



**RESERVE BANK STAFF COLLEGE
ESTATE CELL, CHENNAI**

E-Tender No. RBI/RBSC/Estate/4/26-27/ET/223

NOTICE INVITING TENDER (NIT)

Reserve Bank Staff College, Chennai invites E-Tenders from the eligible empaneled contractors of Reserve Bank of India, Chennai for the work of **“Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai”**.

E-Tenders comprising duly filled in details of the tender should be uploaded in MSTC website under RBI portal **not later than the date and time as indicated in the Schedule of Tender (Page 3)**. Tenderers shall submit tender proposal complete in all respects. The Technical bids will be **opened electronically on August 12, 2026** at 03.00 PM. In the event of any date indicated above being declared a Holiday, the next working day shall become operative for the respective purpose mentioned herein.

Tender document can be downloaded from website www.rbi.org.in and www.mstcecommerce.com. Any amendment(s) / corrigendum / clarifications with respect to this tender shall be uploaded on the website / e-portal only. The tenderer should regularly check the above website / e-portal for any Amendment / Corrigendum / Clarification on the above website and submit bid after verification of the same. The Bank reserves the right to reject any or all the tenders without assigning any reason thereof.

**The Principal,
Reserve Bank Staff College
359, Anna Salai, Teynampet
Chennai – 600 018**



**RESERVE BANK STAFF COLLEGE
ESTATE CELL, CHENNAI**

SCHEDULE OF TENDER (SOT)

a. e-Tender No.	RBI/RBSC/Estate/4/26-27/ET/223
b. Name of Tender	Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai
c. Mode of Tender	e-Procurement System (Online Bid through www.mstcecommerce.com/eprochome/rbi)
d. Date of Notice Inviting Tender (NIT) available to parties to download	July 21, 2026, from 2.00 P M
e. Earnest Money Deposit	Not applicable
f. Last date of submission of EMD.	Not applicable
g. Pre-Bid Meeting	Offline at Estate, Reserve Bank Staff College, Teynampet, Chennai, at 11:30 hrs. on July 27, 2026.
h. Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and price Bid at www.mstcecommerce.com/eprochome/rbi	July 29, 2026 from 02.00 P M
i. Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	August 12, 2026 at 02.00 P M
j. Date/ time/Venue of opening of Tender	August 12, 2026, at 03.00 P M at Reserve Bank Staff College.
k. Transaction Fee	Payment of Transaction fee as mentioned in the MSTC portal through MSTC payment gateway through /NEFT/RTGS in favour of MSTC LIMITED
l. Address for Communication	The Principal, Reserve Bank Staff College, 359, Anna Salai, Teynampet, Chennai 600 018 e-mail:- principalrbsc@rbi.org.in



**RESERVE BANK STAFF COLLEGE
ESTATE CELL, CHENNAI**

E-Tender No.RBI/RBSC/Estate/4/26-27/ET/223

For

Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai

Name of the Bidder: _____

Address : _____

Due Date and time of Submission of e-Tender: 02.00 PM on August 12, 2026.

This document is the property of the Reserve Bank of India (RBI). It may not be copied, distributed or recorded on any medium, electronic or otherwise, without the RBI's written permission thereof, except for the purpose of responding to RBI for the said purpose. The use of the contents of this document, even by the authorized personnel / agencies for any purpose other than the purpose specified herein, is strictly prohibited and shall amount to copyright violation and thus, shall be punishable under the Indian Law.

NOTICE INVITING TENDER (NIT)

Reserve Bank Staff College, Chennai invites E-Tenders from the eligible empanelled contractors of Reserve Bank of India, Chennai for the work of **“Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai”**.

E-Tenders comprising duly filled in details of the tender should be uploaded in MSTC website under RBI portal **not later than the date and time as indicated in the Schedule of Tender (Page 3)**. Tenderers shall submit tender proposal complete in all respects. The Technical bids will be **opened electronically on August 12, 2026** at 03.00 PM. In the event of any date indicated above being declared a Holiday, the next working day shall become operative for the respective purpose mentioned herein.

Tender document can be downloaded from website www.rbi.org.in and www.mstcecommerce.com. Any amendment(s) / corrigendum / clarifications with respect to this tender shall be uploaded on the website / e-portal only. The tenderer should regularly check the above website / e-portal for any Amendment / Corrigendum / Clarification on the above website and submit bid after verification of the same. The Bank reserves the right to reject any or all the tenders without assigning any reason thereof.

