

BHARAT HEAVY ELECTRICALS LIMITED
BHEL TOWNSHIP, SECTOR-17, NOIDA- 201301



TENDER DOCUMENT

FOR

**RENOVATION WORK FOR CRECHE FACILITY AT BHEL
TOWNSHIP, SECTOR-17, NOIDA**

NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18

Dated: 16.11.2017

CONTENTS

- 1- Notice Inviting Open Tender
- 2- Techno commercial Bid – Part A
- 3- Price Bid - Part B

LAST DATE FOR SUBMISSION: 06.12.2017 AT 15:00 Hrs.

(Signature & seal of the contractor)


Ujjwal Tomar
वरि. अभियंता (मा. सं.-टीएएक्स)
Ujjwal Tomar
Sr. Engineer (HR-TAX)
भारत हेवी इलेक्ट्रिकल्स लि. संपदा कार्यालय, सेक्टर-17, नोएडा
Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Ltd.

सम्पदा कार्यालय, सेक्टर -17, नोएडा – 201301 (यू.पी.), भारत
BHEL Township: Estate Office, Sector-17, Noida-201 301 (UP) INDIA
फोन (का.)/ Tel: 0120-3070961, 962

NOTICE FOR INVITING OPEN TENDER

Sealed tenders are invited in two parts bids for the following Work in BHEL Township, Sector-17, Noida.

Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT BHEL TOWNSHIP, SECTOR-17, NOIDA**

NIT No. : **NIT No. 32:AA:NOI:ADMN.:CRECHE:112:2017-18**
Dated: 16.11.2017

Period of Contract : Five Months from the date of placement of order.

Earnest Money : Rs 14,600.00

Tender Cost : Nil

DATE OF SUBMISSION & OPENING OF TENDER

Last date for submission of sealed tender at : **06/12/2017 at 1500 Hrs.**
Estate Office, BHEL Township, Sector-17, Noida

Date of opening the tender : **06/12/2017 at 1600 Hrs.**

Venue for opening of Tender : **Estate Office, BHEL Township Sector-17, Noida**

The Tender Document may be obtained from the office of Sr. Engineer (HR-TAX), Estate office, Sector-17, Noida free of cost or may be downloaded from BHEL web site (www.bhel.com) or from CPP portal (<http://eprocure.gov.in>). The sealed tender may be sent either by registered post/ Speed Post/ Courier Services or by hand in the office of Sr. Engineer (HR-TAX), between 9.00 AM to 5.30 PM on any working day latest by 06.12.2017 at 3:00 PM. In case of any clarification the bidder can contact undersigned on Telephone No.-0120-3070961 or at e-mail: ujjwal@bhel.in.

(Ujjwal Tomar)

Sr. Engineer (HR-TAX)

On behalf of "BHEL"

(Signature & seal of the contractor)


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Sr. Engineer (HR-TAX)
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PART 'A' – TECHNO- COMMERCIAL BID

A. INSTRUCTIONS FOR THE BIDDERS:

1. The offer shall be submitted as per the instructions of tender document. Only one set of tender document duly signed & stamped on each page shall be submitted as detailed further. Tenderer should note specifically that all pages of tender document, including the NIT page for this particular tender shall be submitted by them (after signing/ stamping on each page) as a part of their offer. Price shall not be mentioned by them anywhere in the techno-commercial portion of offer, except in the relevant price bid and submitted in separate sealed envelope. In case of any clarification, bidder may contact this office.
2. Tender documents are also available on BHEL web site (www.bhel.com) & on CPP Portal (<http://eprocure.gov.in/cppp/>) which can be downloaded and used as tender document for submitting the bid.
3. All documents submitted by the Tenderer in his tender may be accompanied with a covering letter giving index interlinking all the documents.
4. No overwriting / correction in tender documents by tenderer shall be allowed. However if correction is unavoidable, the same must be signed.
5. Tender must be submitted in two parts, i.e., (i) Techno-Commercial Bid along with un-price bid (Annexure-E-1) and (ii) Price Bid. The tenderer must submit their tenders in three separate sealed envelopes prominently super scribed as 'EMD Deposit', Part – A 'Techno- commercial bid' and Part-B 'Price Bid' along with NIT No. & due date written on each of the envelope. These three separate envelopes shall together be kept in fourth envelop super scribed with name of Work, NIT No. & due date of opening.
6. Techno-commercial bid should contain all the documents in proof of Pre- qualifying criteria, signed tender document having NIT page, Instructions for tenderer, general conditions, Special Conditions, Contractor's Obligations, un-price bid, all the annexure duly filled & signed by the tenderer and the envelope containing EMD.
7. The tenderer shall submit the Bank details along with a cancelled cheque for payment through NEFT/RTGS.
8. Price Bid should contain only the "Part-B, Price Bid Format" after quoting the rates/percentages/amount as specified in the Price bid format.
9. On the date of opening of tender, only Techno-Commercial Bid shall alone be opened.
10. BHEL reserves the right to accept or reject any or all offers without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).
11. In case any typing error/other clerical errors is noticed by the tenderer, in the tender documents, the same must be pointed out and got clarified before submission of offer, or else, BHEL's interpretation shall prevail & shall be binding on the tenderer.
12. The Tenderer should accept all terms & conditions of the tender unconditionally. Tenders with deviations from terms and conditions are likely to be rejected.
13. Tenderers are requested to go through the scope of work, visit the site/location etc. and get fully acquainted with the work place and prevailing working conditions to get all their doubts clarified regarding the above work before submitting the offer. Engineer-in-charge's decision will be full and final in the event of any. Any queries regarding this tender may be clarified from Sr. Engineer (HR-TAX), on Telephone No.- 0120-3070961 or at e-mail: ujjwal@bhel.in.
14. The tenderers or their representative may attend the opening of techno-commercial bid (Part-A) and the technically qualified tenderers or their representative may attend the opening of Price bid (Part B), if they so desire. The tenders (both the parts) shall be opened on schedule date & time even if the bidders or their representative are not present.

(Signature & seal of the contractor)


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B. PRE QUALIFYING CRITERIA:

