



कर्मचारी राज्य बीमा निगम, आदर्श अस्पताल
Employees' State Insurance Corporation
REGIONAL OFFICE: NORTH EASTERN REGION,
BAMUNIMAIDAN, GUWAHATI-21.

(श्रम एवं रोजगार मंत्रालय, भारत सरकार)

(Ministry of Labour & Employment, Govt. of India)
ISO 9001-2008 CERTIFIED, Website: www.esicner.in
Phone No.0361-250357 Fax No.0361-2650522.



No.432-W.11/3/2011-12 Constr.

Dt. 05.09.2017

E-TENDER

Sub: Annual Repair and Maintenance Works of residential & non- residential buildings (Civil & Electrical) at ESIC Regional Office, Bamunimaidan, Guwahati for the year 2017-18.

The **Additional Commissioner. & Regional Director**, ESIC Regional Office, Bamunimaidan, Guwahati invites e-tender under two bid System (Technical & Price) for providing the below mentioned work.

Name of work	Annual Repair and Maintenance Works of Residential & Non-Residential Buildings (Civil & Electrical) at ESIC Regional Office Premises, Bamunimaidan, Guwahati-21.
Estimated tender value	Rs. 44.64 Lac approx.
Period of contract	One year
Period for submission of e-Tender form	From 05.09.17 to 26.09.17 upto 2:00 PM
Date & Time of Opening of e-Tender	26.09.17 at 2:30 PM
Bid Security / Earnest Money to be sent through Post/Delivered in hand	EMD Rs. 90,000/- (Rupees Ninety thousand)
Performance security / Security Deposit Money	A sum equivalent to 5% of bid value

INSTRUCTIONS FOR E-TENDERING

All vendors/contractors are required to procure Class-IIIB Digital Signature certificate (DSC) with Both DSC Components i.e. Signing & Encryption to participate in the E-Tenders.

- a. Vendor should get **registered** at <https://esictenders.eproc.in>
- b. Vendor also needs to submit **Bid Processing Fee charges of Rs.2495/-** (non-refundable) in the form of Demand Draft from any scheduled bank, in favor of **M/s C1 India Pvt. Ltd. Payable at New Delhi** for participating in the Tender.
- c. Vendor needs to submit the Demand Draft for bid Processing Fee at the under mentioned Registered Address for successful submission of Tender, failing which, the vendor will not be able to participate in the e- tender. Along with the Demand Draft, vendor needs to send a covering letter mentioning about the payment details, company name, address, payment towards ESIC Bid Processing Fees (mention the Tender ID and Tender Title) at the under mentioned address, **one day before the due date and time of bid submission:**

Kind Attn: MrMohitChauhan

**C1 India Pvt. Ltd., 301, Gulf Petro Chem Building, 1st Floor,
UdyogVihar, Phase - 2, Gurgaon, Haryana- 122015**

Note: Payment will be approved only after physical receipt of Demand Draft.

- d. The vendor also needs to mention his company name, address, ESIC Bid Processing fees mentioning the Tender ID and Tender Title (at the back side of the Demand Draft of Rs. 2495/-).
- e. Vendors also need to send the scanned copies of Demand Draft to mohit.chauhan@c1india.com mentioning their Company Name, Address, Tender ID and Tender Title for approval of Bid Processing Fees at the back side of Demand Draft.
- f. The bid can be uploaded **up to 2:00 PM on dated 26.09.17** and any bid upload after the prescribed time shall not be considered irrespective of rates. The bid will be opened on the same dated i.e. on **26.09.17 at 2:30 PM.**
- g. The Bidder should carefully read, understand and seek clarifications if any before uploading the bid. No claim whatsoever will be entertained for any alleged ignorance thereof.

FOR ESCALATIONS CONTACT

Name	Email
1. Mr.AshishGoel	ashish.goel@c1india.com
2. Mr.NimeshBhardwaj	nimesh.bhardwaj@c1india.com
3. Mr.AchalGarg	achal.garg@c1india.com

S.No	NAME	EMAIL	PHONE NO
1	Mr.Elavarasan Raghunathan	elavarasan.raghunathan@c1india.com	+91-022-66865600/10/11/ +91-8655995550
2	Ms. Anjali Thombare	anjali.thombare@c1india.com	+91-022-66865600/10/11
3	Mr. Vijay Kalra	vijay.kalra@c1india.com	+91-0124-4302034/ +91-9711770455
4	Mr.Ashish Kumar	ashish.kumar@c1india.com	+91-0124-4302034/ +91-9971556555
5	Mr.SauravGautam	saurav.gautam@c1india.com	+91-0124-4302037/ +91-9911874555
6	Mr.ParthaGhosh	partha.ghosh@c1india.com	+91-8811093299
7	Mr.MohitChauhan	mohit.chauhan@c1india.com	+91-124-4302033

INSTRUCTION TO THE TENDERERS.

THE TENDERER IS REQUESTED TO UPLOAD THE FOLLOWING DOCUMENTS AT THE TIME OF UPLOADING OF TENDER DOCUMENT WITHOUT WHICH THE TENDER WILL BE REJECTED.

LIST OF DOCUMENTS	
1	Scanned and signed tender document
2	Copy of ESI Registration
3	Copy of EPF Registration
4	Copy of registration of GST
5	Copy of certificate of incorporation of firm/company.
6	Copy of license to carry out Electrical works
7	Copy of Contractor License.
8	Copy of PAN card.
9	Documents in support of contracts fulfilled in last 5 years along with their values in support of the experience.

1. The interested bidders should submit the tender through online only at <https://esictenders.eproc.in> from **05.09.2017 to 26.09.2017 upto 2.00 pm.**
2. The tender document can be obtained by downloading it in pdf format from www.esic.nic.in and www.esicner.in In addition to e-tender which has to be filled online, the bidder also shall be required to file hard copies of Tender documents duly completed along with Earnest Money Deposit (EMD) and supported by requisite documents and the forms.
1. The amount of **EMD Rs 90,000/- (Rupees Ninety thousand only)** in the form of DD / Banker Cheque in the name of **ESIC Account No. 1** Earnest Money along with hard copy of tender documents duly completed must be sent by Speed Post/delivered in hand so as to reach on and before the closing date and time of the tender to the following address - **“The Additional Commissioner & Regional Director, ESIC Regional Office, Bamunimaidan, Guwahati-781021 “**. At the top of the cover, the following words should be written **“Annual Repair and Maintenance Works at ESIC Regional Office premises including Residential Staff Quarters.”**
2. The site for the work can be seen on any working day during office hours by contacting Caretaker, ESIC Regional Office, Bamunimaidan, Guwahati, Assam.
3. The Competent Authority of ESIC, reserve the right to accept or reject any tender or all tenders without assigning any reason.
4. Conditional tender is liable to be rejected.
5. The tender for the work shall remain open for acceptance for a period of sixty days (60) from the date of opening of tender.
6. The EMD of unsuccessful tenders shall be refunded within one month after the award of work to the successful tender.

7. Rates quotes shall be firm and fixed and are inclusive of cost of manpower, material, machinery tools, plant, etc. all taxes (including GST), duties and levies, insurance etc. no escalation of whatsoever nature shall be payable.

8. Eligibility Criteria:

- I. The tenderers should have minimum three years' experience in the last five years as on **31-08-17** in central/state Govt. /PSU of Annual Repair & maintenance or of similar nature. Similar nature means works related to repair & maintenance, renovation and construction of building including electrical works and plumbing works.
- II. The tenderer should have one of the following works.
 - (a) The tenderers should have successfully completed similar works of value not less than Rupees **35.71 Lakhs** (Equal to 80% the value of work to be executed).
 - (b) Two similar work of value not less than Rupees **26.78Lakhs** (equal to 60% the value of work of to be executed).
 - (c) Three similar works of value not less than Rupees **17.86Lakhs** (Equal to 40% the value of work to be executed).
- III. The tenderers should have minimum in house manpower to cover requirements of Format III.
- IV. The successful tenderer would be required to establish its office within the site of the work in the space provided by the ESIC.

9. Evaluation of Technical Bids:

Bids received and found valid will be evaluated by the ESIC to ascertain the best evaluated bid for the complete work/service under the specifications and documents. The tender should take care to submit all the information sought by the ESIC in prescribed formats.