**The Principal,
Reserve Bank Staff College
359, Anna Salai, Teynampet
Chennai – 600 018**

SCHEDULE OF TENDER (SOT)

a. e-Tender No.	RBI / RBSC / Estate / 4 / 26-27 / ET / 223
b. Name of Tender	Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai
c. Mode of Tender	e-Procurement System (Online Bid through www.mstcecommerce.com/eprochome/rbi)
d. Date of Notice Inviting Tender (NIT) available to parties to download	July 21, 2026, from 2.00 P M
e. Earnest Money Deposit	Not applicable
f. Last date of submission of EMD.	Not applicable
g. Pre-Bid Meeting	Offline at Estate, Reserve Bank Staff College, Teynampet, Chennai, at 11:30 hrs. on July 27, 2026.
h. Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and price Bid at www.mstcecommerce.com/eprochome/rbi	July 29, 2026 from 02.00 P M
i. Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	August 12, 2026 at 02.00 P M
j. Date/ time/Venue of opening of Tender	August 12, 2026 , at 03.00 P M at Reserve Bank Staff College.
k. Transaction Fee	Payment of Transaction fee as mentioned in the MSTC portal through MSTC payment gateway through /NEFT/RTGS in favour of MSTC LIMITED
l. Address for Communication	The Principal, Reserve Bank Staff College, 359, Anna Salai, Teynampet, Chennai 600 018 e-mail:- principalrbsc@rbi.org.in

**Reserve Bank Staff College (RBSC)
Estate Cell, Chennai**

DISCLAIMER

Reserve Bank Staff College, Estate Cell, Chennai, has prepared this document to give background information on the Contract to the interested parties. While Reserve Bank Staff College has taken due care in the preparation of the information contained herein and believe it to be in order, neither Reserve Bank of India nor any of its authorities or agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

The information is not intended to be exhaustive. Interested parties are required to make their own inquiries and respondents will be required to confirm in writing that they have done so, and they do not rely only on the information provided by RBSC in submitting the Tender. The information is provided on the basis that it is non – binding on Reserve Bank of India or any of its authorities or agencies or any of their respective officers, employees, agents or advisors.

Reserve Bank Staff College reserves the right not to proceed with the Contract or to change the configuration of the Contract, to alter the time table reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the matter further with any party expressing interest. No reimbursement of cost of any type will be paid to persons or entities expressing interest.

IMPORTANT INSTRUCTIONS FOR E-PROCUREMENT

Bidders are requested to read the terms & conditions of this tender before submitting their online tender.

Process of E-tender:

A) Registration: The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Tenderers are to make their own arrangement for bidding from a PC connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE TECHNICAL BID AND THE COMMERCIAL BID HAVE TO BE SUBMITTED ONLINE AT www.mstcecommerce.com/eprochome/rbi

1).Tenderers are required to register themselves online with www.mstcecommerce.com→ e-Procurement →PSU/Govt depts→ Select RBI Logo > Register as Vendor - Filling up details and creating own user id and password→ Submit.

2). Tenderers will receive a system generated email confirming their registration in their email which has been provided during filling up the registration form. In case of any clarification, tenderers may contact RBI / MSTC, (before the scheduled time of the e- tender).

Contact persons (RBI- During Office Hours only):

1. Smt.Sasirekha (AGM, Estate)
044-48659631
2. Shri. Mohan K (Manager, Estate)
044-24302730
3. Shri. Rushikesh Shripad Dingare (Assistant Manager, Estate)
044-24302738
4. Shri.Arulselvan N (Assistant Manager – Technical)
044-24302713
5. Shri. Vivekananthan, (Junior Engineer, Estate)
044-24302727
e-mail : principalrbsc@rbi.org.in

Contact person (MSTC Ltd - During Office Hours only):

1. MSTC Helpline numbers: 7338878731, 7338878732, 7338878733
2. Shri. V Ganesh Moorthy – Mobile No. 9176616410
3. Shri. Shanmugam – Mobile No. 9176397264
Google hangout ID- (for text chat) - mstceproc@gmail.com

B) System Requirements:

- i) Windows 7 or above Operating System

- ii) IE-7 and above Internet browser.
- iii) Signing type digital signature
- iv) Latest updated JRE 8 (x86 Offline) software to be downloaded and installed in the system.

To disable “Protected Mode” for DSC to appear in the signer box following settings may be applied.

- Tools => Internet Options => Security => Disable protected Mode If enabled - i.e, Remove the tick from the tick box mentioning “Enable Protected Mode”.

