

**CSIR- INDIAN INSTITUTE OF CHEMICAL BIOLOGY, KOLKATA**  
**4, RAJA S. C. MULLICK ROAD, JADAVPUR, KOLKATA –700032.**

Name of Work : Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB,  
Jadavpur, Kolkata

Tender No. : Admn. 26 (365) / 2017

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**NOTE:**

1. Tenderer should confirm that they have downloaded and taken print at its true format as displayed of all the above papers. All the documents downloaded are to be submitted duly signed by the tenderer while submitting his offer.

2. \*\* Available in CSIR-IICB website, i.e. [www.iicb.res.in/tender.html](http://www.iicb.res.in/tender.html)

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4, RAJA S. C, MULLUICK ROAD, JADAVPUR,  
KOLKATA – 700 032.

**SHORT TENDER NOTICE**

Tender No. : Admn. 26(365) / 2017

Date: 1 0 / 0 2 / 2017

Sealed item rate tenders are being invited in two envelope system from eligible contractors who have worked for CPWD, Railway, Post & Telegraph Dept, MES, State PWD,s, other government departments or Semi Government Organizations or CSIR or its Laboratories / Institutes and have successfully carried out the electrification works and provided necessary services to Maintain Electrical Distribution systems at any Research Institute, Higher Academic Institute, Hospital, Medical Institute or Office Building. For further detail about eligibility criteria and other information visit website [www.iicb.res.in/tender.html](http://www.iicb.res.in/tender.html)

- |                                      |  |
|--------------------------------------|--|
| 1. Name of work                      | Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata |
| 2. Estimated Cost                    | Rs.253500 Lakh (Rupees Two Lakh Fifty Three Thousand Five Hundred Only)                          |
| 3. Time of Completion                | One Year [Annual Rate Contract]  |
| 4. Cost of Tender                    | Rs.500.00 (Rupees Five Hundred Only)   |
| 5. EMD                               | Rs.5,070.00 (Rupees Five Thousand Seventy Only)  |
| 6. Availability of tender at website | 10/02 /2017 to 20/02/2017  |
| 7. Last date & time of submission    | 21/02/2017 up to 3.00 PM   |
| 8. Date & Time of Opening            | 21/02/2017 at 3.30 PM  |

SUPERINTENDENT ENGINEER  
(Electrical)

- C. C. 1). Notice Board, CSIR-IICB, for display
- 2). In-Charge, Computer Division for display at CSIR-IICB Website

Signature of Tenderer with Seal

**CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY  
KOLKATA –700 032.  
NOTICE INVITING TENDERS**

Tender No. : Admn. 26 (365) / 2017

1. Tenders are hereby invited for the work of “**Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata**” in single envelope system from eligible contractors who have worked for CPWD, Railway, Post & Telegraph Dept, MES, State PWD,s, other government departments or Semi Government Organizations or CSIR or its Laboratories / Institutes and have successfully carried out the electrification works and provided necessary services to Maintain Electrical Distribution systems at any Research Institute, Higher Academic Institute, Hospital, Medical Institute or Office Building. (minimum three works amounting to Rs. **101400.00** and above or two works of Rs. **126750.00** and above or one work of Rs. **202800.00** and above) during the last seven years. [certified copies of relevant documents to be attached]

The Tenderer are required to produce proof of fulfilling these conditions along with latest Electrical License Professional Tax, Vat Registration, Trade License & Pan card with covering letter of the firm in a sealed envelope along with the tender to determine Eligibility for the work.

2. Estimated Cost is **Rs.2,53500.00** (Rupees Two Lakh Fifty Three Thousand Five Hundred Only). The estimate based on CPWD Delhi Schedule Rate 2014 and market rate. This estimate however is given merely as a rough guide.
3. Total time for carrying out the work will be **1 (One) Year** and the date of commencement shall be reckoned from the tenth day of issue of award letter.
4. Complete Contract documents to be complied with by the tenderer whose tender may be accepted can be seen at the IICB website [www.iicb.res.in](http://www.iicb.res.in)
5. Tenders should be on the specified form (Non transferable) which is available at the IICB website [www.iicb.res.in/tender.html/](http://www.iicb.res.in/tender.html/) from **10/02/2017 to 20/02/2017**. Interested contractors may download and take a print of all documents for filling up and submission. The **Cost of Tender amounting to Rs.500.00 (Rupees Five Hundred Only)** (Non-refundable) as Demand Draft or Pay Order of a scheduled bank drawn in favour of **Director, Indian Institute of Chemical Biology, Kolkata** should accompany the tender. Tender received without cost of tender will be invalid.
6. Tenders should be submitted in double sealed covers super scribed with the name of work, date and time of opening written both on the inner & outer envelopes. Eligibility documents and Financial Offers should be given separately in two sealed envelopes each marked with ‘Eligibility Documents’ and ‘Financial Offer’ respectively. Envelope-1 marked as ‘Eligibility Documents’ should contain Covering letter with prescribed annexure as referred above, Cost of Tender and Earnest Money and Envelope-2 marked as ‘Financial Offer’ should contain tender documents along with price bid. Both the envelopes shall be submitted together in another sealed envelope.