- 1) **EMD of Rs. 14,600/-** (Rupees Fourteen Thousand Six Hundred only) only in the form of Banker's Cheque/Pay Order/Demand Draft in favour of BHEL, payable at New Delhi, must be submitted in a separate envelope. Electronic Fund Transfer credited in BHEL account may also be accepted before tender opening. Cash Deposit may be accepted as permissible under the extant Income Tax Act (before Tender opening). Tender not accompanied with EMD/ EMD submitted in any forms other than mentioned above will not be accepted.
- 2) The bidder should have **PAN & GST Registration No.**
- 3) The bidder's average annual financial turnover during the last three financial years ending 31st March 2017 should be at least Rs. **2.19 lakhs.**
- 4) The experience of having successfully completed similar Works (Similar work shall mean execution of Civil renovation/construction works) during last 7 years ending on 31.10.2017 should be either of the following: -
 - a) Three similar completed jobs/ services costing not less than Rs. **2.92 Lakhs** each.
Or
 - b) Two similar completed jobs/ services costing not less than Rs. **3.65 Lakhs** each.
Or
 - c) One similar completed jobs/ services costing not less than Rs. **5.84 Lakhs.**
- 5) **DOCUMENTS REQUIRED IN SUPPORT OF PRE-QUALIFYING REQUIREMENT:**
 - a) **Complete tender document in all respects duly signed & stamped on each and every page as a token of acceptance of all the terms and conditions of tender.**
 - b) Self-attested copies of Balance Sheet and Profits & Loss Account statements of last three financial years i.e. FY 2014-15, 2015-16 & 2016-17 (AY 2015-16, 2016-17 & 2017-18) duly verified by CA .
 - c) Self-attested copies of acknowledgements of IT return of last three financial years i.e. FY 2014-15, 2015-16 & 2016-17 (AY 2015-16, 2016-17 & 2017-18) Self-attested copies of Work Orders/ Award letters along with certificates of completion in support of proof of experience for the works executed by the bidders during last 7 years ending on 31.10.2017. BHEL reserves the right to cross check the documents from the issuing department/ company.
 - d) Self-attested copies of the **PAN No. & GSTIN Registration No.**
 - e) The Bidder must Submit a declaration (enclosed at Annexure –E2), that no case is pending with the police/ court against the proprietor/ firm/ partner or the company (Agency). As well as the bidder has not been suspended / blacklisted by any organization.
 - f) No deviation certificate as per Annexure –E3 (enclosed) must be signed and stamped.
 - g) Bidder must submit the technical details in the enclosed format (Annexure-E4).
 - h) Bidder must submit the bidder's details in the enclosed format (Annexure-E5)
 - i) Bidders must submit a Declaration of GST Benefits (enclosed at Annexure – E-6).
 - j) Bidder must submit the check list enclosed at Annexure-E8 after duly filled and signed.

(Signature & seal of the contractor)



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C. **GENERAL TERMS & CONDITIONS:-**

- 1) Tenders received late /in open condition/without EMD/ not meeting the tender condition / incomplete in any respect are likely to be rejected.
- 2) BHEL will not be responsible for the postal delay under any circumstances for non-receipt of Tenders by due date & time.
- 3) BHEL has the right to reject all or any of the tenders and accept any tender(s) irrespective of its / their being the lowest / highest.
- 4) If any information/ documents submitted by the tenderer are found false/fake at any stage, the tender will be cancelled and Earnest Money deposited (EMD) shall be forfeited.
- 5) The offer of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of the banned firms is available on BHEL web site www.bhel.in
- 6) The Tenderers are required to quote for the complete scope of work. Tenders for part of the work or incomplete in any respect are liable to be rejected.
- 7) Rates/amount/percentage quoted by the bidder will be firm for the contract period or extended period of contract. No price variation and escalation due to increase in labour / material cost will be allowed.
- 8) Estimated rates have been disclosed in the tender documents and percentage rate tenders are invited. Accordingly, the basic amount as per basic rates has been calculated against each item. Bidders have to quote a single overall percentage, (+) above, (-) below or at par with the tender rates at S. No. 92 of Price Bid format. The same quoted percentage will be applied on every item of the BOQ.
- 9) The rates/amount/percentage quoted by the bidder are deemed to be inclusive of all, cost of site clearance and any other incidental works required to complete the work and inclusive of all the taxes but excluding GST. GST shall be quoted extra in the same price bid format.
- 10) **VALIDITY OF RATES:** Validity of rates will be 90 days from the date of opening of the techno- commercial bid.
- 11) **EVALUTION CRITERIA:** The criteria of evaluation of techno-commercial bids shall be on the basis of documents submitted by the tenderers. The successful tenderer would be decided by BHEL by opening of sealed price bid. Date of opening of sealed Price Bid will be intimated, by post or e-mail separately to the Tenderer who qualify in the Techno-Commercial bid. The decision of BHEL will be final in this regard. Evaluation of bid will be on total cost to 'BHEL' i.e. Evaluation of bid will be on total cost to 'BHEL'. Evaluation of Price Bid will be done on overall L-1 rate inclusive all including GST (on Sl.No.-95 of Price Format). In case of tie between the rates of two or more bidders, the Snap bidding system will be followed to arrive the L-1 bidder.
- 12) **CORRECTION OF ARITHMETIC ERRORS:** Provided that the bid is substantially responsive, BHEL shall correct arithmetical errors on the following basis:
 - a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the BHEL there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected.
 - b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
 - c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

(Signature & seal of the contractor)


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- d) If any bidder does not accept the correction of errors, their bids are liable to be disqualified.
- 13) **CONTRACT AGREEMENT:** A contract agreement shall be signed before the start of work on a non-Judicial stamp paper of Rs 100/-. The contract agreement shall be deemed to have become effective from the forenoon of date of award, and will remain in force for a period 5 months and then after for maintenance period of another one year. However, this Agreement may be terminated earlier by BHEL at any time by giving one month's notice to the Contractor due to any failure on the part of the contractor in discharging his obligations under the contract, without prejudice to the rights of BHEL to recover any money becoming due under this Agreement. In such a case, the Contractor shall not be entitled to any compensation thereof. The decision of BHEL about the failure on the part of the Contractor shall be final and binding on the Contractor.
- 14) **COMPLETION PERIOD:** The work completion period will be 5 Months. Entire work has to be completed within the contract period.
- 15) **SUBLETING:** The Contractor shall not sublet, transfer or assign the full work or any part thereof to any other person/company/organization. In case it is found that the work has been subletted, the contract shall be terminated immediately & Security Deposit shall be forfeited.
- 16) The contractor should have **PF code number & ESI code number** before the start of work. However in case of not having any or both the documents, the contractor shall arrange & submit the documents before claiming first running bill.
- 17) Accommodation in any manner will not be provided to the workers of the contractor deployed in the execution of work.
- 18) The contractor will be responsible for the quality of the work and it is to be guaranteed for a period of one year from the date of actual completion of contract.
- 19) Period of guarantee/ maintenance shall mean the period of one year which will be calculated from the date of actual completion of the works certified by the Engineer-in-charge in accordance with conditions of the contract. The period of maintenance shall always be reckoned from the date of completion of the whole of the works as accepted / taken over by Engineer-in-charge.
- 20) **WATER & ELECTRICITY:** Water and electricity shall be supplied to the contractor by BHEL subject to the following conditions:-
- Water & Electricity shall be provided free of cost.
 - Contractor shall make his/ their own arrangement of water/ electricity connection and laying of pipelines/ connection from existing main of source of supply as directed by Engineer Incharge.
 - BHEL do not guaranty to maintain uninterrupted supply of water/ electricity and it will be incumbent on the contractor to make alternative arrangement for proper supply of the same at his/ their own cost in the event of any break down in the government water/ electricity mains so that the progress of his/ their work is not held up for the want of the same. No claim of damage or refund will be entertained on account of such break down.
- 21) **STORES AND MATERIALS ON SITE:**
- The contractor shall, during the progress of work, provide, erect and maintain at his own expense all necessary temporary work-shops, stores etc. required for the proper and efficient execution of work. The location & size of the store shall have the approval of the Engineer-in-Charge and the contractor shall at all times keep them tidy in a clean and sanitary condition to the entire satisfaction of the Engineer-in-Charge.
 - All materials for the work are to be deposited by the contractor only in places to be indicated by the Engineer-in-Charge.

