



ASSAM UNIVERSITY: SILCHAR  
TENDER NOTICE

Assam University, Silchar, invites sealed tender with a validity period of 90 (Ninety) days from the date of receipt of tender in prescribed format available in the Engineering Section of Assam University, Silchar from the Govt. Registered Electrical contractors / Electrical firms of APWD/CPWD/MES/PSU/APDCL of appropriate class and category having valid registration for the work as mentioned below:-

Name of Work	Estimated Cost	EMD	Cost of Tender Paper	Last date of submission	Due date and time for opening of sealed tender
Electrical Annual Maintenance Works, AUS.	Rs.27,31,158/-	Rs.55,000/-	₹ 500/-	11.03.2016 up to 2.00 pm.	Technical Bid:11.03.2016 at 3 pm.

The eligible Contractor who are financially sound and proficient in the electrical works are to quote their rate in item wise basis, rate should be inclusive of all taxes & incidental charges. Self attested copy of (i) Valid registration certificate (ii) VAT Registration (iii) PAN Card (Where PAN of the deductee is not available, Tax at higher of the prescribed rate or 20% will be deducted on all transactions) (iv) Work experience on AMC Electrical Works or Building internal electrification works under Central Govt./ State Govt. / Central Autonomous Bodies/ Central PSU department during last 7(Seven) years ending 31.01.2016 duly signed are to be enclosed with the tender without which the tender will not be accepted.

The interested bidder may examine the nature of work available in Engineering Section and visit the site to satisfy themselves about the scope of the work before submitting the tender. The duly filled in tenders can be submitted by hand in the Tender Box at Engineering Section, Administrative Building, Assam University, Silchar 11.03.2016 upto 2.00pm. Tenders(Technical Bid) will be opened on 11.03.2016 at 3.00pm in presence of the tenderers or their authorized representatives.

The detail NIT may be obtained from the Engineering Section, Assam University, Silchar on all working days till 11.03.2016 upto 12 noon by submitting necessary application fees in the form of Cash/Bank Draft duly pledged in favour of Assam University, Silchar and the NIT may also be obtained from the University website [www.aus.ac.in](http://www.aus.ac.in). If the office remains close for any reason, the tender will be received/opened on next working day at same time and place. The contractor will have to pay AGST and other Taxes as per Govt. Notification prevailing in the state.

Assam University reserves the right to accept/reject any or all tender including lowest bidder without assigning any reason thereof. Canvassing in any form will be a disqualification for submission of the tender including submission of tender to the university in future.

Executive Engineer

No: AU/Engg/Maint/Elect-29/2014

Date: 18.02.2016

Copy to:

1. P.S. to V.C. for kind information of the Hon'ble Vice-Chancellor.
2. The Finance Officer, AUS, for information.
3. Registrar, AUS, for kind information.
4. The Director Computer Centre, AUS, for information & with request to upload the aforesaid notice in University website.
5. Notice Board.
6. File.

Section Officer (Engg)



## TECHNICAL BID

### TENDER FOR ELECTRICAL ANNUAL MAINTENANCE WORKS, AT ASSAM UNIVERSITY, SILCHAR.



ASSAM UNIVERSITY, SILCHAR

(A Central University Established by an Act of Parliament)

Silchar-788011, Assam, India.

Certified that this Technical Bid contains (29) pages including the cover page.



## APPLICATION FORM FOR TENDER

### UNDERTAKING

I / We have read and understood the instructions and the terms and conditions contained in the application form. I / We do hereby declare that the information furnished in the application and in the supplementary sheets is correct to the best of my/our knowledge and belief.

Name (in Block Letter):

Designation:

Complete Postal Address:

E-mail:

Phone No.:

Mobile No.:

Place:

Date:

Signature of Applicant:

Seal of Office:

**To**

**Executive Engineer**

**Assam University, Silchar**

**Silchar – 788 011.**



## **ASSAM UNIVERSITY, SILCHAR**

(A Central University Constituted under Act. XIII of 1989)  
Silchar – 788011, Assam, India.

**No. AU/ENGG /ELECT/29/2014**

Date:18.02.2016

### **NIT/ TENDER PAPER**

**Name of work: ELECTRICAL ANNUAL MAINTENANCE WORKS, AT ASSAM UNIVERSITY, SILCHAR.**

- Cost of Tender Paper: **Rs.500/-**
- Estimated Cost: **Rs. 27, 31,158/-**
- Earnest Money: **Rs. 55,000/-**
- Last date of submission of tender paper : 11.03.2016 up to 2.00 P.M.
- Date and Time of Opening Bid : 11.03.2016 at 3.00 P.M.

### **CONTENTS**

- ❖ SECTION-1 : Notice Inviting Tender & Tender Condition.
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- ❖ SECTION-4 : General Rules and Directions.
- ❖ SECTION-5 : Terms & Conditions Governing the Tender and Execution of Contract Thereof.



**Check List:**

1. Valid Registration certificate of Central Govt. / State Govt./PSU , as per pro forma 2(a).
2. Electrical License issued by Electrical Licensing Board.
1. Certificate in respect to satisfactory completion of AMC Electrical Works or Building internal electrification works under Central Govt./ State Govt. / Central Autonomous Bodies/ Central PSU department during last 7(Seven) years ending 31.01.2016 , as per pro forma 3(a).
  - i. Three works costing not less than the amount equal to 40 % of estimated cost.

Or
  - ii. Two works costing not less than the amount equal to 60 % of estimated cost.

Or.
  - iii. One work costing not less than the amount equal to 80 % of estimated cost.
3. Financial Solvency certificate @ 40% or more of the estimated cost for each work , issued in the current financial year from any nationalised bank, as per pro forma 2(b).
4. Service Tax Registration No (Copy to the enclosed).
5. PAN /VAT/ TIN Details (Xerox copy self-attested)

**Note:** Works completion Certificate should be issued by officer not below the rank of Executive Engineer or equivalent. Work order shall not be considered as proof for works completion.