They will be received up to **3.00 P.M on 21/02/2017** and will be opened at **3.30 P.M on the same day at ESU Room No.50**. Tender should be dropped in the tender box kept in Room no. 50 at Office of the Head (ESU) before the closing date and time indicated. In case these are sent by post, these should be sent by Regd.post/speed post addressed to the **Director, CSIR-Indian Institute of Chemical Biology, 4 Raja S.C. Mullick Road, Kolkata – 700 032** . Tenderers are to ensure that they post the tender well in advance so as to reach before the closing time and date indicated.

The envelope marked as 'Eligibility Documents' shall be opened at the same day. The time and date of opening of Financial Offer of only the qualified tenderers shall be opened at the notified time, date and place in the presence of the tenderers preferably within a month.

7. The **Earnest Money amounting to Rs.5,070.00 (Rupees Five Thousand Seventy Only)** as Demand Draft or Pay Order of a schedule bank and drawn in favour of **Director, Indian Institute of Chemical Biology, Kolkata** should accompany the tender. Tenders received without earnest money will be invalid.
8. The Employer reserves the right to accept or to reject any tender, to annul the process and reject all tenders at any time without assigning any reason or incurring any liability to the tenderers. The Employer also reserves the right to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.  
The Employer does not bind himself to accept the lowest or any tender and 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 rates quoted.  
The Employer also reserves the right, without being liable for any damages or obligation to inform the tenderer, to:
  - (a) Amend the scope and value of contract to the tenderer
  - (b) Reject any or all the applications without assigning any reason.
9. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
10. The tenderer shall not be permitted to tender for works in the concerned unit of CSIR in which a relative is posted in the grade between Controller of Administration and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who are relatives as mentioned above.

**NOTE:** A person shall be deemed to be a relative of another if, and only if, (a) they are members of a Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner: Father, Mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father's father, Son's son, Son's son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's son's wife, Daughter's daughter, Daughter's daughter's husband, Brother ( including step brother), Brother's wife, Sister (including step sister), Sister's husband.

11. Tender submitted shall remain valid for 90 days from the date of opening of Financial Offer for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.
12. The tenderer shall quote rates both in figures and words. He shall also workout the amount for each item of work and write in both figures and words. On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed:
  - I. When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the tenderer, shall be taken as correct.
  - II. When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.
  - III. When the rate quoted by the tenderer in figures and in words tallies but the amount is not worked out correctly the rate quoted by the tenderer shall be taken as correct and not the amount.
13. The tenderer should see drawings and in case of doubt obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
14. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of materials, installations of tools and plants (T&P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstances.
15. (a) If any tenderer withdraws his tender before the expiry of the validity period, or before the issue of letter of acceptance or work order, whichever is earlier, or makes any modification in the terms and conditions of the tender which are not acceptable to the department, then the employer shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely.
  - (b). If the contractor fails to furnish the prescribed performance guarantee within the prescribed period, the earnest money will be absolutely forfeited to the employer.
  - (c). In case the contractor fails to commence the work specified in the tender documents or such time period as mentioned in the letter of award, after the date on which employer issues written orders to commence the work, or from the date of handing over of the site, whichever is later, the employer is at liberty to forfeit whole of the earnest money absolutely.
  - (d). If only a part of the work as shown in the tender is awarded, and the contractor does not commence the work, the proportionate earnest money with respect to cost of work so awarded will be forfeitedIn case of forfeiture of earnest money as above, the tenderer shall not be allowed to participate in re-tender of the work.

16. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. **Tenderers who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted along with the tender.**

17. Some of the provisions of General Conditions of Contract are given below. Interpretation however shall be as given in the General Conditions of Contract.

(a). Defect Liability Period: Twelve months from the date of completion as certified by the employer. (b). Minimum value of work for the intermediate certificate : Rs. 0.75 Lakh. However, Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Engineer.

(c). Security Deposit : A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work.

Performance Security : In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award or the period prescribed for deposition of performance security in the letter of intent issued to him whichever is earlier.

(d). Compensation : Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Employer (whose decision in writing shall be final) may decide on the cost of the whole work as shown in the agreement for every week that the work remains uncompleted or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the agreement.

18. Para no. 18. Deleted.

19. For all specialist jobs e.g. lights, air conditioning, public address, fire protection, security/surveillance and building management systems etc. technical (covering also general and commercial terms) and financial offers will be given separately in two sealed covers.

20. Purchase preference will be given to Central Public Sector Enterprise (CPSE) for award of works costing between Rs.5 crores to Rs.100 crores as per provisions contained in para 20.10.9 in CPWD Manual 2003 and OM No.DPE/13(12)/2003-Fin Vol.II dated 18.07.05 issued by department of Public Sector Enterprise, Govt. Of India.

21. Clauses No. 28 of conditions of contract i.e. "**ESCALATION**" will not be applicable in this contract since the duration of contract is less than 18 months.

22. **Special Condition :**

The work is to be done by the authorized applicator of specialized chemical / product manufacturer, as the case may be. Contractor need to submit Authorization Certificate of the applicator along with the tender.