(Signature & seal of the contractor)


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- c) The safety & security of the contractor's materials will be the responsibility of contractor himself. BHEL will not provide any compensation due to theft or loss of contractor's materials.
- d) The stores provided by the contractor will not be utilized as the accommodation for the workers or for any other purpose.
- e) Contractor will remove the temporary stores/ structure before claiming the final bill.

22) PAYMENT TERMS & TAXES/DUTIES:

- a) No advance payment or the payment for mobilization of work will be made to the contractor.
- b) Running bills payment (If demanded by contractor) against the work executed shall be made to the contractor. However only one running bill will be accepted in a month.
- c) The payment of final bill will be made only after obtaining certificate of satisfactory completion of the work by the Engineer-in-Charge, clearance of the site & clearance of all the liabilities on contractor's part. No claim will be entertained after signing the final bill.
- d) Payment shall be made for the actual executed quantity of work after recording joint measurement on Measurement Book (MB) by Engineer-in-Charge.
- e) Measurement shall be recorded in measurement book (MB) maintained by the Engineer-in-Charge who shall make entries regarding the work executed by the contractor under different items of bill of quantity (BOQ). These entries will be counter-signed by the contractor.
- f) Bills raised by the Contractor shall be certified by the official in-charge of BHEL and the payments will be made against running/final bill excluding GST & notional interest thereon, within 30 days by NEFT/RTGS from the date of receipt of in discrepant bill subject to conditions mentioned below. The contractor shall not be entitled to any interest with respect to any money which may be due to him from BHEL.
- g) For measurement of work the norms of Indian Standards (IS) as mentioned in CPWD specifications for each items of work shall be followed.
- h) Measurement shall be taken jointly by Engineer-in-Charge or his representative on the part of the BHEL & the contractor.
- i) The contractor shall provide assistance with appliances and other things necessary for measurement without extra charge.
- j) If the contractor / his representative fails to attend when required for measurement, the Engineer-in-Charge shall have power to proceed by him to take measurements and in that case, these measurements shall be accepted by the contractor as final.
- k) No payment shall be made for the work done without the permission of Engineer-in-Charge.
- l) The contractor shall not be entitled to any interest with respect to any money which may be due to him from BHEL.
- m) All payment will be subject to deduction of taxes at source as per rules.
- n) As GST has been introduced by Govt. of India in place of existing taxes, the same shall be payable after submission of GST compliant tax invoices on which BHEL may claim GST credit as per GST law/ rules.
- o) The bidder must quote his rates considering benefits of GST including Input Tax credit in the quoted price.
- p) To enable BHEL to avail GST Input tax credit, contractor shall submit GST compliant Tax invoice containing all the particulars as stipulated under Invoice Rules of GST Law. Such invoice shall be submitted within prescribed time limit in the name of respective BHEL Unit/Office/Region as instructed by BHEL.

(Signature & seal of the contractor)


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- q) The contractor has to submit their GST registration certificate to respective BHEL Unit/Office/Region. GSTIN of BHEL will be provided to the contractor by respective office of BHEL.
- r) Any statutory changes as and when made applicable by the Government shall become applicable against documentary evidence.
- s) Payment to the contractor will be subjected to TDS as per rules in force from time to time. The Tax Deduction at Source (TDS) shall be done as per the provisions of Income Tax Act and GST as applicable, as amended from time to time and a certificate to this effect shall be provided to the contractor by BHEL.
- t) Payment shall be made to contractor only after submission of GST complaint Tax invoice as mentioned above and other relevant documents. However, to protect BHEL's interest for GST input tax credit, GST portion amount along with notional interest on GST credit for 2 months' period (presently rate of interest is @ 24%) shall be withheld and the same shall be released only after confirmation from GST website/portal that such invoice has been declared in GSTR-1 return filed by contractor within the stipulated time for the relevant period and tax amount thereon has been paid by contractor to Govt. within the stipulated time period as per GST Law.
- u) In case GST credit is delayed/denied to BHEL or subsequently recovered from BHEL due to non/delay in filing of GSTR-1 Return or delay in/nonpayment of tax to Govt. by contractor or for any other reasons not attributable to BHEL, in such case any financial implication on BHEL on account of delay/loss/recovery from BHEL of such GST Credit along with interest levied/leviable on BHEL till the time GST credit is available to BHEL, shall be recovered from the contractor's bill and/or adjusted against GST amount not paid as indicated under (e) above.
- v) Irrespective of refund of GST Credit and interest thereon to BHEL by GST portal upon subsequent declaration of such invoice by contractor in his GSTR-1 for any period after due date of such return and/or payment of GST thereon by contractor on GST portal, the notional interest for delayed period of GST credit (i.e. delay for the period when GST credit is actually allowed and the period when GST credit should have been allowed had contractor declared such invoice in his GSTR-1 and paid tax thereon in the relevant month as per GST law) shall be recovered from contractor.

23) LD/PENALTY FOR DELAY & QUALITY

- a) In case there is a delay attributable to contractor in completing the work in stipulated time i.e. 05 Months from the date of award of work, L.D. will be imposed @1.5% per week of delay. However the total penalty due to delay will be up to maximum 10% of total contract value. LD will be calculated on the total contract value.
- b) If the quality of work is not satisfactory, BHEL reserves the right to impose the LD up to maximum 10% of the contract value.
- c) Tender LD i.e. for delay as well as quality is to be considered in TOTO i.e. total LD shall be 20% of the contract value.
- d) In case of LD recovery, the applicable GST shall be recovered from the contractor.

24) EARNEST MONEY DEPOSIT (EMD):

- 1) EMD of Rs. **14,600/- (Rupees Fourteen Thousand Six Hundred only)** only in the form of Banker's Cheque/Pay Order/Demand Draft in favour of BHEL, payable at New Delhi, must be submitted in a separate envelope. Electronic Fund Transfer credited in BHEL account may also be accepted before tender opening. Cash Deposit may be accepted as permissible under the extant Income Tax Act (before Tender opening). Tender not accompanied with EMD/ EMD submitted in any forms other than mentioned above will not be accepted.
- 2) EMD of the tenderer will be forfeited if:

(Signature & seal of the contractor)



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- a) After opening of the tender the tenderer revokes his tender within the validity period or increase his earlier quoted rates.
 - b) The tenderer does not commence the Work within the period as per LOI/ Contract.
- 3) EMD given by all unsuccessful tenderers shall be refunded normally within 15 days of acceptance of award of work by the successful tenderer.
 - 4) EMD shall not carry any interest.

25) MICRO AND SMALL ENTERPRISES (MSE):-

Any bidder falling under MSE category, shall furnish the following details & submit documentary evidence/ Govt. Certificate etc., in support of the same along with their techno-commercial offer.

Type under MSE	SC/ ST owned	Others
Micro		
Small		

Note: - If the bidder does not furnish the above, offer shall be processed construing that the bidder is not falling under MSE category.