## SECTION -1

No. AU/ENGG /ELECT/29/2014

Date: 18.02.2016

### NOTICE INVITING TENDER.

Sealed Item rate tenders in two bid system valid for 90 days are invited from Registered Electrical Contractors having valid registration & license of CPWD/APDCL/MES/State PWD/PSU/Central Autonomous Bodies of appropriate class and category for the works "**ELECTRICAL ANNUAL MAINTENANCE WORKS, AT ASSAM UNIVERSITY, SILCHAR.**" of estimated amount ` **27, 31,158.00**. The tender notice & document can be downloaded from Assam University website [www.aus.ac.in](http://www.aus.ac.in). & can also be obtained from the Engineering Section during office hours from 19.02.2016 to 11.03.2016 up to 12.00 noon. Last Date of submission of bid is 11.03.2016 up to 2 pm. Due date and time for opening of tender is 11.03.2016 at 3.00 P.M

**Sd/-  
Executive Engineer**



## TENDER CONDITIONS.

1. The Tenderer shall quote his rate as per NIT & the Terms and Conditions enclosed in the Tender document.
2. Completed tender documents should invariably be submitted along with the proof of payment towards cost of tender document to Assam University, Silchar.
3. **The Earnest Money Deposit (EMD) of Rs. 55,000/- (Rupees Fifty five Thousand) only** mentioned above is absolutely mandatory and shall be enclosed along with the tender in the form of **Bank Draft/ FDR /Call Deposit drawn in favour of the Assam University, Silchar** from a scheduled /nationalized bank only, failing which the tender will not be accepted.
4. **Mode of Submission of tender Document:**
  - I. **EMD to be sealed in Envelop No-1**
  - II. **Technical Bid along with counter receipt for payment towards cost of tender document in Envelop No-2**
  - III. **Price Bid is to be sealed in Envelop No-3**
  - IV. **Envelop No-1,2&3 to be inserted in a single Envelop-4 , properly sealed and super scribing Name of Work, Closing Date & Name of Agency/Contractor on the cover of the Envelop-4**
  - V. **N.B Sealed Means: Sealing by Wax/Gum/Any Type of Adhesive Tape etc. but not pinned or stapled.**
5. Tenders should be valid for 90 days from the date of opening of the tenders and may have to be extended further if considered necessary by the University. No reasons will be assigned for extension and no withdrawal shall be allowed. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, which-ever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the University, then the University shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money Deposit.
6. **The time allowed for completing the work will be the period under consideration for providing the AMC services.**
7. Tenderer are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the risks, contingencies and other circumstances which may influence or affect their tender. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents and has made himself aware of



the scope and specifications of the work to be done and other factors having bearing on the execution of the work.

8. No Telex/ Tele fax/ Telegram/ E-mail of the Techno-Commercial and Price bids will be accepted. The University is not responsible for Postal. Courier delays. The parties have to ensure the receipt of bids well in time.
9. If the date of tender submission and opening happens to be unforeseen holiday, the same will be postponed to the next working day without any further intimation.
10. The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received without assigning of any reason thereof. All tenders in which any of the prescribed condition is not fulfilled or any condition put forth by the tenderer shall be summarily rejected.
- 11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be summarily rejected.**
12. The competent authority on behalf of the University reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. This Notice Inviting Tender shall form a part of the contract document.
14. The successful tenderer/ contractor, on acceptance of his tender by the University, shall within 15 days from the stipulated date of start of the work sign the contract agreement in standard form consisting of the notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
15. No materials will be supplied by the University.
16. The contractor shall obtain a valid license under the contract labour (R&A) Act, 1970, and the contract labour central rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986 and other labour laws. Any failure to fulfill this requirement shall attract the penal provisions of this contract arising out of the resultant no execution of the work. No labour below the age of fourteen years shall be employed on the work.
17. During Opening of tender only representative duly authorized by the agency / contractor will be allowed to be present.



18. All relevant documents submitted with the tender should be self attested (by the agency/contractor) and on demand original copy must be produced failing which tender will not be considered.
19. Authenticity of signatory (contractor) of tender document will be verified before finalization of tender document.
20. Tax at higher of prescribed rate or 20% will be deducted on all transactions liable to TDS, where the permanent Account Number (PAN) of the deductee is not available.
21. In case of any dispute, it would be referred to a sole Arbitrator to be appointed by the University authority. The decision of the sole Arbitrator will be final and binding to both the parties.

## **22. Performance guarantee**

(a) The successful tenderer, shall deposit an amount equal to **10%** of the tendered and accepted value of the work as performance guarantee in one of the following forms: \_

- (i) Cash (In case guarantee amount is less than Rs. 10,000/-).
- (ii) Deposit at Call Receipt/Banker's Cheque/Demand Draft/Pay Order of a Scheduled Bank. (In case guarantee amount is less than Rs. 1,00,000/-)
- (iii) Government securities.
- (iv) Fixed Deposit Receipt (FDR) of a Scheduled Bank.
- (v) An irrevocable bank guarantee bond of any scheduled bank or the State Bank of India in the prescribed form given in Annexure.

(b) The time allowed for submission of the performance guarantee by the contractor shall be period ranging from 4 to 15 days of issue of the work .

The performance guarantee shall be repayable after 3(three) month of the expiry / termination of the contract after deduction of penalty /other dues if any.

23. EMD of unsuccessful bidder shall be released within 02 (two) months after issue of work order to the successful bidders.
24. If the work is found not as per specification or abandoned by the executing contractor/agency, same will be cancelled and remaining work will be done through other contractor/agency at their cost & risk.
25. **Those bidders who accept the above terms and conditions, may submit their tender along with all relevant documents and a copy of above terms and conditions of the tender duly signed**

**Sd/  
Executive Engineer**



**SECTION-2**

**PROFORMA – 2(a)**

**DETAILS OF CONTRACTOR'S REGISTRATION**

1. Name of Agency/ Contractor :
2. Name of the Department issued contractor's registration :
3. Registration No :
4. Class of Registration :
5. Category of Registration
6. Valid Electrical License Registration No :
7. Tender limit :
8. Validity period :

Copy of Registration certificate to be enclosed

Signature of Agency/ Contractor



PROFORMA -2(b)

**FORM OF SOLVENCY CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information M/S/ Sri -----  
----- having marginally noted address, a customer of our bank are /is respectable  
and can be treated as good for any engagement up to a limit of Rs------(Rupees-----  
-----)

This certificate is issued without any guarantee or responsibility on the Bank or any of the officers.

**(Dated Signature)**

**For the Bank**

Note : In case of partnership firm, certificate to include names of all partners as recorded with the bank .

**Signature of agency / contractor**



**PROFORMA – 3(a)**

List of Similar nature of works executed during **preceding 7 years**

Sl. No	Name of work with brief particular thereof	Date of Commencement	Date of Completion as per work order	Actual date of completion	Contract Amount (Rs)	Name of client, contact with his complete address Phone No.

Add extra sheet if required

Sign of the company/Contractor

Date :

Note: Original or self-attested copies of work order & completion certificates from client shall be attached .