Firms relevant experience and strength – Profile of agency; registration details including Contract License, copy of PAN card, GST, EPF, ESIC, etc.; experience of similar works.

Financial Bids:

The financial bid of the tenderers, whose technical bids are found to be suitable, will be opened in the presence of the tenderers, who choose to attend the opening of financial bid. Minimum two- days' notice will be given to tender for this purpose.

10. Award of Work:

- I. The selection of the agency will be at the sole discretion of the ESIC who reserves its right to accept or reject any or all the proposals without assigning any reason.
- II. The Contract for the Annual Repairs and Maintenance shall be awarded to the qualified responsive tenderer who has quoted lowest.
- III. Upon evaluation of offers the notification on award of contract will be intimated to the successful tender.

11. Delay / Late tenders for whatever be the reason will summarily be rejected.

GENERAL CONDITIONS OF CONTRACT

Definitions and interpretation

1. Definitions

- (a) In the contract (as hereinafter defined) the following words and expressions shall have the meanings, hereby assigned to them except where the context otherwise requires:
- i) "Employer" means the ESIC and the legal successors in title to ESIC Regional Office, Bamunimaidan, Guwahati, Assam.
 - ii) "Engineer" means the person appointed by ESIC to act as Engineer for the purposes of the Contract.
 - iii) "Contractor" means an individual or firms (proprietary or partnership) whether incorporated or not, that has entered into contract (with the employer) and shall include his/its heirs, legal representatives, successors and assigns. Changes in writing and approval obtained for continued performance of the contract.
- b)
- i) "Contract" means the conditions, the Specification, the Bill of Quantities, the Tender, the Letter of acceptance, the Contract Agreement (if completed) and such further documents as any be expressly incorporated in the Letter of Acceptance of Contract Agreement (if completed).
 - ii) "Specification" means the specifications of the Works, includes in the Contract and modification thereof.
 - iii) "Drawings" means all the completion drawings, calculations and technical Information of a like nature provided by the Engineer to the Contractor Under the Contract and all drawings, calculation, samples, patterns, Models Repair and Maintenance manuals and other Technical Information of a like nature by the Contractor and approved by The Engineer.
 - iv) "Bill of quantities" means the priced and completed bill of quantities forming part of the Tender.
 - v) "Tender" means the Contractor's priced to the Employer for the execution and completion of the Works and the remedying of any defects therein in accordance with the provision of the Contract, as accepted by the words "Tender Documents" with "Bidding Documents"
 - vi) "Letter of Acceptance" means the formal acceptance of the tender by ESIC"
 - vii) "Contract Agreement" means the contract agreement (if any) referred to in (b) (i) above.
 - viii) "Appendix to tender" means the appendix comprised in the form of Tender annexed to these Conditions.
- c) i) "Commencement Date" Means the date upon which Contractor receive the notice to commence the works.

- ii) "Time for Completion" means the time period for which the contract of Repair and Maintenance has been awarded by the employer to the contractor.
- d) "Taking over Certificate" means a certificate issued by employer evidencing successful completion of the awarded work.
- e) i) Contractor Price means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works and the remedying of any defects therein in accordance with the provision of the Contract.
ii) "Retention Money" means the aggregate of all monies retained by the Employer.
- f) i) "Works" means the Permanent Works and the Temporary Works or either of them to be executed in accordance with the contract.
ii) "Site" means the places provided by the Employer for Repair and Residential Maintenance of ESIC Regional Office, Bamunimaidan, Guwahati Premises including all quarters.
iii) "Cost" means all expenditure properly incurred or to be incurred, whether on or off the Site, including overhead and other charges but does not include any allowance or profit.

2. Engineer's Duties and Authority

The Engineer shall carry out the specified duties in the contract.

3. Custody and Supply of Drawings and Documents

The Drawings shall remain in the sole custody of the Employer/ Engineer, but copies as required thereof shall be provided to the Contractor, free solely for the purpose of this contract.

4. Sufficiency of Tender

The Contractor shall be deemed to have based on his Tender on the data made available by the Employer and on his own inspection and examination of this site conditions.

5. Contractor's Employees

The Contractor shall provide on the Site qualified and experienced technical staff in connection with the Repair and Maintenance of the Works and the remedying of any defects therein.

6. Engineer at Liberty to Object

The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the Works provided by the Contractor who, in the opinion of the Engineer, misconducts himself, or is incompetent, negligent in the proper performance of his duties, or whose presence on Site is otherwise considered by the Engineer to be undesirable, and such person shall not be again allowed upon the Works without the consent of the Engineer. Any

person so removed from the Works shall be replaced as soon as possible by a qualified person approved by the Engineer.

7. Safety, Security and Protection of the Environment

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:

- i) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the employer) in an orderly state appropriate to the avoidance of danger to such persons, and
- ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constitute authority for the protection of the works or for the safety and convenience of the public or others, and
- iii) Take all reasonable steps to protect the environment on and of the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods or Repair.

Insurance of work by the Contractor for his liability:

- (i) During the Repair and Maintenance period for loss or damage to property and life arising from a cause for which contractor is responsible.
- (ii) For loss or damage occurred by the Contractor in the Course of any Repairs carried out by him for the purpose of complying with his obligations, it shall be the responsibility of contractor to notify the insurance Company of any damage in the nature and extend of the works and to ensure the adequacy of the Insurance cover at all times during the period of contract.

iv) Damage of Persons and Property

The Contractor shall, except if and so far as the contract provides otherwise, indemnify the Employer against all losses and claims in respect of:

1. death of or injury to any person, or
2. loss or damage to any property (other than the works)

Which any out of or in consequence of the Repair and Maintenance of the works and the remedying of any defects therein, and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof.

v) Accident or injury to Workmen:

The Employer shall not be liable for or in respect of any damages or compensation payable to any workman for death or injury resulting from any act or default of the contractor. The Contractor shall indemnify and keep indemnified the Employer against all such damages and compensation and expenses whatsoever in respect thereof or in relation thereto.

vi) Evidence and Terms of Insurance

The Contractor shall take out appropriate insurance to cover his work and workers and staff employed by him fully. The contractor shall provide evidence to the Engineer/ Employer as soon as practicable after the respective insurance have taken out but in any case prior to the start of work at the Site that insurance required under the Contract have affected.

vii) Compliance with Statutes, Regulations

The Contractor shall confirm in all respects, including by the giving of all Notices and the paying of all fees with the provision of:

- (a) Any National or State Statute, Ordinance, or other Law, or any regulation, or bye-law of any local or other duly constituted authority in relation to the execution and completion of the Works and the remedying of any defects therein and
- (b) The rules and regulation of all public bodies and companies whose property or rights are affected or shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such provision.
- (c) Any changes required for approval due to revision of the local laws.

viii) Time for completion

The Repair and Maintenance work shall be for a period of one year or as mentioned in the letter of commencement and shall start from the date of issue of letter of commencement and shall stand terminated after the expiry of one year.

ix) Extension of Time for Completion

The Repair and Maintenance contract may be extended on the written mutual consent of both Employer and Contractor for a further period of not more than one year. However, Employer reserves its right to terminate the Repair and Maintenance contract by giving 15 days' notice at any time during the currency of the contract if the services of the agency are not satisfactory as per the opinion of employer or its representatives.

x) Defect Identification and its rectifications

The Contractor shall immediately attend the defects and complaints noticed at site. The Contractor shall provide and develop a system for regular Repair and Maintenance of all the services which includes defects identifications and its immediate rectification, so that the service is not affected. It shall be the sole responsibility of the Repair and Maintenance agency that all the services are kept in functional condition round the clock during the currency of the contract.

Defect Liability period shall be 12 months from the date of commencement of work under BOQ measurable works. The Contractor shall rectify at his own expenses any defect in the work carried out by him during this period. On

failure of the contractor to do so, the same shall be completed by the employer at the expenses of the contractor.

xi) Liquidated Damages for Delay

If the Contractor fails to attend any complaint or defect in due course of time and in the opinion of engineer delay is on the part of Repair and Maintenance agency the employer can impose liquidated damages on the contractor as detailed in the particular conditions.

xii) Contractor's Failure to Carry out Instruction

In case of default on the part of the Contractor in carrying out rectification works, the Employer/ Engineer shall be entitled to employ and pay other persons to carry out the same and if such work, in the opinion of the Engineer, the Contractor was liable to do at his own cost under the Contract, then all Consequent thereon or incidental thereto shall be determined by the Engineer and shall be recoverable from the Contractor by the Employer from any monies due or to become due to the Contractor.

xiii) Instructions for Variations

Quantities given in the BOQ are estimated quantities. The quantity of any particular item may vary to any extent. The payment shall be made as per actual execution of work and within the sanction power of competent authority.