Other Settings:

- Tools => Internet Options => General => Click On Settings under “browsing history / Delete Browsing History” => Temporary Internet Files => Activate “Every time I Visit the Webpage”.

To enable ALL active X controls and disable ‘use pop up blocker’ under Tools→Internet Options → custom level (Please run IE settings from the page www.mstcecommerce.com once).

The Techno-commercial Bid and the Price Bid shall have to be submitted online at www.mstcecommerce.com/eprochome/rbi. Tenders will be opened electronically on the specified date and time as given in the Tender.

All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.

Special Note towards Transaction fee:

The tenderers shall pay the transaction fee using “**Transaction Fee Payment**” Link under “My Menu” in the vendor login. The tenderers have to select the particular tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using their Credit / Debit Card / Net Banking. Once the payment gets credited to MSTC’s designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated email. **Transaction fee is non-refundable.** A vendor will not have the access to the online e-tender without making the payment towards transaction fee.

NOTE

Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.

Information about tenders / corrigendum uploaded shall be sent by email only during the process till finalization of tender. Hence the tenderers are required to ensure that their Email ID provided is valid and updated at the time of registration of vendor with MSTC. Tenderers are also requested to ensure validity of their DSC (Digital Signature Certificate).

E-tender cannot be accessed after the due date and time mentioned in NIT.

Bidding in e-tender:

- a) The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- b) The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website www.mstcecommerce.com → e-procurement → PSU/ Govt depts → Login under RBI → My menu → Auction Floor Manager → live event → Selection of the live event.
- c) The vendor should have running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms / Commercial specification and save the same. After that, they should click on the Technical bid. If this JAVA application does not run, then the vendor will not be able to save / submit his / their Technical bid.
- d) After filling the 'Techno commercial Bid', tenderers have to click 'save' for recording the same. Once the 'Price Bid' link becomes active and the details are filled up, tenderers have to click on "save" to record the Commercial bid. After both the Technical-Commercial & price bid have been saved, vendor has to click on the "Final submission" button to register the bids.
- e) Pages of Techno-Commercial Bids of the tender where details shall be filled in and signed, shall be downloaded from the uploaded tender documents, details filled in, signed and uploaded.
- f) Tenderers are instructed to use '*Attach Doc*' button to upload documents. Multiple documents can be uploaded.
- g) In all cases, tenderers are advised to use their own ID and Password along with Digital Signature at the time of submission of their bids.
- h) During the entire e-tender process, the tenderers will remain completely anonymous to one another and also to everybody else.
- i) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- j) All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of work.
- k) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
- l) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.

No deviation of the terms and conditions of the tender document is acceptable after opening of Part-I of the tender. Submission of bid in the e-tender mode by any vendor confirms his / their acceptance

of the terms & conditions of the tender. Any order resulting from this tender shall be governed by the terms and conditions mentioned therein. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reasons thereof.

Tenderers are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprochome to familiarize them with the system before bidding.

Rates are to be quoted inclusive of GST in the designated rows in online mode only. No change in the quoted rates will be accepted.

MSTC portal will be available for uploading documents and rates from July 29, 2026, 02.00 PM.

Section I

Letter of offer

Dear Sir,

Having examined the specifications, drawings, designs and schedule of quantities relating to the works specified in memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, we hereby offer to supply and execute the works specified in the said memorandum, within the time specified in the memorandum, at the rates mentioned in the attached schedule of quantities and in all respects with the specifications, designs, drawings and instructions in writing referred to in conditions of tender, the Articles of 'Agreement, Special Conditions, Schedule of Quantities and conditions of Contract and with such materials as are provided for by us, and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

a)	Description of works	:	Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai.
b)	Estimated cost	:	Rs.8.25 Lakh
c)	Earnest Money Deposit	:	Not applicable
d)	Time allowed for completion of the work from tenth day after the date of written order to commence work.	:	60 days which shall be reckoned from the 10 th day of issue of the work order

2. Should this tender be accepted, we hereby agree to abide by and fulfil the terms and provisions of the said Condition of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to the Reserve Bank of India the amount mentioned in the said conditions.
3. We have paid required earnest money deposit (if applicable) with the Reserve Bank Staff College, which amount is not to bear any interest. Should we fail to execute the Contract when called upon to do so, we do hereby agree that this sum shall be forfeited by us to the Reserve Bank Staff College.