- a. MSE Supplier can avail the intended benefits only if they submit along with offer, attested copies of either Udyog Aadhar or EM-II certificate having deemed validity (five years from the date of issue of acknowledgement in EM-II) or the valid NSIC certificate or EM-II certificate along with attested copy of a CA Certificate (format enclosed as Annexure- E-7) where deemed validity of EM-II certificate of five years has expired applicable for the last audited financial year. Date to be reckoned for determining the deemed validity will be the date of bid opening. Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening.
- b. Participating MSEs quoting price within price band of L1 + 15 % shall be considered for award of complete scope of work by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE. In case of more than one such MSE, MSE with lowest price shall be given the first option to match the L1 price. However, MSEs owned by the Scheduled Caste or the Scheduled Tribe entrepreneurs shall be given the preference for matching the L1 price irrespective of their standing in comparative statement of MSE bidders within price band of L1 + 15%.

26) SECURITY DEPOSIT:

- a. The security deposit shall be collected from the successful tenderer. The rate of Security Deposit will be as below :

5% of work order value

The security deposit should be collected before start of work by the contractor.

- 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 schedule banks, subject to realization.
 - iv. Securities available from Post Offices such as National Saving Certificates, Kisan Vikas Patras etc. (Certificate should be held in the name of the contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).

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- v. Bank Guarantee from Schedule Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- vi. Fixed deposit Receipt issued by Schedule Banks/ Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii. Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be deposited before start of the work and balance 50% may be recovered from the running bills.
- viii. EMD of the successful bidder shall be converted & adjusted against the security deposit, if so desired by the successful tenderer.
- ix. The Security Deposit shall not carry any interest.

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

- c. The security deposit will be released only after completion of Guarantee/ Maintenance period of **one year** from the date of actual completion of work.
 - d. Failure to pay the security deposit shall be treated as failure to discharge the duties under the contract and shall result in cancellation of the contract and the contractor shall be liable to compensate BHEL for any losses incurred by BHEL. BHEL reserves the right to appropriate any part / whole of the amount of the security deposit without prejudice to other claims against the contractor for losses suffered by BHEL due to failures on the part of the contractor, due to termination of contract or contractor becoming disqualified because of liquidation / insolvency. The decision of BHEL in respect of such losses, damages, charges, expenses or costs, shall be final and binding to the contractor.
- 27) **TERMINATION OF CONTRACT ON DEATH:** Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the accepting officer shall have the option of terminating the contract without compensation to the contractor's survivors.
- 28) **RECOVERY FROM CONTRACTOR:** Whenever under the contract, any sum of money shall be recoverable from or payable by the contractor, the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under the contract or under any other contract with BHEL or from his security deposit, or the contractor shall pay the claim on demand without any terms & conditions.
- 29) **POST TECHNICAL AUDIT OF WORK AND BILLS:** BHEL reserves the right to carry out a post payment audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc. and to enforce recovery of any sums becoming due as a result thereof in the manner provided into the proceeding sub-paragraph provided however, that no such recovery shall be enforced after three years of passing the final bill.
- 30) **ARBITRATION / CONCILIATION:** In the event of any dispute arising between the parties hereafter referred as BHEL and Contractor in respect of or connected with this contract, General & Special terms & conditions of tender, then the same shall be referred to Arbitration and Arbitrator will be nominated by the Head of Administration of BHEL Corp. Office, New Delhi, whose decision shall be final and binding on both the parties. However, any differences or doubt pertaining to meaning/ interpretation of any phrase word used in terms or in the schedule of

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services, their nature and manner of rendering of such services shall be the excepted matter and be referred to the Head of Administration of BHEL Corp. Office, New Delhi, whose decision shall be the final and binding. The provisions of Arbitration and Conciliation Act, 1996 or any statutory modification and re-enactment thereof will apply to such arbitration provided however, in all matters the venue of proceedings will be Delhi and only Delhi or appropriate Courts will have jurisdiction over the same.

31) RISK CLAUSE: BHEL reserves the right to terminate the contract due to any failure on the part of the Contractor in discharging his obligations under the contract or in the event of his becoming insolvent or going into liquidation. The decision of the BHEL about the failure on the part of the Contractor shall be final and binding on the Contractor. In the event of any failure on the part of the Contractor, BHEL shall have the right without any prejudice to get the work done through any other alternate agency at the risk and cost of Contractor. The additional cost including loss, if any incurred by BHEL will be recovered from the Contractor.

32) SPECIAL CONDITIONS RELATED TO THE WORK

- a) The subject work shall be carried out up to the satisfaction of Engineer-in-charge.
- b) The work will be carried out as per BOQ enclosed and as per latest CPWD Specifications and relevant IS codes for all the works. In case of any doubt regarding the specification and its quality of work, Engineer in Charge's clarification and decision will be final and binding on the contractor.
- c) The Cement to be used in the Works shall be 43 Grade Ordinary Portland cement conforming to IS: 8112.
- d) All the materials shall be arranged by the contractor. No materials shall be issued from BHEL.
- e) All tools and tackles required for proper completion of work shall be arranged by contractor.
- f) After completion of the work at the site, contractor will remove all unwanted material/ rubbish from the site with no extra claim.
- g) The Source of Water and Power Supply will be given at one point. All other arrangements have to be arranged by Contractor.
- h) Proper curing of all the cement work as per IS specifications shall be done by contractor on no extra claim.
- i) **CARE OF BUILDINGS:** Care shall be taken by the contractor to avoid damage to the existing buildings during execution of work. He shall be responsible for repairing all the damages and restoring the same to their original finish at his cost. He shall also remove at his costs all unwanted and waste materials arising out of his work from the site.
- j) **QUALITY OF MATERIALS:** All materials supplied by the contractor shall be new. They shall be such design, size and materials as given in BOQ and to satisfactorily function.
- k) **INSPECTION OF MATERIALS:** All the materials delivered by the contractor at site shall be inspected and verified by Engineer-in-charge before use.
- l) **WORKMANSHIP:** Good workmanship is an essential requirement to be complied with. The entire work shall conform to sound engineering practice. In case of bad workmanship re-work will be done by the contractor on no extra claim.
- m) **SUPERVISION OF WORK:** The contractor will deploy sufficient numbers of Supervisors/ Engineers of appropriate qualification and experience to ensure proper execution of work. They will carry out instructions of Engineer-in-charge and other senior officers of BHEL during the progress of work.

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- n) **GUARANTEE / MAINTENANCE PERIOD:** The work shall be guaranteed against any inferior quality/ workmanship. The guarantee / maintenance period will be for a period of **12 months/one year** from the date of actual completion of contract. The full Security Deposit (SD) amount shall be retained for the guarantee/ maintenance period and it shall be released after satisfactory carrying out all rectification/ repaired works as informed by the Engineer-in-charge. In case of not attending any rectification/ repairing work by the contractor, the rectification work will be carried out by any outside agency and recovery will be done from the contractor.