MEASUREMENT

xiv) Works to be Measured for BOQ items

The Engineer shall determine by measurement of the value of actual work done in accordance with the Contract and the Contractor shall be paid proportionately. Part rate shall be made for any part of BOQ items not fully executed. Engineer shall be allowed to decide the break-up of lump sum items and to decide the part rate of any particular item.

In case overtime working of staff under item No -1 required specific instructions of the engineer is to obtained payment shall be made at applicable overtime rates.

xv) Method of Measurement

The works shall be measured net, notwithstanding any general or local custom, except where otherwise provided in the Contract.

CERTIFICATES AND PAYMENTS

xvi) Monthly Statements

The Contractor shall submit a bill (properly spiral) in 3 copies to the Engineer by 7th day of each month for the work executed up-to end of previous month in tabulated form approved by the Engineer, showing the amounts to which the Contractor considers himself to be entitled. The bill must have supported with the following documents-

- (a) Attendance sheets along with salary, certificates, wages sheets of all the workers and staffs deployed.
- (b) Certified bills /voucher of miscellaneous materials purchased under different heads.
- (c) Details of defects/ complaints attended and rectified within time.
- (d) Details of complaints attended late.
- (e) Test certificates of materials used and tests carried out for quality control as required by the specifications and the Engineer.
- (f) EPF/ESI deposit challan and ECS copy must be submitted along with the bills.

xvii) Deduction of Income Tax

The amount to be deducted towards the advance income tax shall be at the rate applicable.

xviii) Monthly Payments

The Contractor shall submit monthly bill (**properly binding**) complete in all respects by the 7th day of each month.

xix) Performance Guarantee

Within two weeks of award of work, the Contractor shall submit a Performance Security for proper performance of the contract in the format enclosed as Enclosure III.

The performance guarantee shall be valid for the duration of the contract period plus 60 days.

The performance security can be encased by the Employer to recover any amount for a cause arising out of the contract.

xx) Correction of Certificates

The Engineer may be any Interim Payment certificate makes any correction or modification in any previous Interim Payment Certificate which has been issued by him, and shall have authority, if any work is not being carried out to his satisfaction, to omit or reduce the value of such work in any Interim Payment Certificate.

xxi) Final Certificate

Within 28 days after receipt of the Final Statement, and the written discharge, the Engineer shall issue to the employer (with a copy to the Contractor) a Final Certificate stating:

- (a) The amount which, in the opinion of the Engineer, is finally due under the Contract, and
- (b) After giving credit to the Employer for all amounts previously paid by the Employer and for all sums to which the Employer is entitled under the contract.

xxii) Default of Contractor

If the performance of the contract and is not satisfactory and not corrected within 15 days of receiving notice, then employer shall be at liberty to terminate the contract and get the work executed through other means at the works.

xxiii) Amicable Settlement of Dispute

The party shall use their best efforts to settle amicably all disputes arising out of or in connection this contract or the interpretation thereof.

xxiv) Arbitration

Any dispute and differences relating to the meaning of the specification, designs, drawings and instructions herein before mentioned and as to the quality of workmanship of materials used in the work or as to any other question, claim right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, concerning the works or the executions or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof in respect of which:-

Amicable settlement has not been reached.

Shall be referred to the sole Arbitration of the chief Engineer, ESIC who shall proceed as per the Arbitration Act, 1996.

The work under the contract shall continue, during the Arbitration proceedings. The award of the Arbitration shall be final, conclusive and binding on both the parties.

PARTICULAR CONDITIONS OF CONTRACT

- CPWD specification shall be followed. Where not available, BIS/ Engineering practice as directed by the regular Engineer of ESIC shall be followed.
- Complaints shall be made in the format (Enclosure-I)
- A complaint register (format at Enclosure -II) shall be maintained in the Repair and Maintenance office of the contractor in which all complaints received shall be documented.
- All Repair and Maintenance related complaints shall be attended to within two hour failing which a recovery of Rs. 100 per event per hour shall be made from the subsequent payment certificate of the contractor.
- The Sweeper man shall ensure that all lines are maintained in a clean condition by carrying out preventive cleaning of all lines at least once each month.
- As the work will have to be carried out in building and area in use the contractor shall ensure: -
 - (a) That the normal functioning of ESIC activity is not effected as far as possible.
 - (b) That the work is carried out in an orderly manner without noise and obstruction to flow of traffic.
 - (c) That all rubbish etc. is disposed off at the earliest and the place is left clean and orderly at the end of each day's work.
 - (d) The contractor shall ensure that his Repair and maintenance staff is qualified and licensed for their part of work. He shall be responsible for their conduct. The staff should behave in a courteous manner. The contractor shall be held responsible for loss or damage to ESIC property.
 - (e) The contractor shall ensure safety of his workers and other at site of work and shall be responsible for any consequence arising out of execution of the Repair and Maintenance work.
 - (f) When instructed to do so, the contractor shall ensure proper record keeping and storing of irreparable/ dismantled material.
 - (g) Water and electricity shall be made available free of cost at nearby source of work. The contractor has to make his own arrangement for use of the same including drawing temporarily lines etc. The responsibility for following relevant rules, regulations and laws in this regards shall be entirely that of the contractor.
 - (h) Contractor shall maintain material consumption register.
 - (i) Quantities mentioned in the BOQ are tentative. The payment shall be made for actual quantities executed at the contract rate.
 - (j) The rate quoted in the tender by the bidders shall be inclusive of taxes/GST and nothing extra shall be paid.

ADDITIONAL PARTICULAR CONDITIONS OF CONTRACT

For the services to be operated and maintained by the contractor for which lump-sum amount have been quoted, the following shall apply:-

Operating and maintenance of AC Plan:

The plant/ Air -conditioners shall be taken over by the contractor after recording the total no. of plan and equipments and Air Conditions in each location and their make, model, running condition etc. The same shall be maintained and run by the Contractor for the contract period providing all required inputs including gas filling, servicing, replacing all spares and defective Components etc. and Including all operational staff and manpower for repairing etc. complete.

After completion of the maintenance period. The same shall be handed over back to ESIC in the same condition in which they were taken over, normal wear and tear accepted.

Horticulture:-

The garden, lawns, potted plant etc. shall be taken over after listing out the same. The same shall be maintained for the contract period. During this period, all inputs like manure, replacement of plant, watering, clearing, weeds, trimming, housekeeping etc. including all material labor and tools, replacement plants etc shall be provided so that the garden is maintaining in a neat and healthy condition. The same shall be handed back to ESIC in such condition at the end of the contract period.

Fire Fighting and Alarm System:-

The systems, equipments etc. shall be taken over recording the details of the fire fighting and alarm system and their running conditions. During the maintenance period, the same shall be maintained by the contractor providing all material, labor and T&P etc. required. The same shall be maintained to the satisfaction of the concerned statutory authorities and clearances obtained from as per requirements. The systems shall be handed over in the same conditions as it was taken over, normal wear and tear accepted.

Operation and Maintenance of Sub-stations, Pumping systems and DG sets etc.:

All the above plant and equipment etc. shall be taken over after recording the complete details of make, date of manufacture etc. including their running conditions. During the contract period, the same shall be operated and maintained by the contractor including supply of all spares, materials, labor, T&P etc. and including consumables like Engine oil, transformer oil etc. complete. The maintenance at the end of the contract Period the equipment/ system shall be handed over back to ESIC, in the condition in which they were over taken over, normal wear tear accepted.

NOTE:

All breakdowns/ faults shall be attended to immediately and rectified promptly.

Only genuine/ original spare shall be used while carrying out the maintenance work.

Any major repair involving overhaul of engine, rewinding of motors, replacement of major components like compressor etc. is excluded from the scope of work and shall be paid for on actual. However, if the repairs/ replacement arise out of negligence of the Contractor or his staff, the same shall be carried out by the Contractor at his own cost. Prior approval of the Engineer is to be taken if any such major repair / replacement is required.

The Contractor shall depute qualified and experienced staff for running and maintenance of the Systems / Equipments.