**PROFORMA – 3 (b)**

3. B List of ongoing works:-

Sl.No	Name of work with brief particular thereof	Date of commencement	Date of completion as per work order	Contract Amount (Rs)	Name of client , contact with his complete address and Phone No.

Add extra sheet if required.

Seal & Signature of the  
company/Contractor

Date: Note : Original or self-attested copies of work order from client shall be attached.



## TENDER

I/We have read and examined the notice inviting tender, schedule, specifications applicable, General Rules and Directions, Conditions of contract and special conditions , schedule of rate and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work .

I/We hereby tender for the execution of the work specified for AU , Silchar within the time specified and in accordance in all respects with the specification, designs drawings and instructions in writing referred to in General Rule and Directions and in the conditions of contract and with such materials as are approved by the University Authority, and in respects in accordance with, such conditions so far as applicable .

I/We agree to keep the tender open for -----days from the due date of submission thereof and not make any modifications in its terms and conditions.

A sum of **Rs.55,000/-** is hereby forwarded in FDR/ Call deposit in favour of Assam University, Silchar of scheduled Bank as earnest money. If I/We, fail to commence the work specified I/We agree that the A.U., Silchar or his authorized officer successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to therein and to carry out such deviations as may or orders, up to maximum of the percentage mentioned in the conditions of contract and those in excess of limit at the rates to be determined in accordance with the provision mentioned in the tender form.

I/We agree that should I/We fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of the invitation of tender shall absolutely be forfeited to the Silchar and the same may be the option of the competent authority on behalf of the A.U. Silchar be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/ us under this contract or otherwise.

Date

Signature of Contractor

Postal Address & Tele No.



### SECTION -3

## SCOPE, TERMS & CONDITIONS OF ELECTRICAL ANNUAL MAINTENANCE WORKS AT ASSAM UNIVERSITY SILCHAR.

### Eligibility criteria:

2. The contractor should have valid registration of Central Govt./State Govt./PSU/Central Autonomous Bodies for execution of Internal and External Electrical Works.
3. The Contractor should have valid Electrical License for working 650 V voltage level issued by Electrical Licensing Board, Assam.
4. The contractor should have experience in providing AMC Electrical Works or Building internal electrification works under Central Govt./ State Govt. / Central Autonomous Bodies/ Central PSU department during last 7(Seven) years ending 31.12.2015.
5. The bidder should produce Banker's solvency certificate of 40% of the works estimated value minimum. Solvency certificate issued in the current financial year.
6. The contractor should have qualified Supervisors / ITI trained / License Holder Electricians/ with required formal qualifications to attend the job round the clock.
7. The contractor should have office in Silchar.
8. The contractor should have valid registration with all Statutory Authorities such as Registrar of firms, Central/state Labour Dept., ESI, PF, Service Tax, etc.
9. The track record of the contractor should be clean and he should not have any involvement in any illegal activities or funds.
10. The Contractor should submit documentary evidence in support of fulfilling eligibility criteria mentioned above including performance certificate from clients. For proof of completion of similar works, work order will not be considered as a proof of completion



## **Works schedule:**

### **1. Electrical Maintenance works for Academic Buildings.**

In this category various academic buildings will be covered. The AMC provider will provide round the clock service for all the academic buildings. The following works are to be attended in all the class rooms, lab rooms, office rooms, and other common facility rooms of the department or as directed by Engineering Section.

- i. Repair and replacement of tube lights, bulbs, chokes & starters.
- ii. Oiling, greasing of fans/repairing/replacement of capacitor (ceiling and exhaust) as and when required.
- iii. New wirings/Rewiring of circuit wiring point wiring on need basis
- iv. Maintenance service will include up keeping and tightness of all Fittings /D.B./Panel Board / Fixture and Installations in tidy and perfect working condition.
- v. Replacement of fuses/MCB/MCCB/Isolators (all types)repair/replacement of faulty switches, holders, screws etc.
- vi. Checking of earthing system to make it functional and effective.
- vii. The successful bidder has to ensure periodic cleaning of all the fitting and fixtures.

### **2. Electrical Maintenance works for Hostels.**

In this category various hostel buildings will be covered. The AMC provider will provide round the clock service for all the hostel buildings. The following works are to be attended in all the Common rooms, corridors, toilets, and other common facility rooms of the hostel or as directed by Engineering Section.

- i. Repair and replacement of tube lights, bulbs, chokes & starters.
- ii. Oiling, greasing of fans/repairing/replacement of capacitor (ceiling and exhaust) as and when required.
- iii. New wirings/Rewiring of circuit wiring point wiring on need basis
- iv. Maintenance service will include up keeping and tightness of all Fittings /D.B./Panel Board / Fixture and Installations in tidy and perfect working condition.
- v. Replacement of fuses/MCB/MCCB/Isolators (all types)repair/replacement of faulty switches, holders, screws etc.
- vi. Checking of earthing system to make it functional and effective.
- vii. The successful bidder has to ensure periodic cleaning of all the fitting and fixtures.
- viii. The successful bidder has to ensure periodic cleaning of all the fitting and fixtures.

### **3. Electrical Maintenance works for Residential Quarters.**

In this category various teaching and non teaching residential buildings will be covered. The AMC provider will provide round the clock service for all the quarter buildings. The following works are to be attended in all the Common rooms, corridors, building compound lights, and other common facility rooms, corridor etc of the building or as directed by Engineering Section.



- i. Repair and replacement of tube lights, bulbs, chokes & starters.
- ii. Oiling, greasing of fans/repairing/replacement of capacitor (ceiling and exhaust) as and when required.
- iii. New wirings/Rewiring of circuit wiring point wiring on need basis
- iv. Maintenance service will include up keeping and tightness of all Fittings /D.B./Panel Board / Fixture and Installations in tidy and perfect working condition.
- v. Replacement of fuses/MCB/MCCB/Isolators (all types)repair/replacement of faulty switches, holders, screws etc.
- vi. Checking of earthing system to make it functional and effective.

**4. Electrical Maintenance works for Common facility Buildings.**

In this category various common facility buildings will be covered. The AMC provider will provide round the clock service for all the common facility buildings. The following works are to be attended or as directed by Engineering Section.

- i. Repair and replacement of tube lights, bulbs, chokes & starters.
- ii. Oiling, greasing of fans/repairing/replacement of capacitor (ceiling and exhaust) as and when required.
- iii. New wirings/Rewiring of circuit wiring point wiring on need basis
- iv. Maintenance service will include up keeping and tightness of all Fittings /D.B./Panel Board / Fixture and Installations in tidy and perfect working condition.
- v. Replacement of fuses/MCB/MCCB/Isolators (all types)repair/replacement of faulty switches, holders, screws etc.
- vi. Checking of earthing system to make it functional and effective.

vii. The successful bidder has to ensure periodic cleaning of all the fitting and fixtures.