D. CONTRACTOR'S OBLIGATION:

- 1) "The Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."
- 2) Contractor shall supervise the Work allotted to him to be carried out by his workforce. The contractor shall visit the site every day to ensure the work is carried out in fast pace for completion within schedule time.
- 3) Contractor to ensure that the workforce deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- 4) The workforce deployed by the contractor shall be hail and healthy and should not be suffering from any communicable diseases.
- 5) Contractor to accept full and exclusive liability for the wages, Allowances, PF, ESI, for the workforce deployed by the contractor and other obligation referred under the law at present and any future taxes imposed by the Government / Local Bodies.
- 6) BHEL will have no liability whatsoever concerning the persons deployed by the contractor for the purpose. The contractor shall keep the Company indemnified against all losses or damages or liability arising out of or imposed in the course of employment of persons by the contractor.
- 7) Statutory requirement of the local authority / State Govt. / Central Govt. shall be responsibility of the contractor.
- 8) The contractor will be solely responsible for any unlawful act of their workforce while on duty. In case of theft or loss of Company's property take place due to the negligence or carelessness of workforce, the contractor will be responsible and shall make good of the same.
- 9) The Contractor shall duly comply with all acts, laws, or other statutory rules, regulations, bye-laws applicable or which might be applicable to with regard to the performance of the contract included herein or concerning this Agreement but not limited to Minimum Wages Act- 1948, Contract Labour (Regulation & Abolition) Act, 1970, Industrial Dispute Act, 1947, Workmen's Compensation Act 1923, Employees' State Insurance Act 1948 (to the extent as may be applicable, if any), Employees' Provident Fund and Misc. Provisions Act, 1952 and the amendments made thereafter to these Acts / Laws and from time to time take such steps as may be deemed necessary in this regard. The Contractor shall keep the Company Indemnified against all penalties, claims and liabilities of every kind under or for any violation of such acts, laws or regulations etc. by him or his workers.
- 10) In case, while on duty and during the course of engagement in work premises of the Company under this Agreement, if any of the Contractor's workforce suffers with any injury / indisposition due to accident or other natural calamities, the Contractor shall ensure that immediate and adequate medical aid viz., first -aid and subsequent

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treatment facilities are provided to the person(s) concerned free of cost without fail. In addition, the Contractor shall also be liable for meeting with statutory liabilities like ESI etc. in respect to his workers.

- 11) The Contractor shall be fully responsible for the timely payment of wages, Allowances, Bonus or any other benefits payable under the aforesaid Acts, Laws and regulations to the workforce engaged by him at the work premises of the Company. Contractor shall also be fully responsible for timely deposit of PF and ESI with the appropriate authority including submission of return of PF & ESI and issue of PF slip issued by the PF Authority. The Company shall not be responsible for these payments or any other liability on this account. The Contractor shall also indemnify and compensate the Company for any liability incurred by the Company, if any, including costs incurred thereon. In that event the nominated officer of the Company shall be entitled to recover the amount so paid, from the contractor, including forfeiture of the Security Deposit; and, if the sum so payable and / the Security Deposit is less than the Company's claim, it shall be lawful for the Company to recover the balance amount as a debt from the Contractor.
- 12) The Contractor shall indemnify and compensate the Company, if the Company as Principal Employer under the Contract Labour (Regulation and Abolition) Act, 1970 becomes liable to assume any liability towards the workforce engaged by the contractor. In that event, the provisions relating to recover as provided in relevant clauses of the said Act shall be applicable in Toto.
- 13) The Contractor shall be held responsible for any damage / loss to the work premises /or the properties of the Company (i.e. missing or broken fittings, equipments, furniture etc. and loss of such things) caused due to the negligence of his work force and shall have to replace the same at his own cost. The decision of the Engineer-in-charge shall be final and binding on the Contractor.
- 14) The contractor shall hand over a copy of all legal and statutory documents and records to BHEL for fulfilling any future requirement with the statutory authority.
- 15) The contractor shall abide by all the rules / regulations / status imposed by the Govt. or other concerned authorities. The contractor will be responsible for workmen's compensation & other requirements of local Municipalities / Govt. or any other law regulating bodies
- 16) Contractor to maintain appropriate records of his employees deployed to carry out the job.
- 17) Contractor to get all his employees insured against all type of risks at his own cost.
- 18) Contractor to ensure that all precautions are taken for safety of his employees and equipments.
- 19) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees from the site of BHEL. In case contractor decides to terminate services of his employees, he should settle all terminal dues including retrenchment compensation.
- 20) The successful tenderer must comply to all statutory labour law regulations applicable to this contract like minimum wages act, timely payment of wages etc. including taking of insurance cover etc. for workers employed for this contract. Any obligation on account of the above will be the liability of the successful tenderer.
- 21) In case of any objection from any statutory / local authority, the contractor has to liaison with them for smooth progress of work.
- 22) The Contractor shall ensure proper conduct and behavior of the workforce engaged by him on the site and shall remove with immediate effect, the engagement of such person(s) who does/do not conduct himself / themselves properly or misbehave(s) with the residents of township or the staff of Estate office.

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UN- PRICE BID

Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT
BHEL TOWNSHIP, SECTOR-17, NOIDA**

NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18**
Dated: 16.11.2017

S. No.	Description of Item	UNIT	QUANTITY	RATE	Amount (Rs)
Civil Work					
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	2.00	785.58	1571.16
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm	sqm	20.00	24.82	496.40
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead of area 3 sq. metres and below	each	10.00	124.30	1243.00
4	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge 15 mm to 40 mm nominal bore	metre	15.00	50.91	763.65
5	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge Up to 150 mm diameter	metre	10.00	148.37	1483.70

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6	Cutting holes up to 30x30 cm in walls including making good the same With common burnt clay F.P.S. (non modular) bricks	each	2.00	183.00	366.00
7	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	2.00	169.84	339.68
8	Providing and fixing soil, waste and vent pipes 100 mm dia centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	metre	10.00	807.62	8076.20
9	Providing and fixing trap of self-cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet sand cast iron S&S as per IS: 3989	each	1.00	864.64	864.64
10	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter 100 mm.	each	5.00	214.50	1072.50
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	0.50	3784.88	1892.44
12	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	1.00	5676.00	5676.00

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13	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal outer dia Pipes.	mtr.	15.00	260.83	3912.45
14	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work-20 mm nominal outer dia Pipes	mtr.	20.00	143.70	2874.00
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1.00	4775.01	4775.01
16	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931, 15 mm nominal bore.	each	2.00	545.38	1090.76
17	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms.	each	8.00	167.99	1343.92
18	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required, W.C. pan with ISI marked white solid plastic seat and lid.	each	1.00	4210.45	4210.45

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19	25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with Second class teak wood.	sqm	30.00	2932.91	87987.30
20	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc, complete.	sqm	10.00	691.15	6911.50
21	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	50.00	736.25	36812.50
22	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete, size of Tile 600x600 mm	sqm	60.00	1237.24	74234.40
23	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	60.00	402.29	-24137.40
24	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	sqm	70.00	380.91	26663.70

