Rs.50 Lakhs : Rs.4 Lakhs + 5% of the amount exceeding Rs.50 Lakhs

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

- b) Security Deposit may be furnished in any one of the following forms:

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

Note:

Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to Hypothecation or endorsement on the documents in favour BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith. The Earnest Money paid at the time of tender will be adjusted as part of the Security Deposit and the balance amount will be recovered by deduction from the running bills of the contractor at the rates mentioned above.

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

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

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

10. ORDERS UNDER THE CONTRACT

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

11. CONTRACTOR'S SUPERVISION

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

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

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

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

12. PRECAUTIONS AGAINST RISK

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

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

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

14. LAWS GOVERNING THE CONTRACT

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

15. CANCELLATION / TERMINATION CONDITIONS

a) CANCELLATION OF CONTRACT FOR CORRUPT ACTS

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

If the Contractor shall

i) Offer or give or agree to give to any person in BHEL service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for borne to do any act, in relation to the obtaining or execution of this or any other contract for BHEL service,

OR

ii) Enter in to a contract with BHEL in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to BHEL.

OR

iii) Obtain a contract with BHEL as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to BHEL.

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

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

If the Contractor,

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

OR

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

OR

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

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

If the Contractor

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

SIGNATURE OF THE BIDDER
WITH SEAL AND ADDRESS

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

d) TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR

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

e) SPECIAL POWER TO TERMINATION

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

16. SUBMISSION OF BILLS BY CONTRACTOR

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

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

SIGNATURE OF THE BIDDER
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17. PAYMENT TERMS.

- 1) 90 % of the scheduled rates shall be paid after completion of erection/wiring.
- 2) Further 5% for the above schedules will be paid after testing and commissioning of individual schedule items.
- 3) Final 5% for the above schedules shall be paid after the guarantee period of 6 months from the date of commissioning/energizing or against submission of BG valid for 6 months.

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

17. a) Guarantee Period

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

18. RECOVERY FROM CONTRACTOR

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

19. POST- TECHNICAL AUDIT OF WORK AND BILLS

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

20. REFUND OF SECURITY DEPOSIT

The Security Deposit mentioned in condition 09 above may be refunded to the Contractor after completion of the work against submission of "NO DEMAND CERTIFICATE".

21. FORCE MEJEURE CLAUSE

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

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22. ARBITRATION & JURISDICTION

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

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

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

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

23. SIGNING OF CONTRACT

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

- 24.** All statutory requirements under Minimum Wages Act 1948, Factories Act 1948, Workmen Compensation Act 1923, Employees Provident Fund and Miscellaneous Provisions Act, 1952, Payment of Gratuity Act 1972, Employee State Insurance Act 1948, Contract Labour (R&A) Act 1970, Payment of Bonus Act 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the Contractor.
- 25.** Contractor shall comply with all statutory requirements, rules, regulations and notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- 26.** Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- 27.** Contractor wherever applicable shall maintain proper records prescribed by the concerned statutory authorities and provides a copy of the same to BHEL.
- 28.** The Contractor should follow all the provisions of Labour Legislation and Statutory obligations. Provisions as and when amended will also apply.