**5. Electrical Maintenance works for Street Lights and compound lights.**

In this category all street light & compound light fittings and fixtures will be covered. The AMC provider will provide round the clock service for all the street lights and compound light fittings. The following works are to be attended or as directed by Engineering Section.

- i. The successful bidder shall be responsible for maintaining all the street light fitting and fixture in good working condition.
- ii. The successful bidder has to ensure periodic cleaning of all the fitting and fixtures.
- iii. Maintenance of sodium vapour lamp including replacement if required for ballasts, igniters, capacitor, lamps, MCB and loop box connection.
- iv. Replacement of Halogen lamp, CFL, metal halides, T5 fittings etc.
- v. Replacement of 4-core U.G. cable from pole to pole over a span of length if, required.



**6. Electrical Maintenance works for sub-station's panel board, feeder pillars.**

The following works are to be attended on routine basis and as directed by Engineering Section. The successful bidder should operate and maintain all the electrical switchgears installed in good condition.

- i. Bus-coupler
- ii. 400 A Main Switches
- iii. 300 A Main Switches
- iv. 200 A main Switches
- v. 125 A main Switches
- vi. 100 A main switches
- vii. HRC fuse, contact points, insulation grid, nut & bolt and washers if required.
- viii. Lugs for incoming and outgoing cable.
- ix. Bus bar strip
- x. G.O.switch
- xi. Dropout switch
- xii. Bus bar strip
- xiii. Transformer oil
- xiv. Transformer barrel fuse.

**7. Electrical Maintenance works for LT line and UG Cable.**

The successful bidder should operate and maintain the LT overhead lines and UG cables installations. The successful bidder shall be required to carry out the following works as per direction of the Engineering section.

- i. Jointing/Replacement of U.G. cable
- ii. Replacement of span of over head L.T. line by ACSR/AAAC conductor.
- iii. Repairing and replacement of insulators, M.S. channel, clamp etc.
- iv. Stringing/ Re stringing of LT line(ACSR/AAAC) to maintain appropriate sag

**8. Electrical Maintenance works for Pump House.**

- i. Replacement of L&T switch, HRC fuse,
- ii. Repairing and replacement of star-delta starter, DOL starter.
- iii. Voltmeter, Ammeter, selector switch, pilot lamp
- iv. Repairing of panel for pump.

**9. Operation of Diesel Generator Sets.**

The successful bidder is required to operate the following D.G set as per the instructions.

- i. DG set installed at the Hostel buildings.
- ii. DG set at the Water Pump station.
- iii. Bipin Chandra Pal Seminar Hall.

For list of buildings of Assam University Silchar , refer to Annexure.



## 10. Preventive Maintenance

1. Preventive maintenance of all electrical installations to be carried out in a well-planned manner with periodicity in general or as directed.
2. Servicing of all panels, DB's on monthly basis.
3. Routine preventive maintenance works such as checking and lightening of electrical wiring connections/joints and replacing accessories as and when required.

## 11. Cleaning

1. Cleaning and checking of all electrical appliance as light fittings, ceiling/exhaust fans, switchboard, cable boxes, panel board etc., once in a quarter.
2. Cleaning of the meter/MCCB/Feeder Pillars/distribution boards located at various locations on monthly basis.
3. Cleaning of LT/HT panel room, transformer room etc. These areas should be kept neat and clean.

## AMC SERVICE TERMS AND CONDITIONS:

1. AMC will be for a period of twelve month commencing from the date of the Agreement comes into force. This can be cancelled unilaterally by the Competent Authority of Assam university, Silchar (AUS), whenever the service is not found to be satisfactory.
2. The price bids shall be strictly as per the prescribed format enclosed with the bid document.
  - i. Part-A Cost of engagement of Man power.
  - ii. Part-B Cost of Material for Electrical Annual Maintenance Works.
3. The rates accepted will remain firm and fixed during the period of the contract under consideration.

## 4. Man Power Details:

SL No	Description	Nos.Required	Educational Qualification	Works Experience
1	Electrical Supervisor	02	Diploma/ITI Certificate Holder	10 years experience in Electrical works
2	Electrician	04	I.T.I. / license holder	05 years experience in Electrical works
3	Electrical Helpers	10	-	03 years experience in Electrical works



The manpower will be deployed in following shifts:

**General shift:[09.00 AM-06.00 PM] .**

- |      |                       |         |
|------|-----------------------|---------|
| i.   | Electrical Supervisor | 01 Nos. |
| ii.  | Electrician           | 03 Nos. |
| iii. | Electrical Helpers    | 06 Nos. |

**Other shift:**

- |      |                       |         |
|------|-----------------------|---------|
| i.   | Electrical Supervisor | 01 Nos. |
| ii.  | Electrician           | 01 Nos. |
| iii. | Electrical Helpers    | 04 Nos. |

5. Successful tenderer should maintain a store with adequate materials in the campus required for temporary electrification requirement i.e. providing flood lights with drawing temporary LT lines etc. as per the direction of the deptt.
6. The successful bidder will be provided office premises on rent basis.
7. Successful tenderer should maintain a store with adequate materials in the campus required for immediate rectification of lighting faults, cable faults.
8. Materials to be used should be of approved and branded make (CPWD/APWD/BIS approved makes) and as directed.
9. Cable fault checking and jointing with required cable joint materials of all electrical equipments and repairing the same with, digging , refilling, and leveling of land with necessary materials / spares are in the scope of contractors
10. Routine maintenance of all electrical installations such as substation equipments including transformers, LT panels Pump-motors, Submersible pumps, general lighting etc. in the Campus.
11. Attending to day-to-day fault of any kind of light/fan fittings, water pumps, motor starters LT cables, LT Panel and Transformers etc.
12. Attending to faults in main switches, distribution boards, ACB's, OCB's, MCB's, MCCB's panel board etc. In case of major brokedown, the contractor should assist the in charge/department staff till the rectifications of the defects.
13. Attending cable faults, terminations of cable, re-termination, if required. The contractor shall arrange to give temporary connection if the cable fault could not be rectified within a day.