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25	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require, white Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	each	1.00	2051.41	2051.41
26	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required, White glazed fire clay kitchen sink of size 600x450x 250 mm	each	1.00	2149.49	2149.49
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia.	each	2.00	65.52	131.04
28	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour, 15 mm nominal bore with 45 cm length.	each	8.00	65.74	525.92
29	Providing and fixing PTMT grating of approved quality and colour, Circular type 100 mm nominal dia.	each	4.00	43.34	173.36
30	Providing and fixing PTMT bib cock of approved quality and colour, 15mm nominal bore, 86 mm long, weighing not less than 88 gms.	each	2.00	137.32	274.64
31	Providing and fixing PTMT bib cock of approved quality and colour, 15 mm nominal bore, 165 mm long, weighing not less than 110 gms.	each	5.00	178.20	891.00
32	Providing and fixing PTMT swiveling shower, 15 mm nominal bore, weighing not less than 40 gms.	each	1.00	124.74	124.74
33	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	2.00	145.16	290.32
34	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour, 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	each	1.00	476.52	476.52

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35	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	1.00	698.68	698.68
36	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 110 mm diameter.	metre	1.00	203.85	203.85
37	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	sqm	15.00	1680.40	25206.00
38	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge.	sqm	18.00	1434.18	25815.24
39	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) ,Kiln seasoned and chemically treated hollock wood.	cum	0.15	47254.77	7088.22

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40	<p>Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.</p>	metre	11.00	403.88	4442.68
41	<p>Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's</p>	sqm	4.00	2828.50	11314.00

(Signature & seal of the contractor)



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 वरि. अभियंता (मा. सं.-टीएफएस)
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	<i>specification & drawing. 30 mm thick pre laminated PVC door shutters.</i>				
42	<i>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</i>	kg	73.00	306.68	22387.64
43	<i>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots</i>	kg	98.00	357.19	35004.62

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	<i>and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</i>				
44	<i>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness</i>	sqm	15.00	729.30	10939.50
45	<i>Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete, with 12 mm mild steel U beading.</i>	sqm	20.00	508.90	10178.00
46	<i>Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, upto 5mm depth and 5 mm width</i>	metre	30.00	78.10	2343.00
47	<i>Providing and fixing aluminium sliding door bolts, ISI marked anodised anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete, 250x16 mm.</i>	each	8.00	166.32	1330.56
48	<i>Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 200x10 mm.</i>	each	8.00	69.74	557.92
49	<i>Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with</i>	each	2.00	57.51	115.02

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 भारत हेवी इलेक्ट्रिकल्स लि., संपदा कार्यालय, सेक्टर-17, नोएडा
 Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida

	necessary screws etc. complete, 150x10 mm.				
50	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 100x10 mm.	each	24.00	46.07	1105.68
51	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 125 mm.	each	16.00	61.42	982.72
52	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 100 mm.	each	28.00	48.49	1357.72
53	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	each	14.00	65.96	923.44
54	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	2.00	480.83	961.66
55	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete, Double strip (horizontal type).	each	12.00	20.06	240.72
56	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	each	12.00	42.50	510.00
57	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	kg	150.00	102.87	15430.50

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58	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead . With cement mortar 1:4 (1cement: 4 coarse sand)	Sqm	70.00	228.05	15963.50
59	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	sqm	316.00	8.71	2752.36
60	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	315.00	78.89	24850.35
61	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade ,Two or more coats on new work	sqm	315.00	70.84	22314.60
62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade, two or more coats on new work.	sqm	97.00	65.47	6350.59
63	Carriage of material by mechanical transport including loading, unloading and stacking Lime, moorum, building rubbish upto 5 Km.	cum	5.00	107.76	538.80
64	Carriage of material by mechanical transport including loading, unloading and stacking Lime, moorum, building rubbish Beyond 5 km 10 km	cum	5.00	115.90	579.50
Electrical Work					
65	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable, PVC Holder/ Ceiling Rose etc. as required.For Group A	Points.	35.00	482.24	16878.40

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66	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable, PVC Holder/Ceiling Rose etc. as required.	Points.	4.00	711.92	2847.68
67	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 2X4 sq. mm+ 1X4sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	150.00	147.84	22176.00
68	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 2X2.5 sq. mm+ 1X2.5sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	200.00	120.56	24112.00
69	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 4 X 10 sq. mm + 2 X 6 sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	15.00	471.68	7075.20
70	Supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	Metre	60.00	16.72	1003.20
71	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	60.00	25.52	1531.20
72	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.	Metre	120.00	29.92	3590.40
73	Supplying and fixing 6 way (4 + 18), Double door horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned	Nos	1.00	2339.92	2339.92

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	<i>copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)</i>				
74	<i>Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.</i>	Nos	15.00	152.24	2283.60
75	<i>Supplying and fixing 5 amps to 32 amps rating, 415 volts, "C" curve, miniature circuit breaker suitable for inductive load of Triple pole and neutral in the existing MCB DB complete with connections, testing and commissioning etc. as required.</i>	Nos	1.00	784.08	784.08
76	<i>S/F PVC conduit: Supplying and fixing of 25 mm size of PVC conduit along with accessories in recess including cutting the wall and making good the same as required</i>	Metre	100.00	60.72	6072.00
77	<i>Supplying and fixing TV antenna socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.</i>	Nos	6.00	85.36	512.16
78	<i>Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.</i>	Nos	5.00	253.44	1267.20
79	<i>Supplying and fixing Telephone socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.</i>	Nos	6.00	84.48	506.88
80	<i>Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.</i>	Nos	10.00	21.12	211.20
81	<i>Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.</i>	Nos	5.00	6.16	30.80
82	<i>Supplying and fixing 2 modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.</i>	Nos	5.00	154.00	770.00
83	<i>Supplying and fixing 3 modules, GI box alongwith modular base & cover</i>	Nos	6.00	162.80	976.80

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	<i>plate for modular switches in recess etc as required.</i>				
84	<i>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.</i>	Nos	15.00	357.28	5359.20
85	<i>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.</i>	Nos	22.00	275.44	6059.68
86	<i>Supplying and fixing call bell suitable for single phase, 230 volts, complete as required.</i>	Nos	3.00	53.68	161.04
87	<i>Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.</i>	Nos	5.00	92.40	462.00
88	<i>Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.</i>	Nos	10.00	88.00	880.00
89	<i>Installation, testing and commissioning of wall bracket / ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.</i>	Nos	10.00	51.04	510.40
90	<i>ITC exhaust fan up to 450 mm sweep including making hole to suit the size of the above fan, making good the damage, as required.</i>	Nos	2.00	197.12	394.24
91	<i>Total Estimated Amount excluding GST in Rs.</i>				618894.75
92	<i>Percentage Above(+)/ Below(-) at par S. No.91</i>				XXXXXXXX

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93	Total Quoted Amount after applying percentage (S. No. 92) excluding GST in Rs.	XXXXXXXXXX
94	Amount of GST @% in Rs.	XXXXXXXXXX
95	Total Amount inclusive of GST in Rs.	XXXXXXXXXX

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 Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida

Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT
BHEL TOWNSHIP, SECTOR-17, NOIDA**

NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18**
Dated: 16.11.2017

DECLARATION

I / We, do hereby declare that there is no case with the Police/Court/Regulatory authorities against the proprietor/firm/partner. Also I/We have not been suspended / delisted / blacklisted by any other Govt. Ministry / Department/Public Sector Undertaking/ Autonomous Body/Financial institution/Court. We also certify that either our firm or any of the partners are not involved in any scam or disciplinary proceedings settled or pending adjudication

(Signature & seal of the contractor)

Place:

Date:

(Signature & seal of the contractor)



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वरि. अभियंता (मा. सं.-टीएएक्स)
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NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18
Dated: 16.11.2017**

NO DEVIATION CERTIFICATE

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of the above tender and there is no deviation in the terms & conditions of tender. We confirm that the offer submitted by is confirming to all the terms and conditions mentioned in the tender document. We hereby undertake and confirm that we have understood the scope of services properly and shall carry out the job as mentioned in this tender.