The Contractor shall follow all instruction conveyed to him by the concerned ESIC officials regarding maintenance of the above.

TECHNICAL BID (PART - A)

Format - I

BRIEF DESCRIPTION OF THE FIRM

(With an outline of the experience of the firm for similar works during last five years)

- (i) **Name of the firm :**
- (ii) **Year of Registration :**
- (iii) **Type of Firm (Individual/ Proprietary / Limited Company or any other):**
- (iv) **In house facility available in following fields:**

Sl. No	Fields	Manpower with more than 10 years experience	Manpower 5 to 10 years experience	Manpower with lesser than 5 years experience
1	Original / Repair Work (Civil)			
2	Laying repairs of Water supply, plumbing & sewerages, drainage etc.			
3	Electrical Works			

Note:

Provide documents of in support of the details provided in the above format, failing which the authenticity of the information may not be accepted.

Format - II

EXPERIENCE OF COMPANY

(Experience of relevant and similar work of construction, pipe laying/ annual repair and maintenance, electrical and plumbing works completed during last five years preceding June 2017.). Use separate sheet for each work.

1	Project Title & Location:	
2	Name of the Client & Address:	
3	Describe area of Participation (Specific work done / services rendered by the applicant).	
4	Period of work Done / Services rendered for the project.	
5	Total Cost of work / AMC cost.	
6	Date of start of the work and the present status.	
7	Any other details	

Note:

Supporting documents like certificates from the client in support of each of the above projects to be furnished.

Format - III

MANPOWER DEPLOYMENT SCHEDULE

A. The following manpower is to be deployed in daily shifts as mentioned against each:

Sl. No	Category	Nos.	Shift Details
1	Electrician cum DG operator(Skilled)	1	Round the clock
2	Plumber(Skilled)	1	Round the clock
3	Mali cum Sewer-man(Unskilled)	1	Round the clock.

Note:

Only licensed / certified electricians / operators shall be deployed. Preferably the other skilled worker deployed shall also be licensed / certified. License of electricians to be enclosed. Other certificates of qualification also to be enclosed. Attendance of above manpower shall be verified by Caretaker.

All the above staff of the contractor shall wear uniform and badges identifying their category and name in English and local language.

COMPLAINT REGISTRATION FORM

Date:

Time:

Nature of Complaint:

Location:

Complainant:

Signature:

Complaint Attended:

Date:

Time:

From

To

Certified that the complaint has been satisfactorily attended.

Contractor Signature:

Complainant Signature:

Note: To be submitted along with running bills.

MAINTENANCE COMPLAINT REGISTER

<u>Sl. No.</u>	<u>Date & Time</u>	<u>Location</u>	<u>Complainant</u>	<u>Nature of complaint</u>	<u>Complaint attended(Date & Time)</u>	<u>Signature of Contractor</u>	<u>Remarks</u>

FINANCIAL BID

SUMMARY

Name of work: Estimate for ARM of Non- Residential and Non- Residential of ESIC Regional Office Premises, Bamunimaidan, Guwahati for the year 2017-18.			
ABSTRACT OF SUMMARY			
Sl. No.	Description	Amount	ANNEXURE
1	ARM WORK(Civil)-Non Residential		ANNEXURE-I
2	ARM WORK(Civil)-Residential		ANNEXURE-II
3	ARM WORK(Electrical)- Residential- DSR-16		ANNEXURE-III(PART-I)
4	ARM WORK(Electrical)- Residential- NON-DSR		ANNEXURE-III(PART-II)
5	ARM WORK(Electrical)-Non- Residential- DSR 16		ANNEXURE-IV (PART-I)
6	ARM WORK(Electrical)- Non - Residential- NON-DSR		ANNEXURE-IV (PART-II)
7	MANPOWER		ANNEXURE-V
9	LUMP SUM ITEMS		ANNEXURE-VI
10	MATERIAL		ANNEXURE-VII
TOTAL			

ANNEXURE-I (CIVIL)

**EMPLOYEES STATE INSURANCE CORPORATION, REGIONAL OFFICE,
NORTH EAST REGION,
BAMUNIMAIDAN, GUWAHATI-781021**

Name of work: Estimate for ARM Work (Civil), Non Residential building of ESIC, Regional Office, Bamunimaidan -21, for the year 2017-18.

REGIONAL OFFICE BUILDING

Sl. No.	DSR-16(Civil)	Description of Items	Qty	Unit	Rate	Amount
1	6.1.1	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement Mortar 1:4 (1 cement: 4 coarse sand)	5.0	Cum		
2	13.43.1	Applying one coat of water thinable cement primer of approved brand and manufacture on wall surface. (Water Thinable Cement Primer)	300	Sqm		
3	14.45.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: Old work (one or more coats)	500	Sqm		
4	14.1.1	Repairs to plaster of 12mm to 20 mm thickness in patches of area 2.5 sqm and under i/e 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 (1 cement : 4 fine sand)	250	Sqm		
5	14.5.1	Renewing glass panes with putty and nails wherever necessary Float Glass panes thickness 4 mm	10	Sqm		
6	14.10	Re-fixing old glass panes with putty and nails.	10	Sqm		
7	14.9	Renewal of old putty of glass panes (length)	50	Metre		

8	14.46	Removing dry or oil bound distemper, by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	500	Sqm		
9	13.1.1	12 mm cement plaster of mix: 1: 4 (1 cement: 4 fine sand).	150	Sqm		
10	14.64.1	Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @2.20 kg/10 sqm) over priming coat of primer applied @0.80 litres/10 sqm complete including cost of priming coat.	800	Sqm		
11	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI,IS:3564, embossed the body, door weight up to 36 kg to 80 kg and door width from 701mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	10	Each		
12	2.10.1	Excavating trenches of required width for pipes, cables, etc. excluding excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, Including consolidating each deposited layer by ramming, watering,etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	250	Metre		
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	100	Metre		
13	9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	10	Each		

14	17.4.2	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
		range of two urinal basin with 5 litre white P.V.C. automatic flushing cistern	6	Each		
15	14.54.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. (One or more coats on old work)	200	Sqm		
16	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	500	Sqm		

	9.118.1	Providing and fixing to existing door frames.24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59 x 24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanized/plastic brackets of size 75 x 220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size 20 x 20 mm and 1 mm ± 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100 x 24 mm and 2 mm ± 0.2 wall thickness fixed to the shutter styles by means of plastic/galvanized M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20mm and 1 mm ± 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	8	Sqm		
17	17.28.2.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia	15	Each		
17A	11.3.1	Cement concrete flooring 1: 2 : 4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.40mm thick with 20 mm nominal size stone aggregate.	50	Sqm		
18	17.35.1.1	Providing and fixing soil, waste and vent pipes 100 mm dia, sand cast iron S&S pipe as perIS:1729.	30	Metre		

19	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing.. This includes jointing of pipe & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the wall etc.				
	18.8.1	15 mm nominal outer dia. Pipes	50	Metre		
	18.8.2	20 mm nominal outer dia. Pipes	80	Metre		
	18.8.3	25 mm nominal outer dia. Pipes	100	Metre		
	18.9.6	50 mm nominal outer dia. Pipes	80	Metre		
20	12.41.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS:13592 Type including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. (i) Single socketed pipes.110 mm diameter.	80	Metre		
21	18.10.5	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (Internal work exposed on wall) 50 mm dia. nominal bore.	60	Metre		
22	18.51.1	Providing and fixing C.P. brass long body bibcock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore.	15	Each		
23		Providing and fixing PTMT stop cock of approved quality and colour.				
	18.55.1	15 mm nominal bore, 86 mm long. Weighing not less than 88 gms.	10	Each		
	18.55.2	20mm nominal bore, 89 mm long. Weighing not less than 88 gms.	10	Each		

24	18.47.1	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: (15 mm nominal bore).	10	Each		
25	9.97	Providing and fixing aluminium tower bolts ISI marked anodized (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:				
	9.97.3	200 x 10 mm	15	Each		
	9.97.3	150 x 10 mm	15	Each		
26	9.100.1	Providing and fixing aluminium handles ISI marked anodized (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).	10	Each		
27	9.101.2	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodized (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. 9.101.2 twin rubber stopper.	20	Each		
28	18.10	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (Internal work)				
	18.10.1	15 mm dia. Nominal bore	30	Metre		
	18.10.2	20 mm dia. Nominal bore	40	Metre		
	18.10.3	25 mm dia. Nominal bore	40	Metre		
29	17.69.1	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm of 79 mm length and 62 mm breadth weighing not less than 45 gms.	10	Each		