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**CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY  
KOLKATA – 700 032.**

**BRIEF PARTICULARS OF WORK**

Tender No. : Admn. 26 (365) / 2017

- 1). Name of Work : Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata
- 2). Estimated Cost : Rs. 2,53,500.00 (Rupees Two Lakh Fifty Three Thousand Five Hundred Only)
- 3). Period of Completion : One Year [Annual Rate Contract]
- 4.) Scope of the work :

The scope of work for Annual Rate Contract for Electrical Distribution system includes Renovation/ Repair / Routine Maintenance of Electrical Panels, Distribution Boards, etc and Supplying / fixing of Electrical components, switchgears and internal electrification works. The total work is classified into Sub- Heads as mentioned below,

**Sub- Head - I: Maintenance of Electrical systems of IICB Jadavpur, Kolkata-700032**

Electrical Maintenance works are to be carried out in office buildings, Laboratories, Workshops and outdoor areas on all working days throughout the Maintenance Contract period, the firm/ Maintenance Contractor has to depute at least **one skilled manpower (Electrician) and semi-skilled manpower (Helper)** along with the required tools and plants for attending preventive and general electrical maintenance systems of IICB Jadavpur on regular basis from **9.00 am to 6.00 pm** on all working days except holidays as per instruction of Engineer in-charge of the work / Maintenance Engineer (Electrical) or his representative.

On the basis of actual work requirement and for special service & maintenance works of Electrical system, the firm may have to carry out the work on holidays, Nature of duties of skilled and semi-skilled manpower can be modified as per actual site requirement and instruction of Engineer in-charge. The technical personnel deputed by the firm should have sufficient experience of carrying out electrical works in LT distribution systems multistoried office buildings, Academic institutions, Laboratories, Hospitals, Industrial Sheds and open areas etc. The firm should have valid license to work up to 6 KV installations and should have proper knowledge of Electrical safety system.

During execution of Maintenance / Rate contract, representatives of the firm to co-ordinate with Engineer- in – charge or his representative on regular basis to ensure smooth functioning of Electrical Distribution System and other works. The contractor has to carry out the work as per particulars of BOQ. The contractor has to keep the records of the works carried out in a particular register and to furnish the Monthly Report of the work carried out during that period /month. (Format of the monthly report may be decided during execution of the work)

Brief descriptions are given for each item in Bill of Quantities (BOQ). All the works are to be carried out as per the instruction of Engineer - in – charge or his representative and as per

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Standard Engineering practices. Here it is to be mentioned that **Technical Specification of CPWD** will generally be followed for all types of Electrification works under this contract. Any omission in item description will not absolve the contractor to carry out the works and maintain the system effectively. All the tenderers are requested to visit the site / IICB Jadavpur office campus to assess the quantum of work involved before submitting the tender so that they can see the existing systems for any clarification.

On award of maintenance contract, extra claim for any work or part of work related to above mentioned works will not be entertained however addition work may be given on the basis of mutual understanding between the firm & IICB Jadavpur. In case of non-operation of any electrical or services systems and non-attending of electrical complaints, penalty may be imposed. After expiry of the contract the firm will have to hand over complete system along with all the accessories to the department in fully functional condition.

All the works related to above mentioned subject is to be carried out as per Schedule of work and terms and conditions of Contract of CSIR- IICB Kolkata.

- 1) For Execution of the Work within the CSIR- IICB Campus during working hours / beyond office hours or on holidays, necessary formalities to be made with concerned Divisions/ Sections of CSIR- IICB. For all types of materials, which are to be taken out of the CSIR- IICB campus, proper type of "Gate Pass", are to be collected from Electrical Division and same are to be produced at the Main Gate of the Institute.
- 2) As CSIR- IICB is a busy Research Institute cum office, for Electrical service & Maintenance or other related works, program in advance to be fixed, in consultation with the users, so that normal service can be maintained even during Servicing & Maintenance works. **"Time Schedule" may change considering the urgency of Departmental works.** The delay in providing necessary services and for non-performance of assigned work, appropriate penalty may be imposed. Such rate of penalty may be decided from time to time by CSIR- IICB authority, on the basis of importance of services required.
- 3) All the Materials are to be supplied of the make specified in the Contract document. For all the materials relevant IS Code of Practices should be referred to ascertain necessary technical particulars. For all the jobs as specified in the Schedule of work, proper Register/ Record instruction of the Engineer- in Charge are to be maintained. Quarterly payment will be made at the end of each quarter on the basis of actual work done.
- 4) For Servicing maintenance & overhauling works, Technical specifications of the Electrical equipments are to be followed. However for method of handling & installation of the equipments, standard Engineering practices and instruction of the Engineer-in-Charge to be followed. For all types of related works all necessary accessories are to be arranged by the firm as per specific requirement.
- 5) All the works to be carried out as per Bill of quantities (BOQ), Schedule of work and terms and conditions of Contract of CSIR- IICB Kolkata. As it is Rate Contract, CSIR- IICB Authority will decide total quantity of the each item. The quoted rate for all the items will remain valid for a period of one year from the date of award of work.

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Deviation of work or Quantity of any Item if any will be allowed only on approval of CSIR- IICB Authority.