(Signature & seal of the contractor)

(Signature & seal of the contractor)


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TECHNICAL DETAILS

Rs. Lacs

TURNOVER (F.Y.)	2014-15	2015-16	2016-17
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EXPERIENCE	No. of Work	Value	Customer's Name
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SIMILAR WORKS	Nature of Works	No. of works	Value	Customer's Name
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EPF Registration number	
ESI Registration number	
PAN Card No.	
GST Registration No.	

Income Tax Return (F.Y.)	2014-15	2015-16	2016-17
EMD Details	DD/ PO No.	Date	Amount
Details of manpower			

(Signature & seal of the contractor)

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BIDDER'S DETAILS

Name of the Contractor /Party/ Firm	
Name of Representative	
Postal Address	
Phone/ Landline Nos.	
Mobile Nos.	
Fax No.	
E-Mail Address	
Web Site Address (If Any)	
Bank details for payment through NEFT/RTGS and for release of EMD*	Name of Bank: Branch: Account No.: IFSC No.: MICR No.:

Note: Submit a canceled cheque for verification of above bank details.

(Signature & seal of the contractor)

(Signature & seal of the contractor)

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Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT
BHEL TOWNSHIP, SECTOR-17, NOIDA**

NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18
Dated: 16.11.2017**

DECLARATION OF GST BENEFITS

To whom so ever it may concern, I hereby on behalf of my organization declare that I have quoted the rates considering the benefits of Goods and Services Tax (GST) including Input Tax Credit (ITC) in the Price Bid.

(Signature & seal of the contractor)

Place:

Date:

(Signature & seal of the contractor)



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Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT
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NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18
Dated: 16.11.2017**

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
..... is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

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

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

(Strike off whichever is not applicable)

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

Or

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

Date:



(Signature)

Name -

Membership number -

Seal of Chartered Accountant

(Signature & seal of the contractor)



Ujjwal Tomar
Sr. Engineer (HR-TAX)
Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida

CHECK-LIST (TECHNICAL BID)
SUMMARY OF COMPLIANCE TO REQUIREMENT OF TENDER

Sl. No.	Description of requirement	Yes/ No/NA	Page No.
1	EMD of Rs. 14,600/- in the prescribed mode in favour of "Bharat Heavy Electricals Ltd" in a separate envelope.		
2	Details of work experience, satisfactory work performance certificates.		
3	Copies of the Balance sheet and Profit & Loss account statement of last three financial years i.e. FY 2014-15, 2015-16 & 2016-17 (AY 2015-16, 2016-17 & 2017-18) duly verified by CA		
4	Acknowledgement of IT returns (ITR) of last three financial years i.e. FY 2014-15, 2015-16 & 2016-17 (AY 2015-16, 2016-17 & 2017-18)		
5	Copy of the PAN card.		
6	Copy of GSTIN No. registration certificate		
7	Copy of EPF Registration and details		
8	Copy of ESI Registration and details		
9	Declaration enclosed at Annexure – E2		
10	No deviation certificate enclosed at Annexure – E3		
11	Technical details as per Annexure-E4		
12	Bidder's detail as per Annexure- E5		
13	Declaration of GST Benefits as per Annexure – E6		
14	All the pages of tender document have been signed		
15	Sealed envelope of price bid submitted.		

(Signature & seal of the contractor)



 Ujjwal Tomar
 Sr. Engineer (HR-TAX)
 भारत हेवी इलेक्ट्रिकल्स लि. सम्पदा कार्यालय, सेक्टर-17, नोएडा
 Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida

PRICE BID

Name of Work : **RENOVATION WORK FOR CRECHE FACILITY AT BHEL TOWNSHIP, SECTOR-17, NOIDA**

NIT No. : **NIT No. 32: AA: NOI: ADMN: CRECHE: 112:2017-18**
Dated: 16.11.2017

S. No.	Description of Item	UNIT	QUANTITY	RATE	Amount (Rs)
Civil Work					
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	2.00	785.58	1571.16
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm	sqm	20.00	24.82	496.40
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead of area 3 sq. metres and below	each	10.00	124.30	1243.00
4	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge 15 mm to 40 mm nominal bore	metre	15.00	50.91	763.65
5	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge Up to 150 mm diameter	metre	10.00	148.37	1483.70
6	Cutting holes up to 30x30 cm in walls including making good the same With	each	2.00	183.00	366.00

(Signature & seal of the contractor)


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	common burnt clay F.P.S. (non modular) bricks				
7	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	2.00	169.84	339.68
8	Providing and fixing soil, waste and vent pipes 100 mm dia centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	metre	10.00	807.62	8076.20
9	Providing and fixing trap of self-cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet sand cast iron S&S as per IS: 3989	each	1.00	864.64	864.64
10	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter 100 mm.	each	5.00	214.50	1072.50
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	0.50	3784.88	1892.44
12	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	1.00	5676.00	5676.00
13	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases	mtr.	15.00	260.83	3912.45

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	<i>and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal outer dia Pipes.</i>				
14	<i>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work-20 mm nominal outer dia Pipes</i>	<i>mtr.</i>	<i>20.00</i>	<i>143.70</i>	<i>2874.00</i>
15	<i>Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)</i>	<i>cum</i>	<i>1.00</i>	<i>4775.01</i>	<i>4775.01</i>
16	<i>Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931, 15 mm nominal bore.</i>	<i>each</i>	<i>2.00</i>	<i>545.38</i>	<i>1090.76</i>
17	<i>Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms.</i>	<i>each</i>	<i>8.00</i>	<i>167.99</i>	<i>1343.92</i>
18	<i>Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required, W.C. pan with ISI marked white solid plastic seat and lid.</i>	<i>each</i>	<i>1.00</i>	<i>4210.45</i>	<i>4210.45</i>
19	<i>25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with Second class teak wood.</i>	<i>sqm</i>	<i>30.00</i>	<i>2932.91</i>	<i>87987.30</i>

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20	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc, complete.	sqm	10.00	691.15	6911.50
21	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	50.00	736.25	36812.50
22	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete, size of Tile 600x600 mm	sqm	60.00	1237.24	74234.40
23	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	60.00	402.29	-24137.40
24	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	sqm	70.00	380.91	26663.70
25	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require, white Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	each	1.00	2051.41	2051.41