SIGNATURE OF THE BIDDER
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SPECIAL INSTRUCTIONS TO BIDDRES

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

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

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

3. Tenders will be received up to 14.30 hrs. on 21.08.2012 in the prescribed form and will be opened on 21.08.2012 at 14.30 hrs onwards at M&S Office Conference Hall in the presence of such of those Bidders or their agents who may choose to attend.
4. All entries in the tender documents should be in one ink. Over-writing and corrections should be avoided. The Bidders concerned should duly sign for all corrections and over-writings.
5. Bidder should sign and seal each and every page of the tender document including the drawings/annexure attached thereto before submitting the tender.
6. Conditional tenders and un witnessed tenders, tender containing absurd rates and amounts, tenders, which are incomplete or otherwise, considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable for rejection.
7. Tenders not submitted in the prescribed forms are liable for rejection.
8. In quoting the rates, the Bidders are advised to take into account all factors including any fluctuations in the market rates etc. No claim will be entertained on this account after acceptance of the tender or during the currency of the contract.
9. Before tendering, the Bidders are advised to inspect the site of work and its environments and be well acquainted with actual working and other prevalent conditions, position of materials and labor. General instructions to Bidders drawings, specifications and other documents also form part of the agreement to be entered into.
10. The rates quoted in the tender shall remain valid for a period of **THREE MONTHS** from the date of opening of the price bid.
11. In the event of tender being submitted by a firm, the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the Power of Attorney on behalf of the firm concerned. In the latter case, a copy of the Power of Attorney duly attested by a Gazette Officer must accompany the tender.
12. **Every Tender must be accompanied by 'Earnest Money Deposit' of Rs.40,000/- (Rupees Forty thousand only) in the form of Demand Draft drawn from any Nationalized bank, in favor of 'Manager / Finance, BHEL, Ranipet' payable at SBI, Mukundarayapuram Branch (Code : 7013). EMD will not carry any Interest.**

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WITH SEAL AND ADDRESS

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

17. Rates quoted SHALL INCLUDE ALL royalties, terminal taxes, octrai, duties, central and provincial excise tax, sales tax / VAT and other taxes levied under the State or Central Government Rules excluding applicable service tax for this work.

18. Service Tax at applicable percentage shall be quoted by bidders. The Electrification of R1 Bay Extension work and execution of the same amounts to Woks Contract. Before quoting Service Tax percentage, bidders should be familiar with Service Tax (Determination of Value) Rules,2006 as amended. In case Service Tax quoted as per Rule 2A(ii) (A) of Service Tax (Determination of Value) Rules,2006 as amended, Accordingly, the works contract service tax works out to 4.944% (40 % of contract value is only taxable) on the Total Value . BHEL will reimburse the service tax to the contractor, subject to service tax invoice as per Law.

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

20. The Bidder shall not include Service Tax in their quoted rates and to indicate applicable rate of service tax separately at the appropriate place on the price bid..

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

21. 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.**

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22. If the bidder find discrepancies or omissions in the tender documents or should be in doubt as to their meaning, he should at once address the authority inviting the tender for clarification. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful Bidder shall take up on himself to provide for the risk of any error which may be subsequently discovered and shall make no subsequent claim on account thereof.
23. 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.
24. Quantities shown in the attached schedules are only approximate and liable to change without entitling the contractor for any compensation.
25. Should a Bidder or a contractor has a relative or in the case of a firm or company of contractors any of its shareholders or share holder's relative, employed in Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender failing which tender may be disqualified or if such fact subsequently come to light, the contract may be rescinded.
26. If the Bidder expires after submission of his tender, the Bharat Heavy Electricals Limited may be at the discretion of cancel such tender.
27. 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.
28. The Bharat Heavy Electricals Limited will not bound by any Power of Attorney granted by the Bidder or changes in the composition of the firm made subsequent to the execution of the contract. They may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contract concerned.
29. 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.
30. Words imparting the singular number shall also deem to include the plural number and vice versa where the context so requires.
31. The expenses for completing and stamping the agreement shall be to the contractor's account.
32. 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.
33. Bidders shall not increase their quoted rates incase Bharat Heavy Electricals Limited negotiated for reduction of rates, such negotiations shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted shall be binding on the Bidders for a period of Three months from the date of opening of tender.

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34. 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.
35. 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.
36. The " GENERAL CONDITIONS OF CONTRACT and SPECIAL INSTRUCTIONS TO BIDDERS" shall be deemed to form an integral part of contract for the work to be entered into.
- 37. 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.
38. 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.

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39. 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.
40. 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.
41. 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.
42. 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.
43. 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) within 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.
44. Compliance of the above provisions does not absolve the obligation of contractor arising out of other statutory obligations.
45. Employment of child labour is strictly prohibited.
46. Contractor should employ only persons having sound health and not above the age of 58 years, and not below the age of 18 years.