- 6) All Dismantled/ un-serviceable materials related to the particular work are to be deposited to the Departmental Store or at the location as specified by the Engineer-in-charge. Working site must properly be cleared before handing over the same to the Department.
- 7) For Handling, laying & termination of cables, excavation of soil, providing of sand cushioning and protective covers etc. the norms as specified in the General Specification for Electrical Works, Part- II, 1994/1995 of CPWD will generally be followed. Copy of the above-mentioned specifications is available in the office of Electrical Engineering Services Group, CSIR- IICB Durgapur for reference purpose.
- 8) For Installation, testing & commissioning of Switchgear and Switchgear components, Technical specification of the manufacturers of the equipments will be followed. However for method of handling & installation of the equipments, standard Engineering practices and instruction of the Engineer-in-Charge to be followed.
- 9) For Cables, Test Reports with particulars of Batch No, Drum No. etc. to be submitted to CSIR- IICB for reference purpose. Engineer-in charge of the work may decide to visit the works of the cable manufacturer to witness the all-necessary tests. Insulation Resistance Tests of Cables to be carried out before & after lyeing of power cables.
- 10) General Arrangement (GA) drawing, dimensional detail, Ratings & Characteristics including working manual (if any) are to be submitted for different components & accessories on demand.
- 11) Detail Inventory List with two copies of "As Built Drawing " to be submitted on completion of the work but before processing of Final Bill for payment on demand.
- 12) Dusting & cleaning of the Switch Boards / Electrical Panels/ Building Distribution Boards. For cleaning of Panel interiors electrically operated Blower may be used whereas for cleaning of external surfaces suitable cleaning materials /solution to be used. All the consumable items required for the purpose to be provided by the contractor.
- 13) Dusting & cleaning of the surroundings (Floors & Walls within the room) of all the Switch Boards / Electrical Panels/ Building Distribution Boards including removal of scrap materials from the site of Electrical panels to specified location within IICB Jadavpur Campus to be carried out as per the direction of E-I-C from time to time.
- 14) Checking and doing necessary servicing of switching mechanisms of all the Switches / Switch Fuse units installed in Electrical Panels / Distribution Boards etc including putting machine oil, grease etc. and Petroleum Jelly at contact terminals etc. complete as required for smooth functioning of Switches & Switching Devices.

Signature of Tenderer with Seal

- 15) Fixing of Electrical components & accessories as supplied by the Department including testing & commissioning of the same after dismantling the existing / faulty components.
- 16) At the time of execution of work, Identification of the Switches, Switch Fuse Units or MCCB Feeders are to be made and Identification Tags (supplied by the Department) for Switches, Switch Fuse Units, MCCBs Bus Bars and Switch Board / Distribution Panels etc. if any, are to be pasted as per instruction given by the departmental Engineers.
- 17) On completion of the work details of Incoming & Outgoing Feeders, their component ratings, Cable sizes etc. as per Format enclosed to be submitted to the Department for reference purpose.
- 18) To carry out the referred work, **Power Shut Down** will be required, **proper Planning should be done in consultation of Departmental Engineers in advance** so that alternative arrangement can be made or the Shut down period can be minimized. The assigned work may be carried out beyond office hours or on holidays **without any "Extra Claim"** for the same. Necessary approval to taken from the authority for carrying out work beyond normal working hours.
- 19) Only skilled / experienced workmen (Electricians, Wiremen) must be engaged for servicing & maintenance works of Switch Boards / Electrical Panels. Unskilled personnel are not allowed to handle the Electrical systems. Thus it will be considered the prime responsibility of the working contractor to follow the same as per IE Norms.
- 20.) Intending/Eligible Tenderers are to submit credentials of successful completion of works of similar nature.

**CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY  
KOLKATA – 700 032.**

**SUMMARY OF COST**

Tender No. : Admn. 26 (365) / 2017

**Name of Work :** Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata

- |   |           |
|---|-----------|
| 1. SUB HEAD - I: Wiring & Internal Electrification          | = Rs..... |
| 2. SUB HEAD - II: Distribution Network                      | = Rs..... |
| 3. SUB HEAD - III: Supply & Installation of Electrical Item | = Rs..... |
| 4. SUB HEAD - IV: Cabling Works                             | = Rs..... |
| 5. SUB HEAD - V: Earthing System                            | = Rs..... |
| 6. SUB-HEAD - VI: Miscellaneous Works                       | = Rs..... |

**Total** [brought forward from page no. 26] = Rs.....

**Total in Words: (Rupees.....  
.....only)**

Signature of Tenderer with Seal

**CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY  
KOLKATA – 700 032.**

Tender No. : Admn. 26 (365) / 2017

**BILLS OF QUANTITY**

Name of Work : Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata

SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
	<b><u>SUB HEAD - I: Wiring &amp; Internal Electrification</u></b>				
1.0	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required.	1	Point		
2.0	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required				
2.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	1	Meter		
2.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1	Meter		
2.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1	Meter		
2.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	1	Meter		
2.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	1	Meter		
3.0	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	1	Point		
4.0	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				