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26	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required, White glazed fire clay kitchen sink of size 600x450x 250 mm	each	1.00	2149.49	2149.49
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia.	each	2.00	65.52	131.04
28	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour, 15 mm nominal bore with 45 cm length.	each	8.00	65.74	525.92
29	Providing and fixing PTMT grating of approved quality and colour, Circular type 100 mm nominal dia.	each	4.00	43.34	173.36
30	Providing and fixing PTMT bib cock of approved quality and colour, 15mm nominal bore, 86 mm long, weighing not less than 88 gms.	each	2.00	137.32	274.64
31	Providing and fixing PTMT bib cock of approved quality and colour, 15 mm nominal bore, 165 mm long, weighing not less than 110 gms.	each	5.00	178.20	891.00
32	Providing and fixing PTMT swiveling shower, 15 mm nominal bore, weighing not less than 40 gms.	each	1.00	124.74	124.74
33	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	2.00	145.16	290.32
34	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour, 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	each	1.00	476.52	476.52
35	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	1.00	698.68	698.68

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36	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 110 mm diameter.	metre	1.00	203.85	203.85
37	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	sqm	15.00	1680.40	25206.00
38	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge.	sqm	18.00	1434.18	25815.24
39	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) ,Kiln seasoned and chemically treated hollock wood.	cum	0.15	47254.77	7088.22
40	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete	metre	11.00	403.88	4442.68

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	<i>as per manufacturer's specification and direction of Engineer-in-Charge.</i>				
41	<i>Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters.</i>	<i>sqm</i>	<i>4.00</i>	<i>2828.50</i>	<i>11314.00</i>

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42	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</p>	kg	73.00	306.68	22387.64
43	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including</p>	kg	98.00	357.19	35004.62

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	<i>the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</i>				
44	<i>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness</i>	<i>sqm</i>	<i>15.00</i>	<i>729.30</i>	<i>10939.50</i>
45	<i>Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete, with 12 mm mild steel U beading.</i>	<i>sqm</i>	<i>20.00</i>	<i>508.90</i>	<i>10178.00</i>
46	<i>Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, upto 5mm depth and 5 mm width</i>	<i>metre</i>	<i>30.00</i>	<i>78.10</i>	<i>2343.00</i>
47	<i>Providing and fixing aluminium sliding door bolts, ISI marked anodised anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete, 250x16 mm.</i>	<i>each</i>	<i>8.00</i>	<i>166.32</i>	<i>1330.56</i>
48	<i>Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 200x10 mm.</i>	<i>each</i>	<i>8.00</i>	<i>69.74</i>	<i>557.92</i>
49	<i>Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with</i>	<i>each</i>	<i>2.00</i>	<i>57.51</i>	<i>115.02</i>

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	necessary screws etc. complete, 150x10 mm.				
50	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 100x10 mm.	each	24.00	46.07	1105.68
51	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 125 mm.	each	16.00	61.42	982.72
52	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, 100 mm.	each	28.00	48.49	1357.72
53	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	each	14.00	65.96	923.44
54	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	2.00	480.83	961.66
55	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete, Double strip (horizontal type).	each	12.00	20.06	240.72
56	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	each	12.00	42.50	510.00
57	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	kg	150.00	102.87	15430.50

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58	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead . With cement mortar 1:4 (1cement: 4 coarse sand)	Sqm	70.00	228.05	15963.50
59	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	sqm	316.00	8.71	2752.36
60	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	315.00	78.89	24850.35
61	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade ,Two or more coats on new work	sqm	315.00	70.84	22314.60
62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade, two or more coats on new work.	sqm	97.00	65.47	6350.59
63	Carriage of material by mechanical transport including loading, unloading and stacking Lime, moorum, building rubbish upto 5 Km.	cum	5.00	107.76	538.80
64	Carriage of material by mechanical transport including loading, unloading and stacking Lime, moorum, building rubbish Beyond 5 km 10 km	cum	5.00	115.90	579.50
Electrical Work					
65	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable, PVC Holder/ Ceiling Rose etc. as required.For Group A	Points.	35.00	482.24	16878.40

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66	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable, PVC Holder/Ceiling Rose etc. as required.	Points.	4.00	711.92	2847.68
67	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 2X4 sq. mm+ 1X4sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	150.00	147.84	22176.00
68	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 2X2.5 sq. mm+ 1X2.5sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	200.00	120.56	24112.00
69	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/sub main wiring alongwith earth wire with 4 X 10 sq. mm + 2 X 6 sq. mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.	Metre	15.00	471.68	7075.20
70	Supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	Metre	60.00	16.72	1003.20
71	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	60.00	25.52	1531.20
72	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.	Metre	120.00	29.92	3590.40
73	Supplying and fixing 6 way (4 + 18), Double door horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned	Nos	1.00	2339.92	2339.92

(Signature & seal of the contractor)


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 Ujjwal Tomar
 वरि. अभियंता (मा. सं.-टीएफक्स)
 Ujjwal Tomar
 Sr. Engineer (HR-TAX)

 भारत हेवी इलेक्ट्रिकल्स लि. संपदा कार्यालय, सेक्टर-17, नोएडा
 Bharat Heavy Electricals Ltd., Estate Office, Sector-17, Noida

	<i>copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)</i>				
74	<i>Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.</i>	Nos	15.00	152.24	2283.60
75	<i>Supplying and fixing 5 amps to 32 amps rating, 415 volts, "C" curve, miniature circuit breaker suitable for inductive load of Triple pole and neutral in the existing MCB DB complete with connections, testing and commissioning etc. as required.</i>	Nos	1.00	784.08	784.08
76	<i>S/F PVC conduit: Supplying and fixing of 25 mm size of PVC conduit along with accessories in recess including cutting the wall and making good the same as required</i>	Metre	100.00	60.72	6072.00
77	<i>Supplying and fixing TV antenna socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.</i>	Nos	6.00	85.36	512.16
78	<i>Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.</i>	Nos	5.00	253.44	1267.20
79	<i>Supplying and fixing Telephone socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.</i>	Nos	6.00	84.48	506.88
80	<i>Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.</i>	Nos	10.00	21.12	211.20
81	<i>Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.</i>	Nos	5.00	6.16	30.80
82	<i>Supplying and fixing 2 modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.</i>	Nos	5.00	154.00	770.00
83	<i>Supplying and fixing 3 modules, GI box alongwith modular base & cover</i>	Nos	6.00	162.80	976.80

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	<i>plate for modular switches in recess etc as required.</i>				
84	<i>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.</i>	Nos	15.00	357.28	5359.20
85	<i>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.</i>	Nos	22.00	275.44	6059.68
86	<i>Supplying and fixing call bell suitable for single phase, 230 volts, complete as required.</i>	Nos	3.00	53.68	161.04
87	<i>Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.</i>	Nos	5.00	92.40	462.00
88	<i>Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.</i>	Nos	10.00	88.00	880.00
89	<i>Installation, testing and commissioning of wall bracket / ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.</i>	Nos	10.00	51.04	510.40
90	<i>ITC exhaust fan up to 450 mm sweep including making hole to suit the size of the above fan, making good the damage, as required.</i>	Nos	2.00	197.12	394.24
91	<i>Total Estimated Amount excluding GST in Rs.</i>				618894.75
92	<i>Percentage Above(+)/ Below(-) at par S. No.91</i>				

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93	Total Quoted Amount after applying percentage (S. No. 92) excluding GST in Rs.	
94	Amount of GST @% in Rs.	
95	Total Amount inclusive of GST in Rs.	

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