30	9.95.1	Providing and fixing ISI marked aluminium butt hinges ISI marked anodized (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 x 75 x 4mm.	20	Each		
31	9.96.1	Providing and fixing aluminium sliding door bolts ISI marked anodized (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: 300 x 16 mm.	15	Each		
32	4.1.3	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level: 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size).	8	Cum		
33	12.1.3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces),excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/m ² .	100	Sqm		
34	17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete. 10 Litre capacity.	4	Each		

35	17.1.1	Providing and fixing water closet squatting pan(Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests.	2	Each		
36	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid.	6	Each		
37	17.7.1	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 630 x 450mm with a pair of 15 mm C.P. brass pillar taps.	8	Each		

38	21.1	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 SI: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt 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 drawing and the directions of Engineering-charge. (Glazing and panelling to be paid for separately): Anodised aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15) 63.50 mm x 38.10 mm x 50mm (Aluminium section)	200	Kg		
39	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc with PVC/ 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.	30	Sqm		
40	21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	20	Each		
41	18.62.3	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy-coated aluminium rod with L.P/H.P.H.D. plastic ball 25 mm nominal bore, 120 mm long. Weighing not less than 198 gms.	10	Each		

42	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm nominal bore.	10	Each		
43	15.44.1	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.	50	Metre		
44	18.48A	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI:12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (3 nos.of 1000 ltr, capacity = 3000)	3000	Per Litre		
45	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	10	Cum		
46	15.2.1	Demolishing cement concrete manually by mechanical means including disposal of material within 50 meters lead as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mixed (including equivalent design mix).	5	Cum		
47	11.41.2	Providing and laying vitrified tiles in different sizes (thickness to be specified by manufacturer) with water absorption less than 0.08% and conforming to IS 15622, of approved make, in all colours and shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) including grouting the joint with white cement and matching pigments etc. complete. Size of tile 600 ×600 mm.	50	Sqm		

48	11.37	Providing and laying rectified glazed ceramic floor tiles of size 300 × 300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622, of approved make, in all colours, shades, except 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 pigments etc., complete.	70	Sqm		
49	11.36	Providing and fixing 1st 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.	50	Sqm		
50	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and pre-polished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	8.2.2	Granite of any colour and shade				
		Area of slab upto 0.50 sqm	10	sq.m		
51	17.31	Providing and fixing 600x450 mm bevelled 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	2	each		

52	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	5	each		
53	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
54	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness.	5	each		
55	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	400	sq.m		
Total						

ANNEXURE-II

EMPLOYEES STATE INSURANCE CORPORATION, REGIONAL OFFICE, NORTH EAST REGION, BAMUNIMAIDAN, GUWAHATI-781021

Name of work: Estimate for ARM Work (Civil), Residential building of ESIC, Regional Office, Bamunimaidan -21, for the year 2017-18

STAFF QUARTER						
Sl. No.	DSR-16 (Civil)	Description of Items	Qty	Unit	Rate	Amount
1	6.12.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in: Cement mortar 1:4 (1 cement: 4 coarse sand)	50	Sqm		
2	6.1.1	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement Mortar 1:4 (1 cement: 4 coarse sand)	10	Cum		
3	19.33	Constructing soak pit 1.20 x 1.20 x 1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	10	Each		
4	17.35.1.1	Providing and fixing soil waste and vent pipes 100 mm dia. Sand cast iron S & S pipe as per IS: 1729.	100	Metre		
5	17.36.2	Providing and filling the joints with spun yarn cement slurry and cement 1:2 (1 cement: 2 fine sand (in S.C.I./C.I. Pipes. (100 mm dia pipe)	100	Each		
6	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	17.38.1.1	100 mm dia sand cast iron S & S as per IS-1729.	50	Each		
	17.38.1.2	75 mm dia sand cast iron S & S as per IS-1729.	50	Each		
7	17.37	Providing and fixing M.S. holder-bat clamps of approved design to sand cast iron/ cast iron (spun) pipe embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100 mm dia pipe	30	Each		
	17.35.2	For 75 mm dia pipe	30	Each		

8	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipe & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the wall etc.				
	18.8.1	15 mm nominal outer dia. Pipes	200	Metre		
	18.8.2	20 mm nominal outer dia. Pipes	150	Metre		
	18.8.3	25 mm nominal outer dia. Pipes	170	Metre		
	18.9.6	50mm nominal outer dia Pipes.	250	Metre		
9	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacture) 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 12mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	100	Sqm		
10	10.25.1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	100	Kg		
11	12.41.2	Providing and fixing on wall face un-plasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. (i) single socketed pipes (110 mm diameter).	50	Metre		
12	14.5.1	Renewing glass panes with putty and nails wherever necessary Float Glass panes thickness 4 mm	80	Sqm		
13	14.9	Renewal of old putty of glass panes (length)	100	Metre		

14	17.7.3	Providing and fixing wash basin with C.I.brackets, 15mm 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 550 x 400 mm with a pair of 15 mm C.P. brass pillar taps.	10	Each		
15	17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. (10 litre capacity-White).	15	Each		
16		Providing and fixing G.I. pipes complete with G.I. fittings and clamps including cutting and making good the walls etc. (Internal work- Expose on walls).				
	18.10.1	15 mm dia. Nominal bore	50	Metre		
	18.10.2	20 mm dia. Nominal bore	50	Metre		
	18.10.3	25 mm dia. Nominal bore	50	Metre		
17	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI:12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.(5 Nos of 750 ltrs, capacity= 3750 ltrs.).	3750	Litre		
18	18.15	Providing and fixing brass bib cock of approved quality :				
	18.15	15mm nominal bore	30	Each		
	18.15	20mm nominal bore,	30	Each		
19		Providing and fixing PTMT stop cock of approved quality and colour.				
	18.55.1	15 mm nominal bore	25	Each		
	18.55.2	20mm nominal bore,	25	Each		
20	18.47.1	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: (15 mm nominal bore).	20	Each		
21	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering- All work up to plinth level:				
	4.1.3	1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	10	Cum		

22	14.1.1	Repairs to plaster of thickness 12mm to 20 mm in patches of area 2.5 sq. meters and under including cutting the patching proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50meters lead: (with cement mortar 1:4 (1 cement: 4 fine sand)).	350	Sqm		
23	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: (a) White Vitreous china pattern W.C. pan of size 580 x 440 mm with integral type foot rests.	5	Each		
24	17.28.2.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. (40 mm dia).	10	Each		
25	17.73.1	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. (450 mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighting not less than 170 gms.	2	Each		
26	17.31	Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	10	Each		
27	14.2	Fixing chowkhats existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal (size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead:				
	14.2.1	Door chowkhats.	5	Each		
	14.2.2	Window chowkhats.	5	Each		
	14.2.3	Clerestory window chowkhats.	5	Each		

28	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meter lead: (of area 3 sq. meters and below.	10	Each		
29	15.42.2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 meters lead: (100 mm dia pipe).	20	Metre		
30	9.96.1	Providing and fixing aluminium sliding door bolts ISI marked anodized (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. (300 x 16 mm).	15	Each		
31	9.97	Providing and fixing aluminium tower bolts ISI marked anodized (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:				
	9.97.3	200 x 10 mm	15	Each		
	9.97.4	150 x 10 mm	15	Each		
32	9.95.1	Providing and fixing ISI marked aluminium butt hinges ISI marked anodized (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 x 75 x 4mm.	15	Each		
33	9.81.1	Providing and fixing bright finished brass handles with screws etc. complete: (125 mm).	10	Each		
34	21.3.1	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.	20	Sqm		
35	11.3.1	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. (40 mm thick with 20 mm nominal size stone aggregate.	200	Sqm		

36	18.77	Cutting holes up to 15 x 15 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.	5	Each		
37	15.2.1	Demolishing cement concrete manually by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-Charge. (1:3:6 or richer mix).	10	Cum		
38	15.3	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	2	Cum		
39	15.7.4	Demolishing brick work manually by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge. (In cement mortar).	5	Cum		
40	15.44.1	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).	40	Metre		
41	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	50	Sqm		
42	15.52	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	5	Each		