14. Operation and maintenance of all major electrical installation in accordance with Manufacture's specifications, instruction Manuals, IE rules and other rules as specified by CEIG and APDCL.
15. Operation and maintenance of electrical equipments such as auditorium lighting system, sound system/public address system, televisions etc.
16. To check the Power Factor (PF) and operate the capacitor bank for PF correction, if required.
17. Checking of all earth electrodes, continuity of earth, measurement of earth resistant and maintain record for each electrode at least once in a six months.
18. Any other item/work not included above required for ensuring uninterrupted and smooth electrical maintenance at the campus.
19. Noting of meter-reading of Residential Quarters for Monthly Electricity Bills. Maintain proper record of the complaints received, complaints attended with the date and time of attending the complaints, spares replaced and User remarks.
20. The Contracting Agency will keep proper record of the consumables issued/supplied for replacement. The replaced items/consumables will be returned to the Institute. The records should be weekly submitted at engineering section.
21. Co-ordinate and liaison with Assam State Electricity Board, on behalf of the Assam University and do all the needful under intimation to the Assam University, Engineering Section to provide uninterrupted supply of electricity in the campus.
22. The Contracting Agency shall have to abide by and observe the Rules/Regulations and safety measure in force with regard to repair and maintenance of equipments and installations systems covered under this award and the Contracting Agency shall be responsible for the same. The Contracting Agency shall keep the Institute indemnified from any penalties or litigation arising due to non-compliance of any rule/regulations in discharge of the responsibilities.
23. The Engineer-in-charge may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors employ upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements.
24. Minor gas welding, gas cutting and electric welding etc. for electrical panel , discontinued earth strips etc. as directed by deptt.
25. Trimming and cutting of tree branches which may be hazardous from safety point of view for operation and maintenance of LT lines and line fixtures.



26. Maintaining of records like attendance of duty staff, log books for equipment, Stock book of spares / materials etc., as required.
27. AUS shall deduct pro-rata amount for shortfall/unsatisfactory services, if any.
28. All the electrical equipments / lines/ street lights / appliances in the University campus are to be covered under AMC on as is where is basis, and where ever required, the same is to be rectified and made fully functional to the satisfaction of the University authority.
29. The contractor shall depute a minimum of the specified man power for carrying out the day to day maintenance work in the University campus. However, if more man power is required for exigency as per instruction of the Executive Engineer, AUS, the contractor has to provide the same as directed.
30. The contractor shall be required to provided uniform and Identity Card with photo ID to all works man employed in the AMC (Elec.) at Assam University campus and provide the University with the list of persons so engaged along with photographs and contact details. Workers will have to carry identity card with them for security check as and when required.
31. Any change of persons engaged and details of replacement should be intimated to the Engineering Section, Assam University.
32. The firm shall be solely responsible for any negligent acts of their personnel and shall indemnify AUS against any loss or damage to its property or injury to its employees due to such acts.
33. AUS shall not be a party to any dispute between the firm and the personnel deployed by them.
34. The successful bidder shall require to cut/ trim tree branches, bushes etc along the route of the LT line network and maintain the LT line in good and barrier free condition.
- 35. Tools & Tackles:**

The Contractor should maintain/promptly arrange the tools/tackles required for smooth execution of the work. An indicative list of tools/tackles is mentioned hereunder: -

  - i. Megger – 1000/5000 volts.
  - ii. Crimping tools.(size up to 300 sq.mm.)
  - iii. Ratchet set.
  - iv. Tool kit {D – Spanner, Ring Spanner (5-40 No's each) }.
  - v. Pliers, tester & test lamps.
  - vi. Earth tester.
  - vii. Power meter.
  - viii. High voltage discharge rod.
  - ix. High voltage safety gloves.



- x. Torch, emergency light.
- xi. Electrical screw driver set.
- xii. Hand gloves and safety belts.
- xiii. First aid Kit.
- xiv. Ladder (20 feet tall minimum)

36. In the case of delay in attending to the complaints, penalty at the following rates will be levied :-

- |  |                        |
|--|------------------------|
| (a) Delay of up to 24 hours                        | - Rs.100 per unit/day  |
| (b) Delay in excess of 24 hours and up to 72 hours | - Rs.150 per unit/day  |
| (c) Delay in excess of 72 hours                    | - Rs. 200 per unit/day |

The period will be reckoned from the time of lodging the complaint by telephone/fax/letter, etc.

37. Payment terms:(In two parts)

- i. Cost of Manpower engaged as per scope of works.(Payable on monthly basis and acquaintance roll of payment wages not below the minimum wages applicable to the workers shall be submitted with the bill.)
- ii. Cost for electrical maintenance materials will be reimbursed on monthly basis (Payable on basis of quoted rates/Price List/SOR as applicable).

38. Conditional bids shall be summarily rejected.



## SECTION-4

### GENERAL RULES AND DIRECTIONS

#### 1. SUBMISSION OF TENDER

- (a) The General Conditions of Contract for Central PWD /APWD Works shall be the guiding principles for this work. Tenderer are advised to procure the same and familiarize themselves with the provisions of the above mentioned Conditions of Contract.
- (b) The University reserves the right to alter, modify any Tender Conditions, technical specifications etc., before tender opening and may seek fresh quotation depending upon necessity, and may even withdraw/ cancel the tender, without assigning any reason.
- (c) All amendments/ revisions to tender documents issued by the University, if any, must be signed and submitted along with the tender. The tenderer are advised to submit the tender based strictly on the terms and conditions and specifications contained in the tender documents, and not to stipulate any deviations.

2. (a) Tenders shall be prepared and submitted in sealed envelope super scribed as “**Tender No..... Dated:..... DUE FOR OPENING ON ..... FOR THE WORK .....** “. The full name, Postal address, telegraphic address and telex/ telefax /telephone No. of the tenderer shall be written at the bottom left corner of the sealed envelope.
- b) Insertion, postscript, addition and alteration shall not be recognized unless confirmed by the Tender’s signature.

In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney.

#### 3. TENDERER TO INFORM HIMSELF FULLY:

The tenderer is required to carefully examine the technical specifications and other details relating to the work given in the Tender documents and fully inform himself as to all conditions and matters that may in any effect the work or the cost thereof. The tender shall be deemed to have himself independently obtained all necessary information for the purpose of preparing the tender and his tender as accepted shall be deemed to have taken into account all contingencies as may arise due to such information or lack of the same.



## **PARTICULARS OF TENDER:**

Last Date and Place of Tender Submission : Engineering Section, Assam University,  
Silchar by **11.03.2016 (up to 2.00 P.M)**.

Date and Place of opening of Technical Bid : Engineering Section, Assam University,  
Silchar on **11.03.2016 at 3.00 P.M**

**Validity of tender:** Tender shall remain valid for acceptance for a period of not less than **90 days** from the date of opening of tenders which may be required to be extended in public interest at the discretion of the University Authority.