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47. 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.
48. The Bidder should be present if called for negotiation both technical and commercial. In case, the Bidder's authorized person is attending the negotiation such person should have the authorization letter and he should be capable of taking spot decisions.
49. In case the Bidder is not interested in submitting your quotation, they should return all the tender papers with a covering letter stating that your regrets for not submitting your offer for this tender.
50. If required bidders may visit the site/working area and obtain all clarifications from Tender Issuing Officer regarding the nature of job before offering their quotation.
51. The bidder shall clearly indicate all the applicable Taxes in the Price Bid and also shall state clearly whether these taxes are inclusive or exclusive of the Basic rate quoted. If any tender does not indicate applicable taxes, BHEL will assume, price quoted is inclusive of all Taxes and Tender will be evaluated accordingly.
52. The contractor should have registered for Service Tax and a copy of registration certificate shall be attached along with the offer.
53. The contractor shall indicate all the applicable taxes in the offer and any claim after the issue of contract will not be entertained.
54. In case if any Taxes not applicable, like due to threshold limit etc. Same may be clearly indicated in the offer by the Bidder.
55. If the total value of work is calculated erroneously, L1 will be decided based on the rate quoted against each schedule and adding all the items there on. Any calculation error will be corrected at actual.
56. If any discrepancy between figures and words, L1 will be decided based on words.

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QUALIFICATION REQUIREMENTS (QR) :

Name of work: Electrification of R1 Bay Extension

Tender Notice No: BAP:M&S:TE:EL:12:011:DT:30.07.2012

S.No	Description	Details (To be filled by the Contractor)
1	Average annual financial turnover of the Contractor during the last 3 years ending on 31st March 2012, should be at least 3.97 lakhs. and the bidder should submit audited balance sheet and Profit & Loss Account for the last three years (2008 – 09, 2009 – 10 & 2010-11), duly certified by chartered accountant / auditor.	2008 – 09:
		2009 – 10:
		2010 – 11:
2	Contractors having experience of successfully completed similar works (ref. Note 1 below) during the last 7 years as on 30.06.2012 should be either of the following.	
2. a	Three similar completed works each costing not less than the amount equal to Rs.5.29 Lakhs.	Client : Name of work : Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:
		Client: Name of work: Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:
		Client: Name of work: Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:

OR

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2.b	Two similar completed works each costing not less than the amount equal to Rs.6.61 Lakhs.	Client: Name of work: Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:
		Client: Name of work: Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:

OR

2.c	One similar completed work costing not less than the amount equal to Rs.10.58 Lakhs.	Client: Name of work: Value of Wok : Rs. Completion Certificate issued by : Date of completion of work:
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3. 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.

Note 1 : 'Similar Works' mentioned in SI.No-2 above shall mean successfully executed "electrical works such as cable laying, wiring work, erection of electrical panels, distribution boxes, light fittings etc. in manufacturing / process industries/ Govt. offices/public buildings/private industries.

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

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

Documents required for proof of QR:

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

- 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.
- Bidder has to submit a copy of registration of PAN No.
- Copy of Service Tax Registration certificate.
- Copy of PF & ESI registration No (if available)
- Copy of authorization letter / power of attorney of the authorized signatory of the tender document (only in case of owner of the firm is different from authorized signatory).