Signature of Tenderer with Seal

SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	1	Meter		
4.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1	Meter		
4.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1	Meter		
4.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	1	Meter		
4.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	1	Meter		
5.0	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel /PVC conduit including dismantling as required.	1	Point		
6.0	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as required.				
6.1	1 x 1.5 sq. mm	1	Meter		
6.2	2 x 1.5 sq. mm	1	Meter		
6.3	3 x 1.5 sq. mm	1	Meter		
6.4	2 x 2.5 sq. mm	1	Meter		
6.5	3 x 2.5 sq. mm	1	Meter		
6.6	2 x 4 sq. mm	1	Meter		
6.7	3 x 4 sq. mm	1	Meter		
6.8	2 x 6 sq. mm	1	Meter		
6.9	3 x 6 sq. mm	1	Meter		
6.10	1.5 sq mm 3 core round PVC copper wire	1	Metre		
6.11	2.5 sq mm 3 core round PVC copper wire	1	Metre		
7.0	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				

Signature of Tenderer with Seal

SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
7.1	20 mm	1	Metre		
7.2	25 mm	1	Metre		
8.0	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
8.1	20 mm	1	Metre		
8.2	25 mm	1	Metre		
9.0	Supplying and fixing of following size of PVC flexible/ casing cappingt alongwith the accessories in surface / recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.				
9.1	20 mm [PVC flexible]	1	Metre		
9.2	25 mm [PVC casing capping]	1	Metre		
10.0	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
10.1	100 mm X 100 mm X 60 mm deep	1	Each		
10.2	200 mm X 150 mm X 60 mm deep	1	Each		
10.3	200 mm X 250 mm X 60 mm deep	1	Each		
10.4	200 mm X 300 mm X 60 mm deep	1	Each		
11.0	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
11.1	5/6 amps switch	1	Each		
11.2	15/16 amp switch	1	Each		
11.3	3 pin 5/6 amp socket outlet	1	Each		
11.4	6 pin 15/16 amp socket outlet	1	Each		
11.5	3 pin 15/16 amps plug top	1	Each		

Signature of Tenderer with Seal

SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
12.0	Supplying and fixing metal box of 200mm X 250mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 2 x 5 pin 5/6 amps socket outlet, 2 x 5/6 amps piano type switch, 1 x 6 pin 15/16 amps socket outlet, 1 x 15/16 amps piano type switch and 1x16 amps kitkat fuse, connection, painting etc. as required.	1	Each		
13.0	Supplying and fixing metal box of 200mm X 250mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 2 x 5 pin 5/6 amps socket outlet, 2 x 5/6 amps piano type switch, 2 x 6 pin 15/16 amps socket outlet, 2 x 15/16 amps piano type switch and 1x16 amps kitkat fuse, connection, painting etc. as required.	1	Each		
14.0	Supplying and fixing metal box of 200mm X 250mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 x 5 pin 5/6 amps socket outlet, 3 x 5/6 amps piano type switch, 1 x 6 pin 15/16 amps socket outlet, 1 x 15/16 amps piano type switch, 1 x 15/16 amps plug top, 1x16 amps kitkat fuse and 1.5 sq mm round PVC cord 5 metre, connection, painting etc. as required.	1	Each		
15.0	Supplying and fixing of phenolic laminated sheet cover of 200 mm x 250 mm x 3 mm sizes for fitted on the existing switch box including cutting of hole for fixing of switch, socket, fuse, etc. as required all complete.	1	Each		
16.0	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	1	Each		
17.0	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	1	Each		