## **CLARIFICATIONS:**

The Tender Document issued is complete in all respect and no further clarifications are elaborated. However, in so far Technical Clarifications if any are concerned even though not binding on University can be ascertained from the University.

## **QUOTATION OF PRICE / RATES**

This is Item Rate Tender, the tenderer shall state at what rate he will be willing to undertake the work. Rate should be quoted both in figure & words.

## **COMPLETION TIME:**

The period of contract will be initially for a period of one year from the date of signing of formal agreement. The contract may be renewed for further one year /less at a time at the discretion of the AUS authority based on satisfactory service provided by the agency.

## **TRANSFER OF TENDER DOCUMENTS/ TENDERS:**

Transfer of tender documents purchased by one tenderer to another is not permissible. Similarly transfer of tenders submitted by one tenderer to another is not permissible under any circumstances. The alteration of essence of tender once submitted is also not permissible.

## **LANGUAGE:**

The Tender shall be submitted in English language only.



### **EARNEST MONEY DEPOSIT:**

1. The tender must be accompanied by the Earnest Money Deposit pledged in favour of **Assam University, Silchar**, in the form of Demand Draft / FDR/Call Deposit as indicated in the Notice Inviting Tender. If the tenderer after submitting his tender resiles from his offer or modify the Terms and Conditions thereof in a manner not acceptable to the University, the Earnest Money will be forfeited. Tenders not accompanied by the earnest money deposit will not be considered and will be summarily rejected.

2. On Non-acceptance of tender, but in any case not earlier than the expiry date of the period for which the tender is kept open, the Earnest Money shall be discharged.

3. Should the Tender in question be withdrawn or cancelled by the University, which the University shall have the right to do at any time, Earnest Money will be discharged.

4. Should the successful tenderer fail or refuse to duly sign the contract within the period fixed by the University or fail/refuse to commence the work within the stipulated time, the Earnest Money shall be forfeited without prejudice to his being liable for any further loss or damage incurred in consequence by the University.

### **NO CLAIM FOR COMPENSATION FOR SUBMISSION OF TENDER:**

The Tenderer whose tender is not accepted shall not be entitled to claim any costs, charges and expenses of any incidental to or incurred by him thorough or in connection with his submission of tender, even though the University may modify/ withdraw the Tender.

### **LOWEST TENDER NOT NECESSARILY TO BE ACCEPTED:**

The University reserves the right to accept any Tender it considers advantageous / superior and is not bound to accept the lowest alone and need not assign any reasons for non-acceptance.

### **TENDER EVALUATION:**

The Tenders received and accepted will be evaluated to ascertain the best and lowest workable tender in the interest of the University, for the complete work covered under the technical specifications and documents.



## SECTION – 5.

### TERMS AND CONDITIONS GOVERNING THE TENDER AND EXECUTION OF CONTRACT THEREOF.

#### 1. DEFINITIONS:

a) Unless otherwise required by the subject or context the terms herein below shall have the following meanings.

The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of Assam University and the Contract, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Registrar, Assam University and all the these documents taken together, shall be deemed to form one contract and shall be complementary to one another.

b) **Client** means Assam University acting through The Executive Engineer Assam University, Silchar.

c) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assigns of such individual, firm or company,

d) The expression **works** or **work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.

e) The **site** shall mean the land/ or other places, on, into or through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.

f) **Tender Value** means the value of the entire work as stipulated in the letter of award.

g) Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.

h) As stated in Section III, Clause 1.1, the General Conditions of Contract for Central PWD Works shall be the guiding principles for this tender. The Clauses of Contract mentioned therein shall also be applicable herein and only those Clauses that need addition, emphasis and modification in context of this tender are enumerated below. Contractors are once again advised to familiarize themselves with the General Conditions of Contract for Central PWD Works.



## 2. SIGNING OF CONTRACT AGREEMENT

- i. On the tender being accepted by the Client, a formal contract may be signed and executed by and between the Client and the successful tenderer within a time to be fixed by the Client, which shall anyhow be within 15 days from the stipulated date of start of the work.
- ii. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

## 3. DISCREPANCIES AND ADJUSTMENT OF ERRORS

- i. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.
- ii. If there are varying or conflicting provisions made in any one document forming part of the contract, the Registrar, Assam University shall be the deciding authority with regard to the intention/ interpretation of the document and his decision shall be final and binding on the contractor.
- iii. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contracts.

## 4. TERMS OF PAYMENT

Subject to any deduction, which the client may be entitled to make under the Contract, all payments to contractor for the work would be made by Cheque / Demand Draft/Account transfer in favour of the contractor on **satisfactory completion works on monthly basis on submission of bills along with the requisite documents as directed.**

## 6. SUB CONTRACTING OF THE WORK

The Contractor is not permitted to assign or transfer his/ their obligation or benefit under the contract either in full or in part to other individuals/ firms / agencies. However, under extreme circumstances where sub-contracting of part of the work is unavoidable, prior written permission of Client shall be taken by the Contractor.

\*\*\*\*\*



### Annexure

The buildings and major electrical items / equipment to be maintained by the contractor are as under

Sr. No.	Name of buildings	Remarks
01	Vice Chancellor's Bungalow	
02	Guest House and International Guest house	
03	68 Nos. Teaching and 22 Nos. Non-Teaching quarters	
04	Pump House	
05	Seminar Halls (02 nos.)	
06	Administrative Office	
07	Examination Branch	
08	TAC complex	
09	Health Centre	
10	Student Community Centre	
11	Ladies Hostels (05 Nos.)	
12	Boy's Hostels (04 Nos.)	
13	Central Library Cum Computer Centre	
14	Deptt. of Business Administration	
15	Academic Building II(School of Indian Languages)	
16	English & Foreign Language Building	
17	Academic Building I (Mass Comm. and Fine Arts)	
18	Deptt. of Social Work Building	
19	Deptt. of Education Building	
20	Deptt. of History, Pol. Science and Sociology Building	
21	Deptt. of Commerce and Economics Building	



22	Deptt. of Mathematics and CIL Building	
23	Deptt. of Computer Science Building	
24	Deptt. of Chemistry Building	
25	Deptt. of Physics Building	
26	Deptt. of Ecology and Env. Science Building	
27	Deptt. of Life Science Building	
28	Deptt. of Bio-Technology Building	
29	Deptt. of Micro-Biology Building	
30	Deptt. of Earth Science Building	
31	Deptt. of Agriculture and Information Technology Building	
32	Deptt. of Pharmaceutical Science Building	
33	Control room of 5-Sub-Station	
34	Street Lights and Compound lights within University Campus	
35	Intermediate Pumping Station	
36	Deptt. of Law Building	
37	Deptt. of Library & Information Science Building	
38	Sports Complex	
39	Electronics and Telecommunication	

Note: Any other building within the Assam University Campus may be included as decided by authority.