43	9.118.2	Providing and fixing to existing door frames.24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59 x 24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanized/plastic brackets of size 75 x 220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size 20 x 20 mm and 1 mm ± 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100 x 24 mm and 2 mm ± 0.2 wall thickness fixed to the shuttle styles by means of plastic/galvanized M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20mm and 1 mm ± 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	15	Sqm		
44	18.56.1	Providing and fixing PTMT pillar cock of approved quality and colour. 15mm nominal bore, 107 mm long, weighing not less than 110 gms.	10	Each		
45	18.64	Providing and fixing PTMT swivelling shower, 15mm nominal bore. Weighing not less than 40 gms.	5	Each		
46	18.65	Providing and fixing soap Dish Holder having length of 138mm, breadth 102mm, height of 75 mm with concealed fitting arrangements Weighing not less than 106 gms.	5	Each		
47	17.70.1	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.	5	Each		
48	17.69.1	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31mm of 79mm length and 62mm breadth weighing not less than 45 gms.	10	Each		

50	9.100.1	Providing and fixing aluminium handles ISI marked anodized (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)	10	Each		
51	18.47	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work)				
	18.47.1	15 mm nominal bore	15	Each		
	18.47.2	20 mm nominal bore	15	Each		
	18.47.3	25 mm nominal bore	20	Each		
52	18.19.1	Providing and fixing gun metal non-return valve of approved quality (screwed end):				
	18.19.1.1	25 mm nominal bore (Horizontal)	3	Each		
	18.19.1.2	25 mm nominal bore (Vertical)	3	Each		
53	9.21.1	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.	30	Sqm		
54		Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7	Thermo-Mechanically Treated bars.	50	Kg		

55	21.1.1.1	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 SI: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt 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 drawing and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately): Anodised aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15) 63.50 mm x 38.10 mm x 50mm (Aluminium section).	200	Kg		
56	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc with PVC/ 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.	20	Sqm		
57	21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	10	Each		
58	18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P/H.P.H.D. plastic ball.				
	18.62.1	15 mm nominal bore, 105 mm long. Weighing not less than 138 gms	15	Each		
	18.62.2	20 mm nominal bore, 120 mm long. Weighing not less than 198 gms.	15	Each		
59	2.1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5 m, disposed earth to be leveled and neatly dressed. All kinds of soil	15	Cum		

60	11.1.1	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:				
		1:4 (1 cement: 4 coarse sand)	20	Sqm		
61	13.43.1	Applying one coat of water thinable cement primer of approved brand and manufacture on wall surface:				
		Water thinnable cement primer	1500	Sqm		
62	14.45.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade:				
		Old work (one or more coats)	1500	Sqm		
63	14.46	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	1500	Sqm		
64	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	500	Sqm		
65	14.65	Finishing walls with textured exterior paint of required shade:				
		Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	700	Sqm		
66	14.54.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	200	Sqm		
67	11.39	Providing and laying rectified glazed ceramic floor tiles of size 300 × 300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622, of approved make, in all colours, shades, except 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 while cement and matching pigments etc., complete.	90	Sqm		

68	11.41.2	Providing and laying vitrified tiles in different sizes (thickness to be specified by manufacturer) with water absorption less than 0.08% and conforming to IS 15622, of approved make, in all colours and shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) including grouting the joint with white cement and matching pigments etc. complete. Size of tile 600 ×600 mm	100	Sqm		
69	22.8.1	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self-finished bitumen felt)and fourth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic decimetre per square metre,including preparation of surface but excluding grading complete with :Bitumen felt (hessian base) type 3 grade I conformingto IS : 1322	500	Sqm		
70	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight up to 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	3	each		
71	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight up to 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	3	each		

72	12.19	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat. With common burnt clay FPS (non-modular) brick tiles of class 10.	30	Sqm		
73	18.33.1	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve,with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
		With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 each	12	each		
TOTAL						

(ELECTRICAL)
STAFF QUARTER, REGIONAL OFFICE, BAMUNIMAIDAN (DSR-ITEMS)

Estimate for AR&M Work (Electrical) in Staff Quarter at ESIC Regional Office, Bamunimaidan, for the year 2017-18. The Estimate prepared as per DSR-2016 and APWD SOR (Electrical) 2013-14 for the year 2017-18						
Sl. No.	DSR'16 (Elect.) & APWD SOR 13-14	Description of Items	Unit	Qty	Rate as per DSR-16(Elect.) & APWD SOR 13-14	Amount
1	1.15 RW	Point Re-wiring : Rewiring for light point/fan point/Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core and 1.5 sq FR PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.				
	1.15.1	Group A	Point	10		
	1.15.2	Group B	Point	10		
2	1.17 WGE C	Wiring in existing conduit : Supplying and drawing following size of FR PVC insulated copper conductor single core cable in the existing surface/recessed steel/PVC conduit as required.				
	1.17.2	2 x 1.5 sq mm	Mtr.	50		
	1.17.20	2 x 4.0 sq.mm	Mtr.	50		
	1.17.29	2 x 6.0 sq. mm	Mtr.	20		
3	1.21 PVC CON	S/F PVC Conduit : Supplying and fixing of following size of PVC conduit along with accessories in surface/recess including cutting the wall and making good the same as the case of recessed conduit as required.				
	1.21.1.2	20 mm	Mtr.	50		
	1.21.2	25 mm	Mtr.	50		
4	1.23 PTSWEB	S/F Piano Type Switch : Supplying and fixing of following piano type switch/socket on the existing switch box/cover i/c connections as required.				
	1.23.1	5/6 amps Switch	Each	15		
	1.23.3	15/16 amps Switch	Each	15		
	1.23.4	3 pin 5/6 amp socket outlet	Each	15		
	1.23.5	6 pin 15/16 amp socket outlet	Each	15		
5	1.33 CREB	S/F Ceiling Rose : S/F 3 pin, 5 amp ceiling rose on the existing junction box/wooden block i/c connection etc. as required.	Each	10		

6	1.34 BRHOLD	S/F brass holder : S/F brass batten/angle holder i/c connection etc. as required.	Each	10		
7	1.41 ITC FFSOR	ITC Florescent fitting Directly on surface : Installation, testing and commissioning of pre wired fluorescent fitting/compact florescent fitting of all types, complete with accessories and tube etc. directly on ceiling/wall i.c. connection with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing etc. as required.	Each	10		
8	1.44 ITCCF	ITC Ceiling Fan : Installation, testing and commissioning of ceiling fan i/c wiring the down rods of standard length (up to 30 cm) with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing etc. as required.	Each	10		
9	1.12 WG PVCP P2	Power plug wiring in PVC conduit (2 x 4 sq mm) : Wiring for light/power plug with 2 x 4 sq mm FR PVC insulator copper conductor single core cable in surface/recessed PVC conduit along with 1 no. 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	30		
10	1.14 WG PVCSB	Circuit/sub-main wiring in PVC conduit : Wiring for circuit/sub-main wiring along with earth wire with the following size of PVC insulated copper conductor single core cable in surface/recessed PVC conduit required.				
	1.14.2	2 x 2.5 sq mm + 1 x 2.5 sq mm earth wire	Mtr.	50		
	1.14.3	2 x 4 sq mm + 1 x 2.5 sq mm earth wire	Mtr.	40		
	1.14.3	2 x 6 sq mm + 1 x 2.5 sq mm earth wire	Mtr.	30		
11	2.3 SPMCB DB	S/F SPMCB DB : S/F following way single pole and neutral, sheet steel MCB distribution Box 240 holes on surface/recess, complete with tinned copper busbar, neutral busbar, earth bar, Din bar detachable gland plate interconnection, phosphatized and powder painted i/c earth etc. as required (but without MCB/RCCB/Isolator).				
	2.3.1	2 + 4 way, Double door	Each	3		
	2.3.2	2 + 6 way, double door	Each	3		
12	2.10	S/F 5 amps to 32 amps rating 240/415 volts, "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.				
	2.10.1	Single pole	Each	5		
	2.10.4	Triple pole and neutral	Each	5		