Signature of Tenderer with Seal

SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
18.0	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	1	Each		
19.0	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	1	Each		
20.0	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
20.1	Upto 450 mm sweep	1	Each		
21.0	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	1	Each		
22.0	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc as required.	1	Each		
	<b>Total of Sub Head - I : Rs.</b>				
	<b><u>SUB HEAD - II : Distribution Network</u></b>				
1.0	Replacement of existing conventional & old / wornout / under rated MCB / MCCB DB's, Busbar type SPN / TPN DB's with the 240 / 415 volts, on surface / recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB / MCCB / RCCB / RCBO / Isolator)				
1.1	4 way, single door	1	Each		
1.2	4 way, double door	1	Each		
1.3	8 way, double door	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1.4	12 way, double door	1	Each		
1.5	4 way (4 + 12), double door, horizontal type	1	Each		
1.6	8 way (8 + 24), double door, horizontal type	1	Each		
1.7	4 way (8 + 12), double door, vertical type	1	Each		
1.8	8 way (8 + 24), double door, vertical type	1	Each		
2.0	Replacement of conventional & wornout 160 / 250A busbar type DB's with surface / recess mounting, vertical type, 415 volts, TPN MCCB distribution board of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned copper busbar, common neutral link, earth bar, din bar for mounting MCB's, detachable gland / knock out plate, and with 160/250 amps, 16/36 KA MCCB as incomer interconnection between incomer MCCB and busbars of following ways (but without MCCB's) as required.				
2.1	8 way with 160 amps MCCB as incomer	1	Each		
2.2	12 way with 250 amps MCCB as incomer	1	Each		
2.3	160A DPX spreader links [4 links set]	1	Each		
2.4	250A DPX spreader links [4 links set]	1	Each		
3.0	Replacement of under rated / defective MCB's of 6 amps to 100 amps rating, SP / DP / TP/ TPN / FP, 240 / 415 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB / MCCB DB's complete with connections, testing and commissining etc. as required.				
3.1	6 to 32A SP MCB	1	Each		
3.2	40 to 63A SP MCB	1	Each		
3.3	6 to 32A SP&N/DP MCB	1	Each		
3.4	40 to 63A DP MCB	1	Each		
3.5	6 to 32A TP MCB	1	Each		
3.6	40 to 63A TP MCB	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3.7	100A TP MCB	1	Each		
3.8	6 to 32A TP&N/FP MCB	1	Each		
3.9	40 to 63A TP&N/FP MCB	1	Each		
3.10	100A FP MCB	1	Each		
3.11	125A FP MCB	1	Each		
3.12	160A DPX MCCB, 16KA, FP	1	Each		
3.13	250A DPX MCCB, 36KA, FP	1	Each		
4.0	Providing & fixing of DP/TP/FP MCB enclosure complete with Din Channel for installing it including connection & body earthing complete as required. (But without MCB's)	1	Each		
	<b>Total of Sub Head -II : Rs.</b>				
	<b><u>SUB HEAD - III : Supply &amp; Installation of Electrical Item</u></b>				
1.0	Supply of surface mounting lighting luminaire (Philips slimline 18W, 4 feet, LED / Syska 22W, 4 feet, LED) with cool white / warm white. 1 x 18/22W including accessories all complete.	1	Each		
1.1	Supply of surface mounting lighting luminaire (Philips slimline 18W, 4 feet, LED / Syska 22W, 4 feet, LED) with cool white / warm white. 2 x 18/22W including accessories all complete.	1	Each		
2.0	Replacement of following components & accessories in the existing electrical installations:				
2.1	11W PL-S, CFL LAMPS, 4P	1	Each		
2.2	11W PL-S, CFL LAMPS, 2P	1	Each		
2.3	100W GLS lamp	1	Each		
2.4	200W GLS lamp	1	Each		
2.5	TUV 30W G30T8 UV-C lamp	1	Each		
2.6	20/40 watt FTL Starter	1	Each		
2.7	Starter holder / Base	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
2.8	Tube lamp holder for single/double fluorescent tube light	1	Pair		
2.9	2 mfd capacitor for ceiling fan	1	Each		
2.10	2.5 mfd capacitor for ceiling fan	1	Each		
2.11	Ball Bearing suitable for different types of ceiling fan	1	Set		
2.12	Electronic fan regulator suitable for 48" sweep ceiling fan. 300 W (switch type).	1	Each		
2.13	15/16 amps Automatic single phase motor starter (OLP-3)	1	Each		
2.14	20/21 amps Automatic single phase motor starter (OLP-3)	1	Each		
2.15	28W TL5 true light	1	Each		
2.16	Electronic choke for TL5 lamp (Cat. No. EBE (SLIM) 128 TL5)	1	Each		
2.17	Electronic choke for TL5 lamp (Cat. No. EBE 236 TL5)	1	Each		
2.18	Adaptor for fitting of TL5 lamp	1	Pair		
2.19	UTCON-08A time switch for 2 AC's with enclosure [AC controller with sequential]	1	Each		
2.20	36W TRULITE	1	Each		
2.21	18W TRULITE	1	Each		
2.22	36/40W copper choke	1	Each		
2.23	4 Pin 36W PL-L lamp	1	Each		
3.0	Supply of ceiling luminaires with mirror optics housing aesthetically designed using 3D profile high grade engineering plastic suitable for use with 2 x PL-S 11W-86 lamps (Cat. No. FCS 518 / 211).	1	Each		
4.0	Supply of surface mounting lighting luminaire (TMC 19 / 140) with Ultra Violate (TUV 40W UV-C) lamp. 1 x 40W including accessories all complete.	1	Each		
5.0	Supply of following size with louvre shutter, single phase capacitor type machines with condenser, ring type diaphragm mounting exhaust fan, Heavy Duty.				
5.1	300 mm sweep exhaust fan	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
5.2	450 mm sweep exhaust fan	1	Each		
6.0	Supply of following size ceiling fan with double ball bearing complete with electronic regulator, capacitor, with desired length of down rod properly finished / painted, canopies, three number blades made of aluminum alloy, suitable for single phase, 16 poles, AC 230 Volt, 50 Hz supply and conforming to Class 1 of IS: 374/1979 energy efficient with winding of the fan is super enamelled copper wire and other accessories all complete as required.				
6.1	1200 mm sweep - Crompton Greaves High Speed or equivalent	1	Each		
6.2	Supply of 400 mm sweep, 230 Volt, 55 watt 1320 rpm oscillating type wall mounting fan with built in regulator connection, testing and commissioning etc. as required.	1	Each		
	<b>Total of Sub Head -III : Rs.</b>				
	<b><u>SUB HEAD - IV : Cabling Works</u></b>				
1.0	Replacement of under rated / defective power cable of 1.1 KV grade XLPE, PVC insulated, PVC sheathed, Aluminium conductor armoured power cables conforming to IS 1554 ( Part - 1)and ISI marked of following sizes including double earth continuity conductor of suitable size.				
1.1	2C x 10 sq mm cable.	1	Metre		
1.2	2C x 16 sq mm cable.	1	Metre		
1.3	2C x 25 sq mm cable.	1	Metre		
1.4	3C x 25 sqmm cable.	1	Metre		
1.5	4C x 16 sq mm cable.	1	Metre		
1.6	4C x 25 sq mm cable.	1	Metre		
1.7	4C x 35 sq mm cable.	1	Metre		
1.8	4C x 50 sq mm cable.	1	Metre		
1.9	4C x 70 sq mm cable.	1	Metre		
1.10	4C x 95 sq mm cable.	1	Metre		