## **PRICE BID**

**TENDER FOR ELECTRICAL ANNUAL MAINTENANCE WORKS, AT**  
**ASSAM UNIVERSITY, SILCHAR.**



**ASSAM UNIVERSITY, SILCHAR**

**(A Central University Established by an Act of Parliament)**

**Silchar-788011, Assam, India.**

Certified that this Price Bid contains (15) pages including the cover page.

**Part-B. Cost of material for Electrical Annual Maintenance Works, At Assam  
University,Silchar**

Sl No	Description of Items		Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
1	<b>A.Building Luminaries</b>	60 W Incandescent lamps(Pin Type)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
2		100 W Incandescent lamps(Pin Type)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
3		200 W Incandescent lamps(Pin Type)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
4		T-5 lamps 24/28 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
5		Electornic ballast for24 /28 W T-5 lamps	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
6		9 W PLS , 2 Pin lamps	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
7		11 W PLS , 2 Pin lamps	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
8		13 W PLC , 2 Pin lamps	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
9		18 W PLC , 2 Pin lamps	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
10		36/40 W Tube Light Fittings complete, CRCA,MS, Box Type.	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
11		36/40 W Slim Tube Light Fittings complete, PVC body type	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
12	36/40 W Tube Light	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
13	CFL 11 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
14	CFL 14 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
15	CFL 18 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
16	CFL 30 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
17	CFL 36 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
18	CFL 85 W 4U	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
19	Flourescent Tube Starters	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
20	40 W Electronic Ballast	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
21	Flourescent Lamp Side Holders	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
22	Electronic Ballast for 1XPL-S 9W/11W (230 V, 50 Hz.)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
23	Electronic Ballast for 1XPL-C 13W/18W (230 V, 50 Hz.)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
24	PLS/PLC Lamp Holders	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
25	Lamp Holders PVC	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
26	Lamps Holders Porcelain	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
			<b>Sub Total A</b>	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
27	<b>B.Outdoor/Street luminaries</b> Electornic ballast for24 /28 W T-5 lamps/4X14 W. T-5	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
28	T-5 lamps 24/28 W/1X14 W. T-5	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
29	Halogen Lamps 500 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
30	Halogen Lamps 1000 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
31	Halogen Lamps fitting for 500 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
32	Halogen Lamps fitting for 1000 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
33	HPSV lamp 250 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
34	HPSV lamp 150 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
35	HPSV Ballast 250 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
36	HPSV Ballast 150 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
37	HPSV lamp fittings 250 W complete	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
38	HPSV lamp fittings 150 W complete	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
39	Metal Halide Lamps 400W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
40	Metal Halide Lamps 150 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
41	Metal Halide Lamps 70 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
42	Metal Halide Lamps fittings 400W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
43	Metal Halide Lamps fittings 150 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
44	Metal Halide Lamps fittings 70 W	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
45	Metal Halide Lamps 400W Ballast	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
46	Metal Halide Lamps 150 W Ballast	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
47	Metal Halide Lamps 70 W Ballast	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
48	Ignitors	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
			<b>Sub Total B.</b>	
49	<b>C.Capacitors</b> Capacitors 230/415 V ,AC, 50 Hz			
50	2.5 mfd	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
51	3.5 mfd	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
52	4.0 mfd	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
53	6.0 mfd	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
54	10.0 mfd	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
			<b>Sub Total C</b>	
55	<b>D. Wiring Accessories</b> 230 V , 5/6 A single pole switch (one way) PIANO type ,White Colour	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
56	230 V ,15/16 A single pole switch (one way) PIANO type ,White Colour	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
57	230 V,6A ,3 pin Socket Out let	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	
58	231 V,16A , 6pin Socket Out let	Bajaj/Phillips/HLP/CG/APW D/CPWD	Nos.	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
59	230 V,6A , S.S. combined	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
60	231 V,16A , S.S. Combined	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
61	20 A ,240 V SPN Industrial Type socket outlet with 2 pole and earth , metal enclosed plug top along with 20 A ,"C "curve SP MCB in SS enclouser complete set	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
62	20 A ,415 V TPN Industrial Type socket outlet with 4 pole and earth , metal enclosed plug top along with 20 A ,"C "curve TP MCB in SS enclouser complete set	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
63	30 A ,415 V TPN Industrial Type socket outlet with 4 pole and earth , metal enclosed plug top along with 20 A ,"C "curve TP MCB in SS enclouser complete set	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
64	Ceiling Rose, 3 pin, 5 A ISI marked	Bajaj/Phillips/HLP/CG/APWD/CPWD	Nos.	
			<b>Sub Total D.</b>	
65	<b>E.Cables</b> 1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Meter	
66	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Meter	
67	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Meter	
68	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Meter	
69	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Meter	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
70	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
71	4 sq mm. 2 core PVC wheather Proof Cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
72	10.00 mm. sq 3 Core U.G cable(Unarmoured)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
73	16.00 mm. sq 3 Core U.G cable(Unarmoured)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
74	25.00 mm. sq 3 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
75	16.00 mm. sq 4 Core U.G cable(Unarmoured)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
76	10.00 mm. sq 2 Core U.G cable(Unarmoured)	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
77	25.00 mm. sq 3.5 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
78	35.00 mm. sq 3.5 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
79	50.00 mm. sq 3.5 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
80	70.00 mm. sq 3.5 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
81	95.00 mm. sq 3.5 Core U.G cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
			<b>Sub Total E.</b>	
82	<b>F.Cable Accessories</b> 20 mm dia. ISI marked, PVC conduit	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
83	25 mm dia. ISI marked, PVC conduit	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
84	32 mm dia. ISI marked, PVC conduit	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
85	40 mm dia. ISI marked, PVC conduit	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	
86	50 mm dia. ISI marked, PVC conduit	Bajaj/Phillips/HLP/CG/APW D/CPWD	Meter	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
87	Aluminium lugs for 6 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
88	Aluminium lugs for 10 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
89	Aluminium lugs for 16 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
90	Aluminium lugs for 25 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
91	Aluminium lugs for 35 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
92	Aluminium lugs for 50 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
93	Aluminium lugs for 70 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
94	Aluminium lugs for 95 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
95	Aluminium lugs for 120 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
96	Aluminium lugs for 150 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
97	Aluminium lugs for 185 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
98	Aluminium lugs for 225 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
99	Aluminium lugs for 240 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
100	Aluminium lugs for 300 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
101	Aluminium lugs for 400 sq. mm cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Each	
102	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 25 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Set	
103	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Set	
104	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APWD/CPWD	Set	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
105	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 70 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
106	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
107	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
108	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
109	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 185 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
110	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 225 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
111	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
112	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
113	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
			<b>Sub Total F.</b>	
114	<b>G.Ceiling /Exhaust Fan</b> Repairing and rewinding of field coils including VIR looping ,winding, varnishing,testing complete of Ceiling fan/wall Fan/Exhaust fan/Stand fan	Bajaj/Phillips/HLP/CG/APW D/CPWD		
115	Exhaust Fan 300 mm Heavy Duty, 1400 rpm	Bajaj/Phillips/HLP/CG/APW D/CPWD		
116	Exhaust Fan 300 mm , Domestic	Bajaj/Phillips/HLP/CG/APW D/CPWD		
117	Stepped type Fan regulator	Bajaj/Phillips/HLP/CG/APW D/CPWD		
118	High speed 1200 mm swep Ceiling Fan	Bajaj/Phillips/HLP/CG/APW D/CPWD		
			<b>Sub Total G.</b>	