Name of the partner of the firm authorized to sign (or)

Name of person having power of Attorney to sign the contract. (Certified true copy of the Power of Attorney should be attached.)

Yours faithfully

Signature of

Contractor

(Signatures and addresses of witnesses)

Section II

General instructions to tenderer(s) & Special Conditions Commercial Conditions

E-Tenders are invited from the eligible empaneled contractors of Reserve Bank of India, Chennai for the work of **“Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai”**. E-Tenders comprising duly filled in details of both commercial and technical specifications of the tender should be uploaded in MSTC website under RBI portal **not later than August 12, 2026 at 02.00 PM.**

2. Eligibility: **Empaneled contractors of Reserve Bank of India, Chennai, who are empaneled for the work of “Maintenance and Repair of Electrical Installations (Upto Rs. 10 Lakhs)”**
3. Tenderers who qualify as above will be eligible to tender for the work. A tender submitted by a firm who is found to be not satisfying the above criteria will be liable for rejection.
4. **Pre-Bid Meeting:** A pre-bid briefing meeting of the intending tenderers will be held at **3.00 PM on July 27, 2026** at Reserve Bank Staff College (RBSC) to clarify any point / doubt raised by them in respect of the tender. No separate communication will be sent for this meeting. **No request for change in date of pre-tender meeting will be entertained.** Inclusion / submission of any deviations in the tender conditions in Part-I of the tender is liable for rejection.
5. Technical deviations proposed, if any, shall be attached, as per [Annexure I](#)
6. **Tenders shall be submitted containing technical and commercial details of the offer and containing prices only latest by August 12, 2026 at 2.00 PM. tender will be opened on August 12, 2026 at 03.00 PM along with price bid, if no special conditions /deviations put forth by the bidder.**
7. **Tenderers are advised to verify website for corrigendum, if any before submitting the bid.**
8. **Tenderers are requested to quote rate inclusive of GST separately for each item as specified in the portal. No change in quoted rates will be accepted.**
9. The Reserve Bank Staff College reserves the right to accept or reject any or all the tenders, in full or in part, without assigning any reason therefore. The College also reserves the right to accept the tender of any firm.
10. **Earnest Money Deposit (EMD)**

Not applicable for this tender
11. **Validity of tender: The tender shall be valid for a period of 90 days from the date of opening of the tender.**
12. **Tenderers are requested to quote rate inclusive of GST separately for each item as specified in the portal.** The rates quoted shall be inclusive of all other taxes, duties, transport, packing, forwarding, insurance etc. and shall be for the complete work duly installed and commissioned at site. The prices quoted shall remain firm for the entire period of contract and shall not be subjected to any variations in the foreign exchange or variations of any other taxes,

levies, duties etc. No import license will be furnished by the Bank. The tenderers shall make their own arrangement for import of any part or components, if any, required for completion of the work.

13. **Period of Completion of work:** - The entire work of shall be completed within a period of 60 days from the 10th day of date of issue of work order (inclusive of the date of work order).
14. **Damages for non-completion:** If the Contractor fails to complete the works within tender specified completion period, the Contractor shall pay the Employer at rate of 0.25% of the contract amount, per week, for the period during which the said works shall so remain incomplete, subject to a maximum of 10% of the contract amount and the Employer may deduct such damages from any money due to the Contractor.
15. **Warranty/Defect Liability period (DLP) :** Any defect or fault which may appear during **12 months** from the date of virtual completion of work/or supply and installation in full as specified under the contract, arising in the opinion of the Bank's Engineer from materials or workmanship not in accordance with the contract, shall upon the directions in writing of the Bank's Engineer, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor at his own cost and in case of default the Bank may employ and pay other persons to amend and make good such defects/faults and damages, loss and expenses consequent there upon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from him by the Bank, or may be deducted by the Bank upon the Bank's Engineers' certificate in writing from any money due or that may become due to the contractor. The contractor/supplier shall remain liable under the provisions of this clause notwithstanding the signing by the Bank's Engineer any certificate or passing of any accounts.
16. Successful bidder shall be awarded the work at the cost of work which shall be the quoted rates by the bidder inclusive of GST thereon. The cost shall be paid **to the contractor subject to necessary statutory deductions and other applicable deductions.**
17. **Terms of Payment: -**
 - 95 percent of the accepted final bill value will be released after successful completion of the entire work.
 - Remaining 5 percent of the accepted final bill value will be kept in Bank as retention money and released after successful completion of Defect Liability Period (DLP) of one year.