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<b>SI No.</b>	<b>Description of Work</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
2.0	Laying and fixing of PVC insulated and PVC sheathed/XLPE aluminium conductor cable 1.1 KV grade of size not exceeding 25 sq. mm. on surface as required.	1	Metre		
3.0	Laying and fixing of PVC insulated and PVC sheathed/XLPE aluminium conductor cable 1.1 KV grade of size exceeding 25 sq. mm. but not exceeding 120 sq. mm. on surface as required.	1	Metre		
4.0	Laying and fixing of PVC insulated and PVC sheathed/XLPE aluminium conductor cable 1.1 KV grade of size exceeding 120 sq. mm. but not exceeding 300 sq. mm. on surface as required.	1	Metre		
5.0	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed armoured aluminium conductor cable of 1.1 KV grade as required.				
5.1	2 x 10 sq mm	1	Set		
5.2	2 x 16 sq mm	1	Set		
5.3	2 x 25 sq mm	1	Set		
5.4	3 x 25 sq mm	1	Set		
5.5	4 x 16 sq mm	1	Set		
5.6	4 x 25 sq mm	1	Set		
5.7	4 x 35 sq mm	1	Set		
5.8	4 x 50 sq mm	1	Set		
5.9	4 x 70 sq mm	1	Set		
5.10	4 x 150 sq mm	1	Set		
5.11	4 x 185 sq mm	1	Set		
5.12	4 x 300 sq mm	1	Set		
6.0	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required:				
6.1	3.5 x 70 sq mm	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
6.2	3.5 x 185 sq mm	1	Each		
6.3	3.5 x 300 sq mm	1	Each		
7.0	Supply of 1.1 KV grade XLPE, PVC insulated, PVC sheathed, copper conductor armoured power cables conforming to IS 7098 ( Part - 1) 1988 and ISI marked of following sizes.				
7.1	3C x 2.5 sq mm cable	1	Metre		
7.2	4C x 2.5 sq mm cable	1	Metre		
8.0	Laying of above insulated and PVC sheathed armoured copper conductor cable of 1.1 KV grade, of size 2.50 sq mm direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. all complete as required.	1	Metre		
9.0	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required :				
9.1	3C x 2.5 sq mm	1	Set		
9.2	4C x 2.5 sq mm	1	Set		
10.0	Supply of 1.1 KV grade, PVC insulated & unsheathed, multistrand flexible copper conductor flexible cable conforming to IS:694-1990 of following sizes:				
10.1	10.00 Sq mm	1	Metre		
	<b>Total of Sub Head -IV : Rs.</b>				
	<b><u>SUB HEAD - V : Earthing System</u></b>				
1.0	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt ) as required.	1	Set		
2.0	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3.0	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt ) as required.	1	Set		
4.0	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	Set		
5.0	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt ) as required.	1	Set		
6.0	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	Set		
7.0	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	1	Meter		
8.0	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	1	Meter		
9.0	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	1	Meter		
10.0	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, pring, washer excavation and re-filling etc. as required.	1	Meter		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
11.0	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	1	Meter		
12.0	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	1	Meter		
13.0	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	1	Meter		
14.0	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	1	Meter		
15.0	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	1	Meter		
16.0	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	1	Meter		
17.0	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	1	Meter		
18.0	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	1	Meter		
19.0	Providing and fixing 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.	1	Meter		
20.0	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	1	Meter		
	<b>Total of Sub Head -V : Rs.</b>				
	<b><u>SUB-HEAD - VI : Miscellaneous Works</u></b>				
1.0	Dismantling the following unused electrical accessories at proposed ESU section as per direction of Engg.-in-Charge & depositing in Electrical section.				
1.1	Ceiling fan / exhaust fan / wall mounting fan / tube light fittings / electrical power board, etc.	1	Each		

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1.20	1.1 KV grade, XLPE PVC insulated, PVC sheathed, aluminium armoured cable of size 35 to 150 sq mm	1	Metre		
2.0	Engaging of man power for execution of Electrical works and as per the direction of Engineer-in-charge of the work:				
2.1	Wireman	1			
2.2	Fitter, Grade I	1			
2.3	Painter	1			
2.4	Khallasi	1			
3.0	Rewinding, overhauling, painting of ceiling fan upto 56" with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, scraping of old paint, cleaning of surface with detergent etc. including connection, etc all complete as required.	1	Each		
4.0	Rewinding and overhauling of exhaust fans upto 18" sweep including disconnecting and reinstallation of the same complete as required.	1	Each		
5.0	Painting of mounting rail for fluorescent lamp fittings with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture, scraping of old paint, cleaning of surface with detergent etc. including connection with accessories, etc after painting all complete as required. (excluding spares)	1	Each		
6.0	Erection of RCC/ PCC pole of following length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc as required.	1	Each		
6.1	Above 4.5 metre and upto 6.5 metre	1	Each		
7.0	Finishing of wall after mending damages for walls after fixing of MCB / MCCB DBs including cement plastering, covering, painting etc. with existing wall colour all complete as required.	1	Job		
	<b>Total of Sub Head -VI : Rs.</b>				