13	2.12	Supplying and fixing following rating, double pole, 240 volts, insulator in the existing MCB DB complete with connections, testing and commissioning etc.as required.				
	2.12.1	40 amps	Each	10		
	2.12.2	63 amps	Each	10		
14	5.2	Earthing with GI earth pipe 4.5 mtr. Long 40 mm dia i/c accessories and providing masonry enclosure with cover plate having locking arrangements and watering pipe with charcle and salt as required.	Set	2		
15	5.19	P/F 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	Mtr.	50		
16	28.2.2	Supply fitting and fixing ceiling fan bushing new type C fan (1400 mm/1200 mm)	Each	10		
17	28.3.3	Supply fitting and fixing ceiling fan condenser with best quality (all make) new type C fan (91400 mm/1200 mm)	Each	10		
18	1601	Switch Disconnecter SFC and MCCB 32 amps, TPN, Switch disconnecter fuse	Each	1		
19	1602	63 amps, TPN, Switch disconnecter fuse	Each	1		
20	32.1.2.3.1	Supply and laying of following size PVC/XPLE insulated and PVC sheathed 1.1 KV grade solid aluminum conductor upto 10 sq mm balance stranded conductor, XLPE insulated cores laid up, PVC taps inner sheathed Armored (Aluminum for single core up to 70 sq mm balance aluminum strip, Galvanized for cable upto 2 x 10 sq mm, 3 x 10 sq mm, 4 x 6 sq mm balance all galvanized still strip), extruded PVC type ST 2 sheathed, 650/1100 grade as per IS : 7908 (part I) 1988 armored UG able laid in ground/partially in air required for termination or ground including excavation of cable trench upto depth of 75 cm, refilling, protective brick covering sand cushioning etc. complete handling of surplus spoil, debris etc, to proper place as specified and directed by the deptt. (NICCO/HAVELLS/RPG/CCI/POLYCAB/GLOSTER/FINOLEX MAKE OR EQUIVELENT.				
	32.1.3.1	25.00 sq mm 3 & 1/2 core armoured U.G. cable	Mtr.	10		
	32.1.3.4	70.00 sq mm 3 & 1/2 core armoured U.G.cable	Mtr.	10		
21		PVC insulated copper conductor wires 10 sq mm ISI marked FR PVC insulated single core copper conductor cable	Mtr.	50		
22	1106	16 sq mm ISI marked FR PVC insulated	Mtr.	50		
23	2831	GI Pipe	Mtr.	20		
		32 mm dia GI pipe (medium class)				

24	28.1	Rewinding field coils of AC ceiling fan with DC enameled including changing VIR looping, winding, varnishing, reacting, testing complete (old DC enameled will be the property of the firm).				
	28.1.3	New Type c.fa (1400 mm)	Each	10		
	28.1.9	New Type c.fa (1200 mm) domestic	Each	10		
25	1.25	Supply and fixing stepped type electronic fan regulator on existing modular plate switch box including connection but excluding modular plate etc. as required.	Each	10		
26	28.1	Supplying fitting and fixing ball bearing of ceiling fan including testing complete.				
	28.1.8	New type C fan (1400 mm)	Each	10		
	28.1.9	New type C fan (1200 mm) domestic exhaust/cabin fan.	Each	10		
27	28.4	Supplying fitting and fixing of shaft of AC ceiling fan complete.				
	28.4.3	New type C fan (1400 mm)	Each	10		
		New type C fan (1200 mm) domestic exhaust/cabin fan.	Each	20		
TOTAL						



(STAFF QUARTER)
Non DSR Item (Electrical)

Sl. No.	Description of Item	Unit	Qty	Rate	Amount
1	Supplying and fixing of 1 x 40 watt starter of reputed make having ISI standard suitable for 1 x 40 watt florescent lamp fitting etc as required.	Each	30		
2	Supplying and fixing of PVC flexible pipes of the following size as required.				
	(i) 20 sq mm	Mtr.	20		
3	Supplying and fixing of PVC box 50 x 50 sq mm size on surface for fixing of ceiling rose/angle holder/ button holder etc as required.	Each	5		
4	Supplying and installation of electronic KWH meter of 2:5:10 a range single phase ISI standard with all fitting and as directed by the department.	Each	10		
5	Supplying and fixing of following size of PVC board on surface i/c all accessories etc as required.				
	(i) 50 mm x 50 mm size	Each	5		
	(ii) 100 mm x 100 mm size	Each	5		
	(iii) 150 mm x 200 mm size	Each	5		
	(iv) 200 mm x 250 mm size	Each	5		
	(v) 250 mm x 300 mm size	Each	5		
6	Supplying and fixing of 1 x 40 watt starter of reputed make having ISI standard suitable for 1 x 40 watt fluorescent lamp fitting etc. as required.	Each	5		
7	Supplying and fixing of musical call bell having ISI standard etc as required.	Each	10		
8	Supplying and connecting 3 pin plugs of following rating, suitable for 5/6 amps and 15/16 amps socket etc as required.				
	(i) 5/6 amps rating	Each	10		
	(ii) 15/16 amps rating	Each	10		
9	Removing and installed ceiling/wall mounting fan, clearing with suitable cleaning materials and installed I the requisite place etc. as required.	Each	10		
	TOTAL				

Estimate for AR&M Work (Electrical) in Non-Residential buildings ,R.O. Office, for the year 2017-2018						
Sl. No.	DSR'16(Elect.) & APWD SOR 13-14 Code. No.	Description of Item	Unit	Qty	Rate As per DSR 2016(Elect.) and APWD. SOR 2013-14	Amount
1	1.8 WGPVCPT	Point Wiring in PVC Conduit with piano type switch : Wiring for light point/fan point/Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed steel/PVC conduit with piano type switch, Phynolic laminated switch, suitable size MS box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc. as required.				
	1.8.1	Group A	Point	20		
		Group B	Point	20		
		Group C	Point	15		
2	1.15 RW	Point Re-wiring : Rewiring for light point/fan point/Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core and 1.5 sq FR PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.				
	1.15.1	Group A	Point	20		
	1.15.2	Group B	Point	20		
3	1.17 WGEC	Wiring in existing conduit : Supplying and drawing following size of FR PVC insulated copper conductor single core cable in the existing surface/recessed steel/PVC conduit as required.				
	1.17.2	2 x 6.0 sq mm	Mtr.	50		
	1.17.11	2 x 6.0 sq.mm	Mtr.	30		
	1.17.20	2 x 6.0 sq. mm	Mtr.	30		
	1.17.29	2 x 6.0 sq. mm	Mtr.	30		
4	1.21 PVC CON	S/F PVC Conduit : Supplying and fixing of following size of PVC conduit along with accessories in surface/recess including cutting the wall and making good the same as the case of recessed conduit as required.				
	1.21.1	20 mm	Mtr.	100		
	1.21.2	25 mm	Mtr.	60		

5	1.23 PTSWEB	S/F Piano Type Switch : Supplying and fixing of following piano type switch/socket on the existing switch box/cover i/c connections as required.				
	1.23.1	5/6 amps Switch	Each	10		
	1.23.2	15/16 amps Switch	Each	10		
	1.23.3	3 pin 5/6 amp socket outlet	Each	5		
	1.23.4	6 pin 15/16 amp socket outlet	Each	5		
6	1.33 CREB	S/F Ceiling Rose : S/F 3 pin, 5 amp ceiling rose on the existing junction box/wooden block i/c connection etc. as required.	Each	5		
7	1.34 BRHOLD	S/F brass holder : S/F brass batten/angle holder i/c connection etc. as required.	Each	6		
8	1.41 ITC FFSOR	ITC Florescent fitting Directly on surface : Installation, testing and commissioning of pre wired florescent fitting/compact fluorescent fitting of all types, complete with accessories and tube etc. directly on ceiling/wall i.c. connection with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing etc. as required.	Each	10		
9	1.44 ITCCF	ITC Ceiling Fan : Installation, testing and commissioning of ceiling fan i/c wiring the down rods of standard length (up to 30 cm) with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing etc. as required.	Each	8		
10	1.50.1	Installation of exhaust fan in the existing opening i/c making the hole to suit the size of the above fan, making good the damage, connection, testing commissioning etc. as required. Upto 450 sweep.	Each	3		
11	1.12 WG PVC P2	Power plug wiring in PVC conduit (2 x 4 sq mm) : Wiring for light/power plug with 2 x 4 sq mm FR PVC insulator copper conductor single core cable in surface/recessed PVC conduit along with 1 no. 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	10		
12	1.14 WG PVCSB	Circuit/sub-main wiring in PVC conduit : Wiring for circuit/sub-main wiring along with earth wire with the following size of PVC insulated copper conductor single core cable in surface/recessed PVC conduit as required.				
	1.14.2	2 x 2.5sq mm + 1 x 2.5 sq mm earth wire.	Mtr.	10		
	1.14.3	2 x 4sq mm + 1 x 4sq mm earth wire .	Mtr.	10		
	1.14.3	2 x 6 sq mm + 1 x 6 sq mm earth wire.	Mtr.	10		