During the DLP period, If any discrepancies / defects are found, then defect/s shall have to be rectified within two days, otherwise a cumulative / equivalent defects rectification amount shall be deducted from the above remaining 5% amount kept with the Bank and only rest of the payable amount shall be released to the contractor.

18. **Insurance:** The Contractor shall at his own expense, arrange to effect and maintain (until the virtual completion of the contract) with an IRDA approved office the following insurance policies in the joint name of employer and himself with the employer being first (Principal, Reserve Bank Staff College) and deposit such policy or policies with the employer during the currency of this contract.
 - a. Comprehensive all risk policy (CAR) for the contract value.
 - b. Workmen compensation policy for the employees of the contractor at site.
 - c. Third party liability policy for a total of Rs.10 lakh and with a limit of Rs.2 lakh per accident

19. Works to be arranged by the contractor:

Unless otherwise mentioned in the tender documents, the following works shall be done by the contractor and therefore, their cost shall be deemed to be included in their tendered cost-whether specifically indicated in the schedule of work or not:

- a) Making good all damages caused to the structure during installation and restoring the same to their original finish.
- b) Minor building works necessary for installation of equipment's, making of opening in walls or in floors and restoring them to their original condition/ finish and necessary grouting etc. as required.
- c) Providing necessary signage for the equipment, installation, cable etc.

20. COMPLETENESS OF THE TENDER, SUBMISSION OF PROGRAMME, APPROVAL OF DRAWINGS AND COMMENCEMENT OF WORK

a) Completeness of the tender

All sundry equipments, fittings, assemblies, accessories, hardware items, supports, termination lugs for electrical connections, cable glands, junction boxes and all other sundry items for proper assembly and installation of the various equipments and components of the work shall be deemed to have been included in the tender, irrespective of the fact that whether such items are specifically mentioned in tender documents or not.

The payment for the system will be made by RBSC, Chennai. Any dispute arising out of this contract will also be sorted out within the jurisdiction of courts situated in Chennai.

21. **Agreement:** The successful tenderer shall execute an agreement with the College on a non-judicial stamp paper in the format in [Annexure II](#) enclosed within ten days of receipt of letter of acceptance. However, the issue of letter of acceptance by the College shall be construed as a binding contract, as though such an agreement has been executed and all the terms and conditions shall apply on this contract.

22. All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or after completion and whether before or after the determination abandonment or breach of the contract) shall be referred to and settled by the College who shall state its decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the College with respect to any of the excepted matters shall be final and without appeal as stated in hereof. But if either the Contractor be dissatisfied on any matter on which a decision is taken by the College as above, except any of the expected matter the Contractor may within 28 days after receiving notice of such decision give a written notice to the other party requiring that the matters in dispute be arbitrated upon. Such written notice shall specify the matters, which are in dispute or difference of which such written notice has been given. If both the parties agree, a single arbitrator would be appointed for the purpose. In case no agreement could be reached on the appointment of single arbitrator, both the parties will nominate one person each as an arbitrator on their behalf. The two arbitrators nominated by the parties shall nominate one more person to act as third arbitrator.

The arbitrator or Arbitrators, as the case may be, shall have power to open up, review and revise any certificate, opinion, decision, requisition or notice, save in regard to the excepted matters, referred to in the preceding clause, and to determine all matters to dispute which shall be submitted to arbitration and of which notice shall have been given as aforesaid.

The arbitrator or Arbitrators, as the case may be, shall make his or their award within one year

(or such further extended time as may be decided by him or them as the case may be with the consent of the parties) from the date of entering on the reference. In case during the arbitration proceedings the parties mutually settle or compromise their dispute or difference, on the parties filing their joint memorandum of the settlement or compromise, the Arbitrator or the Arbitrators as the case may be, shall make an award in terms of such settlement or compromise.

Upon any such reference, the decision on the cost incidental to the reference and award respectively shall be in the discretion of the arbitrator or Arbitrators as the case may be, who may determine the amount thereof or direct the same to be taxed as between the party and party, and shall direct by whom and to whom and in what manner the same shall be borne and paid.

This submission shall be deemed to be a submission to arbitration within the meaning of the Indian Arbitration and Conciliation Act, 1996 or any statutory modification thereof.