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SI No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
	Total of Sub Head - I : Rs.				
	Total of Sub Head -II : Rs.				
	Total of Sub Head -III : Rs.				
	Total of Sub Head -IV : Rs.				
	Total of Sub Head -V : Rs.				
	Total of Sub Head -VI : Rs.				
	<b>Total of Sub Head - I+II+III+IV+V+VI : Rs.</b>				

(Rupees ..... only)

Signature of Tenderer with Seal

## CSIR- Indian Institute of Chemical Biology

4, Raja S.C. Mullick Road, Jadavpur, Kolkata-32

Engineering Service Unit (Electrical)

Name of the Work: Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata

Tender No. : Admn.26(365)/2017

### List of Approved Make for Electrical Materials (Indicative)

Sl.No	Description	Name of the Manufacturer
1	Switch, Socket, Fuse, Indicator	Anchor / Pretam / Cona
2	Copper wire	Finolex / Polycab / KEI
3	M.S. Conduit & Accessories	Supreme / AKG,/ ICI
4	PVC Conduit & Accessories	Presto / Priti / AKG
5	M.C.B's	Legrand / ABB / Hager
6	M. C. B. / M. C. C. B. DB	Legrand / ABB / Hager
7	Lighting Fittings	Philips / Havell's / Crompton Greaves
8	Lamp	Philips / Havell's / Crompton Greaves
9	Wall Mounting Fan	Crompton Greaves / Usha
10	Exhaust Fan	Crompton Greaves / Usha
11	Ceiling Fan	Crompton Greaves / Usha
12	Fan Regulator	Anchor / Rider
13	Call bell / buzzer	Anchor / Rider / Pritam
14	16/21A Electronic motor starter	Electron / Getron
15	Timer Switch for AC	ULTRATECH
16	XLPE Armoured Cable, 1.1 KV grade	Gloster / Polycab / Havell's
17	Cable Glands.	Arun / Ratan / Commet
18	Lugs	Dowells/Jainson.
19	G.I.Pipe 'B' Class	Tata / Jindal

**Note :** a) Selection of the "**Make**" from the above list will be decided by the Engineer-in-Charge.

b) The items for which no makes are specified above, only ISI marked and approved by Engineer-in-charge shall be used.

Signature of Tenderer with Seal

## Letter of Transmittal

Request for Eligibility  
To be submitted by type-written in the letterhead of Tenderer

Ref.No. Tender No. : Admn. 26 (365) / 2017

Date.....

To  
The Director  
Indian Institute of Chemical Biology,-\*  
4, Raja S.C.Mullick Road, Jadavpur  
Kolkata – 700032

Sub: Submission of Tender for the Work of “Annual Rate Contract for Maintenance of Electrical installations of CSIR-IICB, Jadavpur, Kolkata”.

I/we have read, examined tender documents with all its contents carefully and have no doubt on it. I/we hereby certify that all documents displayed in the tender documents are downloaded and printed at its true format as displayed and no addition alteration modification are made in that document. I/we also agree that if any addition alteration modifications are found in my/our tender, this would be summarily rejected and I/we would have no claim on it.

I/we have furnished all information and supporting details necessary for eligibility and have no further pertinent information to supply. I/we also certify that all the information supplied is true and correct. I/we also agree that in case of any misleading or false or deliberately suppressed information or record of poor performance such as abandoning work, not properly completing contract or financial failure/weakness etc. I/we may be liable for disqualification.

I/we also authorize the Director, IICB or his authorized representative to approach individuals, employers, firms or corporation to verify our competence and general reputation.

I/we hereby tender for the execution of aforesaid work within the time specified in tender and in accordance in all respects with the specifications, designs, drawings and instructions referred in General condition of contract and with such materials as are provided for by and in respects in accordance with such conditions, so far as applicable.

I/we agree to keep the tender open for 90 days after opening of price bid which would be opened preferably within a month after opening of eligibility documents and not to make any modifications in its terms and conditions.

‘Earnest Money’ amounting to **Rs.5,070/-** from scheduled bank .....branch..... vide DD/Pay Order No..... as well as ‘Cost of Tender’ amounting to **Rs.500/-** from scheduled bank .....branch..... vide DD/Pay Order No..... ; both drawn in favour of Director, Indian Institute of Chemical Biology, Kolkata are deposited along with the tender and are placed inside ‘Envelope No1’ marked as ‘Eligibility Documents’.

I/we further agree that if I/we fail to furnish the prescribed performance security within the prescribed period, IICB without prejudice to any other right or remedy be at liberty to forfeit the earnest money absolutely. Further if I/we fail to commence the work as specified, I/we agreed that IICB shall without prejudice to any other right or remedy be at liberty to forfeit both the earnest money and performance security absolutely.

Further I/we agree that in case of forfeiture of earnest money or earnest money and performance security as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

I/we hereby declare that I/we shall treat the tender documents, drawings and other records connected to this work as secret / confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety and security to IICB.

Enclosures:

Signature of Tenderer with Seal