13	2.31 SPMCB DB	S/F SPMCB DB : S/F following way single pole and neutral, sheet steel MCB distribution box 240 holes on surface/recess, complete with tinned copper busbar, neutral busbar, earth bar, Din bar detachable gland plate interconnection, Phosphatized and powder painted i/c earthing etc as required (but without MCB/RCCB/Isolator).				
	2.3.1	2 + 4 way, double door.	Each	5		
	2.3.2	2 + 6 way, double door.	Each	5		
14	2.4	S/F following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, interconnections, power painted i/c earthing etc. as required (But without MCB/RCCB/Isolator) .				
	2.4.1	4 way (4 + 12) single door.	Each	2		
	2.4.2	6 way (4 + 18) single door.	Each	2		
	2.4.3	8 way (4 + 24) single door.	Each	2		
15	2.10	S/F 5 amps to 32 amps rating 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load offollowing poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.1	Single pole	Each	6		
	2.10.5	Triple pole and neutral	Each	3		
16	2.12	Supplying and fixing following rating, double pole, 240 volts, insulator in the existing MCB DB complete with connections, testing and commissioning etc.as required.				
	2.12.1	40 amps	Each	5		
	2.12.2	63 amps	Each	3		
17	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.13.2	63 amps	Each	3		
	2.13.3	100 amps	Each	3		
18	5.6	Earthing with copper earth plate 600 mm x 600 mm x 3 mm thick i/c accessories and providing masonry enclosure with copper plate having locking arrangements and watering pipe etc with charcoal or coke and salt.	Set	2		

19	5.19	P/F 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	Mtr.	30		
20	28.2.2	Supply fitting and fixing ceiling fan bushing new type C fan (1400 mm/1200 mm).	Each	10		
21	28.3.3	Supply fitting and fixing ceiling fan condenser with best quality (all make) new type C fan.	Each	10		
22	1601	Switch Disconnecter SFC and MCCB.				
		32 amps, TPN, Switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses.	Each	1		
	1602	63 amps, TPN, Switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses.	Each	1		
	1603	100 amps, TPN, Switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses.	Each	1		
	1604	125 amps, TPN, Switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses.	Each	1		
	1610	3 pole MCCB 100 A 16 KA	Each	2		
	1611	3 pole MCCB 125 A 16 KA	Each	2		
23	1754	MBC DB				
		4 way (4 + 12),TPN, MCB DB double door, Horizontal type	Each	3		
	1755	6 way (4 + 18),TPN, MCB DB single door, Horizontal type	Each	3		
24	22.8	Supply, installation & testing of G.I. earth station with perforated 50 mm dia and 3.00 meter long heavy duty G.I. pipe with necessary 50 mm dia G.I. fitting such as socket tee, elbow nipple and 65 mm x 50 mm G.I. reducing socket for funnet including licking arrangement 300 x 300 mm x 6 mm hinges cover CI earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner outer surface of wall as specified and directed by the deptt.	Each	2		
25	2.21	Providing and fixing MV danger notice plate of 200 mm x 150 mm made of mild steel at least 2 mm thick and vitreous enameled which on both side and with inscription in single red colour on front as required.	Each	2		
26	2.22	Providing and fixing MV danger notice plate of 250 mm x 200 mm made of mild steel at least 2 mm thick and vitreous enameled which on both side and with inscription in single red colour on front as required.	Each	1		
27		PVC insulated copper conductor wires				

	1105	10 sq mm ISI marked FR PVC insulated single core copper conductor cable	Mtr.	20		
	1106	16 sq mm ISI marked FR PVC insulated single core copper conductor cable.	Mtr.	20		
28	28.1	Rewinding field coils of AC ceiling fan with DC enameled including changing VIR looping, winding, varnishing, reacting, testing complete (Old DC enameled will be the property of the firm).				
	28.1.3	New Type c.fa (1400 mm).	Each	10		
	28.1.9	New Type c.fa (1200 mm/domestic exhaust fan (300 mm)/cabin fan.	Each	10		
29	1.25	Supply and fixing stepped type electronic fan regulator on existing modular plate switch box including connection but excluding modular plate etc. as required.	Each	20		
30		Supplying fitting and fixing ball bearing of ceiling fan including testing complete .				
	28.1.8	New type C fan (1400 mm)	Each	8		
	28.1.9	New Type C fan (1200 mm) domestic.	Each	8		
31	28.4	Supplying fitting and fixing of shaft of AC ceiling fan complete.				
	28.4.3	New type C fan (1400 mm)	Each	5		
		New type C fan (1200 mm)	Each	8		
TOTAL						

Part-II (BUILDING OF REGIONAL OFFICE)

Non DSR Item (Elect.)

Sl. No	Description of Item	Unit	Qty	Rate	Amount
1	Supplying and fixing of 1 x 40 watt starter of reputed make having ISI standard suitable for 1 x 40 watt fluorescent lamp fitting etc as required.	Each	20		
2	Supplying and fixing of PVC flexible pipes of the following size as required.				
	(i) 20 sq mm	Mtr.	15		
3	Supplying and fixing of PVC box 50 x 50 sq mm size on surface for fixing of ceiling rose/angle holder/button holder etc as required.	Each	10		
4	Supplying and fixing of following size of PVC board on surface i/c all accessories etc as required.				
	(i) 100 mm x 100 mm size	Each	5		
	(ii) 150 mm x 100 mm size	Each	5		
	(iii) 200 mm x 100 mm size	Each	5		
	(iv) 250 mm x 100 mm size	Each	5		
5	Carry out earthing test of GI earth pipe electrode with digital earth tester including clearing, checking & minor rectification of GI wire connection earth pit and submitting report testing as per direction of engineer concern.	Each	3		
6	Supplying and fixing of 1 x 40 watt starter of reputed make having ISI standard suitable for 1 x 40 watt fluorescent lamp fitting etc. as required.	Each	15		
7	Supplying and fixing of musical call bell having ISI standard etc as required.	Each	1		
8	Supplying and connecting 3 pin plugs of following rating, suitable for 5/6 amps and 15/16 amps socket etc as required.	Each	8		
9	Removing and installed ceiling/wall mounting fan, clearing with suitable cleaning materials and installed in the requisite place etc. as required.	Each	10		
TOTAL					

ANNEXURE-V

MANPOWER

Sl. No.	Description of item	Unit	Rate	Period(In months)	Amount
1	Electrician cum DG Operator(skilled)	1		12	
2	Plumber (skilled)	1		12	
3	Mali cum sewerman(unskilled)	1		12	
TOTAL					

Note: The bidders should not quote the rate of manpower below the minimum wages (latest) as prescribed by chief labour commissioner from time to time.

ANNEXURE-VI : Lump sum Items (AM&C of A.C. Fire Fighting DG Pump set etc)

Sl. No.	Items of Supply	Unit	Qty	Rate	Nos of Month	Amount (Rs.)
1	Running and maintenance of window AC	Lumsum per month	5		6	
2	Running and maintenance of Fire Fighting system	Lumsum per month	10		6	
3	Running and maintenance of Pumping system and DG set	Lumsum per month	1		12	
	TOTAL					

ANNEXURE-VII : Materials to be supplied for use by labour :

Sl. No.	Items of Supply	Unit	Qty	Rate	Amount
1	Urea	Kg	10		
2	DAP	Kg	10		
3	Bleaching Powder	Kg	100		
4	Super Phosphate	Kg	50		
5	Screws of Various size	Kg	6		
6	Washers of Various size	Kg	10		
7	Nails of Various size	Kg	8		
8	Clamps of Various size	Kg	10		
14	Marigold Saplings/Plants	Each	60		
15	Sunflower Saplings/Plants	Each	60		
16	Dalia Saplings/Plants	Each	100		
17	Other Flower Sapling	Each	100		
18	Mosquitoes spray	Works	24		
	TOTAL				