Sl No	Description of Items	Approved Make	Unit of Material(UOM)	Unit Price(Rs.)
119	<b>H. Switchgears</b> 2+2 way, SPN, single door, MCB DB	Bajaj/Phillips/HLP/CG/APW D/CPWD		
120	2+4 way, SPN, single door, MCB DB	Bajaj/Phillips/HLP/CG/APW D/CPWD		
121	2+6 way, SPN, single door, MCB DB	Bajaj/Phillips/HLP/CG/APW D/CPWD		
122	4 way (4+12), TPN, MCB DB, single door, horizontal type	Bajaj/Phillips/HLP/CG/APW D/CPWD		
123	6 way (4+18), TPN, MCB DB, single door, horizontal type	Bajaj/Phillips/HLP/CG/APW D/CPWD		
124	415 V, 4P,Changeover switch	Bajaj/Phillips/HLP/CG/APW D/CPWD		
125	40 A.	Bajaj/Phillips/HLP/CG/APW D/CPWD		
126	63 A	Bajaj/Phillips/HLP/CG/APW D/CPWD		
127	100 A	Bajaj/Phillips/HLP/CG/APW D/CPWD		

**Sub Total H.**

128	<b>I.Distribution Transformer Works/LT Line</b> Shackle insulator ( 75 mm X 90 mm ) with G.I. bolts and nuts	Bajaj/Phillips/HLP/CG/APW D/CPWD	set	
129	Shackle insulator ( 100 mm X 110 mm ) with G.I. bolts and nuts	Bajaj/Phillips/HLP/CG/APW D/CPWD	set	
130	Pin insulator ( 100 mm X 65 mm ) with G.I. spindle and nuts	Bajaj/Phillips/HLP/CG/APW D/CPWD	set	
131	Pin insulator ( 100 mm X 80 mm ) with G.I. spindle and nuts	Bajaj/Phillips/HLP/CG/APW D/CPWD	set	
132	MV horn gap lightning arrestor with pin insulator ( 100 mm X 65 mm ), spindle and brass metal parts etc.	Bajaj/Phillips/HLP/CG/APW D/CPWD	set	
133	15 amps aerial fuse complete with porcelain tube as required	Bajaj/Phillips/HLP/CG/APW D/CPWD	each	
134	30 amps aerial fuse complete with porcelain tube as required	Bajaj/Phillips/HLP/CG/APW D/CPWD	each	
135	Strain insulator 11 KV	Bajaj/Phillips/HLP/CG/APW D/CPWD	each	
136	11 KV disc insulator	Bajaj/Phillips/HLP/CG/APW D/CPWD	Set	
			<b>Sub Total I.</b>	



## Part-A. Cost of Engagement of Manpower.

### Rate Analysis-1

#### Item No-1 Electrical Supervisor(Skilled)

Note: The wages to be paid as per Minimum Wages Act as applicable for construction or Maintenance in Building operation/Underground cable works/Electric lines. The rate quoted shall not be less than prescribed Minimum rate of Wages as per the latest circular of Govt. of India, Ministry of Labour & Employment, Office of the Regional Labour Commissioner(C) Guwahati.

SI No	Category	Quantity	Unit	Rate	Amount
1.1	Electrical Supervisor(Skilled)	1	Man day		
1.2	Add tools , plant & overheads, if any on item SI No. 1.1 @.....%				
1.3	Add for contractors profit on SI no 1.1 @.....%				

Total Amount per Man Day(Rs.)

### Rate Analysis-2

#### Item No-1 Electrician(Skilled)

Note: The wages to be paid as per Minimum Wages Act as applicable for construction or Maintenance in Building operation/Underground cable works/Electric lines. The rate quoted shall not be less than prescribed Minimum rate of Wages as per the latest circular of Govt. of India, Ministry of Labour & Employment, Office of the Regional Labour Commissioner(C) Guwahati.

SI No	Category	Quantity	Unit	Rate	Amount
1.1	Electrician(Skilled)	1	Man day		
1.2	Add tools , plant & overheads, if any on item SI No. 1.1 @.....%				
1.3	Add for contractors profit on SI no 1.1 @.....%				

Total Amount per Man Day(**Rs.**)

### Rate Analysis-3

#### Item No-1 Electrical Helper(Semi Skilled)

Note: The wages to be paid as per Minimum Wages Act as applicable for construction or Maintenance in Building operation/Underground cable works/Electric lines. The rate quoted shall not be less than prescribed Minimum rate of Wages as per the latest circular of Govt. of India, Ministry of Labour & Employment, Office of the Regional Labour Commissioner(C) Guwahati.

SI No	Category	Quantity	Unit	Rate	Amount
1.1	Electrical Helper(Semi Skilled)	1	Man day		
1.2	Add tools , plant & overheads, if any on item SI No. 1.1 @.....%				
1.3	Add for contractors profit on SI no 1.1 @.....%				

Total Amount per Man Day(Rs.)

**Price Bid for Man Power Engagement**

<b>SL no.</b>	<b>Category</b>	<b>Requirement Quantity</b>	<b>Unit rate (as per Rate Analysis)</b>	<b>No of Job days</b>	<b>Total Amount</b>
1	Electrical Supervisor	2		365	
2	Electrician	4		365	
3	Electrical Helper	10		365	

**Part-A Total Amount (Rs.)**

In words:

Signature with seal