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SPECIAL INSTRUCTIONS

- 1 Fuse switches / switch fuses shall be of any one of the following make only Gec Alstom, L&T, GEC
- 2 The DP switches, SP Switches, plugs and sockets shall be of standard make agreeable to Engineer in charge and should have been certified by ISI.
- 3 All materials supplied by the contractor should conform to the relevant IS / BS specification.
- 4 Single core, Single / Multi strand cables shall be of ISI approved make only, The armored cable shall be of ISI approved make only, Test Certificate of cables are to be submitted.
- 5 The wiring shall conform to IS 732 or any other relevant INDIAN STANDARD SPECIFICATION and INDIAN ELECTRICITY RULES. The installation shall also conform to the regulation for the electrical equipments of building laid down by Insurance Association of India (FIRE SECTION).
- 6 In case of PVC / steel conduit wiring the switches, plug sockets, regulators and other controls should be mounted on metal boxes. These boxes as well as metal boxes used for street light controls should be fabricated as per IS:5133 (part – 1 1969)
- 7 Final lay out, as well as Electrical drawings etc, should be submitted in advance for BHEL's approval.
- 8 Preparation of Electrical drawings, submitting the same to CEA / Local TNEB authorities to obtain EB Service connection etc, are under the contractor's scope.
- 9 The contractor should be present at the time of inspection of the installation by the Electrical Inspector. Any defect pointed out by the Electrical Inspector in the equipments (or) installations supplied by the contractor should be immediately rectified by the contractor free of cost.
- 10 The 'Completion Report' should be submitted as per Appendix-F of IS 732.

11 Recommended makes of different accessories:

	Name of accessory	Recommended make
01	Luminaries	Philips, GEC, Crompton, Bajaj, Havells
02	Ceiling fans	Orient, Crompton, Usha, Khaitan, Havells, Almonard
03	Switches / Sockets	Anchor, Kundan, Record with FAN/LIGHT marking
04	ICDP / ICTPN Switches	Bosma, Standard, GEM, GE, Raj
05	MCBs /	MDS Loadster, legrand, L&T, Hager, Siemens
06	Rotary switches	Salzer, Kaycee, Siemens, L&T,
07	Metal Clad sockets	Sakthi Crown, B&C/Crompton, BCH
08	Single core cable	ISI approved make only
09	Armored cable	ISI approved make only
10	Fuse Distribution Boards	Bosma, Raj, GE, GEM, Standard
11	Exhaust fans	Orient, Crompton, Usha, Khaitan, Havells, Almonard
12	Combination Fuse Switches	GEC Alstom make
13	Metal Clad Sockets	Best & Crompton, Sakthi Crown

12

PANELS:

Cubicle / Industrial type panel boards should be manufactured by any of the reputed manufacturers who have sufficient experience in the manufacturing of Electrical panel boards.

All sheet steel used in the manufacture of Main Panel boards should not be less than 2 mm thick Ms sheet metal. The Main Panel board has to be approved by BHEL before dispatch to the work spot.

For all sheet metal fabrication, pre treatment of all metal with acid and rust preventing chemicals has to be carried. Two coats of red oxide and one coat of recommended color paint has to be applied by spray painting.

TENDER DOCUMENT

TENDER NOTICE NO: BAP:M&S:TE:EL:12:011:DT:30.07.2012

Name of work	Electrification of R1 Bay Extension
Period of Contract	Three months

Issued to M/s. :

PART – II – PRICE BID
(Pages: 40 - 45)



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

ISSUING OFFICER

BILL OF MATERIAL		PRICE BID			
NAME OF WORK: ELECTRIFICATION OF R1 BAY EXTENSION					
PERIOD OF CONTRACT: THREE MONTHS					
Tender Notice No: BAP:M&S:TE:EL:12:011:DT:30.07.2012					
SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
1	Supply and Fixing of MCB Distribution board with 1 No of 63A TPN MCB as incomer with 3Nos of 32A DP MCBs and 18Nos of 16A SP MCBs as out going within suitable MS Box, with necessary bus bars, Neutral links and interconnections arrangements – on the wall concealed / open and covered with suitable Ms sheet cover / Perspex sheet cover and necessary fixtures etc., (make: GE / Siemens / MDS / Legrand / Havells or Equivalent).With one number of 24 hours digital timer, 240V, AC, 1NO+1NC, Frontier make or equivalent and a 40A, 4 pole, coil voltage-240V, AC, size-NHD, BCH make or equivalent contactor shall be supplied and provided inside the MCB DB to control the lighting circuits with necessary wiring. Locations: a. Column no:N32 b. Column no: N34	Nos	2		
2	Supply and fixing of MCB Distribution board with 1 No of 32A TPN MCB as incomer with 3Nos of 16A DP MCBs and 18Nos of 10A SP MCBs as out going within suitable MS Box, with necessary bus bars, Neutral links and interconnections arrangements – on the wall concealed / open and covered with suitable Ms sheet cover / Perspex sheet cover and necessary fixtures etc., (make: GE/Siemens/MDS/ Legrand/Havells or Equivalent) Locations: a. 2nos of 65w fit./Rowx5nos of Rows-5ways-UPS Supply. at N33	Nos	1		
3	Supply and fixing of MCB Distribution board with 1 No of 32A TPN MCB as incomer with 6Nos of 16A TP MCBs as out going within suitable MS Box, with necessary bus bars, Neutral links and interconnections arrangements – on the wall concealed / open and covered with suitable Ms sheet cover / Perspex sheet cover and necessary fixtures etc., (make: GE / Siemens/ MDS / Legrand / Havells or Equivalent) Locations: a. For Man coolers at N32	Nos	1		

SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
4	<p>Supply and fixing of MCB Distribution board with 1 No of 16A TPN MCB as incomer with 6Nos of 10A DP MCBs as out going within suitable MS Box, with necessary bus bars, Neutral links and interconnections arrangements – on the wall concealed / open and covered with suitable Ms sheet cover / Perspex sheet cover and necessary fixtures etc., (make: GE / Siemens / MDS / Legrand / Havells or Equivalent)</p> <p>Locations: a. For Ex.Fans at S34</p>	Nos	1		
5	<p>Supply and Fixing of 200W, 230V, 50Hz, AC high bay Induction lamp fitting with glass (make: RAESP / Bajaj / GE / Philips or Equivalent): Fabrication and Supply of various length of MS suspending rods of 10mm(dia) (1)330 mm length – 10Nos, (2) 870mm length-10 Nos, (3)1230mm length-5 Nos, and Clamping arrangements using 25 x 5 mm MS Flat suitably bent, with necessary fixtures, fasteners etc.</p> <p>Assembling and suspending the 200W Induction light fitting under the roof, along with the above fabricated clamp by using 10mm dia MS down rod. Supply and fixing of adequate length of 6 mm Diameter metallic chain together with a small D-shackle at one end, between light fitting & roof truss to secure the light fitting from falling.</p> <p>Important Note: A. The contractor shall ensure uniform level of Hi-bay light fittings by suitably and accurately fabricating various uniform length of suspension assembly using 25 x 5 mm MS Flat clamp and MS down rod of 10 mm dia. B. All the Ms Flat clamps, MS down rods and metallic chains shall be thoroughly cleaned and one coat of red Oxide and two coats of Grey color painting shall be done.</p>	Nos	25		
6	<p>Supply and Fixing of 65W, 230V, 50Hz, AC high bay Compact fluorescent lamp fitting with glass (make: RAESP / Bajaj / GE / Philips or Equivalent): Fabrication and Supply of various length of MS suspending rods of 10mm(dia) (1) 780 mm length – 10Nos, , and Clamping arrangements using 25 x 5 mm MS Flat suitably bent, with necessary fixtures, fasteners etc.</p> <p>Assembling and suspending the 65 W CFL High bay light fitting under the roof, along with the above fabricated clamp and MS down rod of 10 mm dia. Supply and fixing of adequate length of 6 mm Diameter metallic chain together with a small D-shackle at one end, between light fitting & roof truss to secure the light fitting from falling.</p>	Nos	10		

SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
	<p>Important Note:</p> <p>A. The contractor shall ensure uniform level of emergency light fittings by suitably and accurately fabricating various uniform length of suspension assembly using 25 x 5 mm MS Flat clamp and MS down rod of 10 mm dia...</p> <p>B. All the Ms Flat clamps, MS down rods and metallic chains shall be thoroughly cleaned and one coat of red Oxide and two coats of Grey color painting shall be done.</p>				
7	<p>Supply and Wiring with 2.5 sq.mm multi stranded , PVC, Flexible copper wire in the medium quality, 1.5 mm thick Metal Conduit pipe of 20 mm dia (Reputed make) with continuous running of 2.5 sq.mm multi stranded, PVC, copper conductor, flexible, Green color wire as earthing- for Roof lights.(Max 800W/circuit).</p> <p>One running meter of wiring consist of 1m Metal Conduit + 1 run of 1m 2.5 sq.mm multi stranded copper conductor, flexible, Green color wire + 2 runs of 1m long 2.5 Sq mm , flexible, copper wire & with suitable clamping arrangement over the metal conduit on wall / column / roof truss etc with necessary accessories..</p> <p>(One MCB shall control two roof light fittings).All the light fittings are to be connected through metallic flexible hose from the <u>Metallic ceiling rose</u> with 10A Terminal block. Necessary materials like Metal conduit, earth wire, accessories, clamps, fasteners, Junction Boxes, ceiling rose, etc., required for the wiring are to be supplied by the contractor.</p> <p>Important Note:</p> <p>A. No wire joint shall be made between MCB and Light fitting.</p> <p>B. Color Coding R, Y, B, Black and Green shall be maintained.</p> <p>C. Clamping shall be done atleast once in 1000mm of length.</p> <p>D. Necessary tools, aluminium ladder, safety ropes, safety goggles, etc shall be brought by the contractor and used to do the wiring work.</p> <p>E. All the wires used shall be of ISI Approved.</p> <p>F. Metallic Flexible hose shall be used wherever necessary.</p> <p>Locations:</p> <p>a. For 200w IND-25nos +65w CFL-10 nos = 1,110m</p> <p>b. For Ex.Fans-60m</p> <p>c. For 150 w Induction lamp=130m</p>	Mtrs	1300		

SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
8	<p>Supply and Wiring with double runs of 2.5 sq.mm, multi stranded, PVC, flexible copper wire in the medium quality, 1.5 mm thick Metal Conduit pipe of 20 mm dia (Reputed make) with continuous running of 2.5 sq.mm multi stranded copper conductor, flexible, Green color, double wire for double earthing- of Man cooler..</p> <p>One running meter of wiring consist of 1m Metal Conduit + 3 runs of 1m 2.5 sq.mm multi stranded , PVC, copper wire , flexible, RYB color wire + 2 runs of 1m long ,2.5 Sq mm, flexible, Green color, PVC, copper wire & with suitable clamping arrangement over the metal conduit on wall / column / roof truss etc with necessary accessories.</p> <p>All the Man coolers are to be connected through metallic pipe from the DOL Starter.. Necessary materials like Metal conduit, accessories, clamps, fasteners, ceiling rose ,etc., required for the wiring are to be supplied by the contractor.</p> <p>Important Note:</p> <p>A. Color Coding R, Y, B, Black and Green shall be maintained.</p> <p>B. Clamping shall be done atleast once in 1000mm of length.</p> <p>C. Necessary tools, aluminium ladder, safety ropes, safety goggles, etc shall be brought by the contractor and used to do the wiring work.</p> <p>D. All the wires used shall be of ISI Approved.</p> <p>E. Metallic Flexible hose shall be used wherever necessary.</p> <p>Locations:</p> <p>a. Column Nos: N31, 32, 33, 34</p>	Mtrs	55		
9	<p>Supply and Laying of single run of 4core x 10 sqmm PVC Ar.Al. cable on Purlins / Wall / column with necessary clamps and fixtures.</p> <p>Cable Clamping shall be done atleast once in 600mm.</p> <p>Locations</p> <p>a. From N11-N12 To N34(MP 15A to LDB)- 103.5m</p> <p>b. From N8 To N33 (UPS DB TO UPS LDB)- 78m</p> <p>c. From N11-N12 To N32(MP 15A to LDB)- 118.5</p>	Mtrs	300		

SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
10	Supply and Laying of single run of 4core x 4 sqmm PVC Ar.Al. cable on Purlins / Wall / column with necessary clamps and fixtures. . Cable Clamping shall be done atleast once in 600mm Locations a. From N4 To N32(PDB1 to Man cooler MCB DB) - 55m b. From S4 To S34(PDB20 to Ex.Fan MCB DB) - 50m	Mtrs	105		
11	Supply & Making end termination for 4core x 10 sqmm Ar.Al. Conductor PVC cable including supply of suitable size cable gland, PIN / PALM type Aluminium sockets, gland earthing material ,etc.,	Nos	4		
12	Supply & Making end termination for 4core x 4sqmm Ar.Al. Conductor PVC cable including supply of suitable size cable gland, PIN / PALM type Aluminium sockets, gland earthing material ,etc.,	Nos	4		
13	Supply and Laying of 8 SWG G.I wire for earthing the MCB DBS. On Purlins / Wall / column with necessary clamps and fixtures. Locations: a.N2 Earth flat to N (east)34 MCB LDB=29m x 2 =58m b. N(east)34 MCB LDB to N33 (West)UPS MCB L DB=17mx2=34m c. N33 (West)UPS MCB L DB to N32Man cooler MCB DB=17mx2=34m d.S1 to S34-m PDB20 ToS34 MCB DB=26mx2=52m e. N (east) 32 MCB LDB to N32 (West) MCB DB Man cooler=6mx2=12m.	Nos	190		
14	Supply and Fixing of 600 mm sweep, 415V, 3Phase, 50Hz, 550W, Wall / Column mounting type Man cooler (Make: Almonard / khaitan OR Equivalent) with... A.) Supply and Fixing of 10A, 415V, AC TP MCB (Make: GE or Equivalent) with suitable MS Box on steel column with necessary fixtures B.) Supply and Fixing of DOL Starter (Make: BCH / Siemens or Equivalent), with O.L.R. (Range: 1.07 to 1.7A) and Contactor(AC3 duty-10A,415V,AC) on steel column with necessary fixtures. Connecting Man Cooler, DOL Starter and TP MCB with the wiring and ensuring proper working of man coolers. Locations: a. Column N 31,N32,N33,N34	Set	4		
15	Supply and Fixing of 450 mm sweep, 230V, Single phase, 50Hz, AC, 360W, 1400RPM Heavy duty Exhaust fan (Make: Almonard / khaitan OR Equivalent)on wall / Column with necessary fixtures. Proper working of Exhaust fan shall be ensured. Locations: a. Between S31 and S32 ,S32 and S33, S33 and S34 Columns.	Nos	3		

SL . NO	DESCRIPTION	UNIT	QTY (A)	RATE (B)	AMOUNT (A X B)
16	Supply and Fixing of 150 W, 230 V, 50Hz, AC Induction lamp fitting with lamp, (make: Philips / Havells / LVD / RAESP or Equivalent) with suitable MS pipe bracket on Wall / Column with necessary fixtures. Suitable MS pipe bracket (Min 900mm Length, B class) Shall also be supplied to fix the lamp fitting. Locations: a. Column N30,N31,S30,S31,S34,S1	Nos	6		
17	TOTAL AMOUNT (1 to 16) In Rs.				
18	SERVICE TAX @ _____ % In Rs.				
GRAND TOTAL AMOUNT (17 + 18) In Rs.					

Note

1	There is no Free issue of materials involved in this Work from BHEL except supply water & electricity.
2	Service Tax at applicable percentage shall be quoted by bidders. The Electrification of R1 Bay Extension work and execution of the same amounts to Woks Contract. Before quoting Service Tax percentage, bidders should be familiar with Service Tax (Determination of Value) Rules,2006 as amended. In case Service Tax quoted as per Rule 2A(ii) (A) of Service Tax (Determination of Value) Rules,2006 as amended, Accordingly, the works contract service tax works out to 4.944% (40 % of normal rates) on the Total Value .
3	The Service tax will be reimbursable in line with the Notification No.15/2012 - Service Tax dated 17-03-2012 (Item No. 9 of the Table attached to the said Notification)
4	In case Service Tax % or Service tax amount is not mentioned, it is presumed that service tax at normal rate i.e.. 12.36% on 40 % of the total amount.
5	If any discrepancy between figures & words, L1 will decided based on amount in words.