The award of the arbitrator or Arbitrators, as the case may be, shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence and shall until the decision of the Arbitrator or Arbitrators, as the case may be, is given, abide by the decision of the Bank. No award of the Arbitrator or Arbitrators, as the case may be, shall relieve the Contractor of his obligations to adhere strictly to the Bank's instructions with regard to the actual carrying out of the works. The Employer and the Contractor hereby also agree that arbitration under this Clause shall be a condition precedent to any right of action under the Contract.

23. **Jurisdiction:** All disputes arising out of or in any way connected with this contract/agreement shall be deemed to have arisen at Chennai and only Courts in Chennai shall have jurisdiction to determine the same.

Section III Safety Code

1. First aid appliances including adequate supply of sterilized dressings and cotton wool shall be provided in a readily accessible place.
2. An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all work that cannot safely be done from ground.
4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding the ladder.
5. The excavated material shall not be placed within 1.5 meters of the edge of the trench or half of the depth of trench, whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
6. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing; minimum height shall be one metre.
7. No floor, roof or other part of the structure shall be so overloaded with debris of materials as to render it unsafe.
8. Workers employed on mixing and handling material such as asphalt, cement mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand-gloves.
9. Those engaged in welding works shall be provided with welder's protective eye-shields and gloves.
10. i) No paint containing lead or lead products shall be used except in the forms of paste or readymade paint.
ii) Suitable face masks shall be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the Contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during the period of cessation of work.
12. Hoisting machines and tackle used in the works, including their attachments, anchorage and support shall be in perfect condition.
13. The ropes used in hoisting or lowering material, or a means of suspension shall be of durable quality and adequate strength and free from defects.
14. The contractor shall provide all the safety gadgets to the workers for carrying out the work as per statutory norms.
15. During the work execution necessary fire safety measures shall also be taken.

Section IV FIRE SAFETY

1. Cutting / drilling machine and other electrically operated equipments used at site shall be plugged into correctly rated electrical outlets.
2. **All Power supplies should be drawn through switch boards installed with RCCB of 30 mA sensitivity.**
3. Only ISI marked 3 pin plug and other appliances and equipments shall be used.
4. Electrical power cables/wires used shall not have any joints and shall be properly rated.
5. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
6. Before commencing the welding work for the first time on any day, fire section shall be informed and only after the site inspection by the Fire officers/Personnel, work shall be started.
7. Two buckets of water and sand shall be kept in an easily accessible area on the site.
8. Fire extinguishers recommended and issued by fire officers shall be kept on the site.
9. Used paint drums shall be stored in specified store only after closing them properly.
10. Personal protective equipments such as mask, safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the contractor to the workmen to prevent occupational health hazards.
11. The safety belt shall be provided by the contractor and used by the workmen while working from height for more than 10' from Ground level.
12. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
13. Both the staircase doors shall be normally kept closed.
14. None of the fire extinguishers shall be removed/shifted from its designated location.
15. Power supply shall be switched off from the mains when equipment is not in use.
16. Wood-shavings and saw-dust generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
17. Any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
18. Battery operated emergency light/torches shall be provided by the contractor to the workmen while working beyond office hours.

Section V

The Conditions Hereinbefore Referred To

1. In constructing these conditions, the specification, schedule of quantities and Contract Agreement, the following words shall have the meaning herein assigned to them except where subject or context otherwise requires.

- | | |
|---------------------------|--|
| a) "Employer" | Shall mean the Reserve Bank Staff College and shall include its assignees and successors. |
| b) In the case of company | "Contractor shall mean _____ a company incorporated under _____ and _____ having its registered office at _____ and shall include its successors and assigns. |
| c) "Site" | Shall mean the site of the contract works including any building and erection thereon and any other land (inclusively) as aforesaid allotted by the Employer for the Contractor's use. |
| d) "This Contract" | Shall mean the Article of Agreement, the special conditions, the conditions, the Appendix, the schedule of quantities and specifications attached hereto and duly signed. |
| e) "Notice in writing" | Shall mean a notice in written, typed or printed or written notice" characters sent (unless delivered personally otherwise proved to have been received) by registered post to the last known private or business address or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post it would have been delivered. |
| f) "Act of Insolvency" | Shall mean any Act of insolvency as defined by the Presidency Town Insolvency Act, or the provincial insolvency Act or any Act amending such original Act. |
| g) "Net Prices" | If in arriving at the contract amount the Contractor shall have added to or deducted from the total of items in the Tender any sum, either as a percentage or otherwise, then net price of any item in their tender shall be the sum arrived at by adding to or deducting from the actual figures appearing in the Tender as the price of that the item a similar percentage or proportionate sum provided always that in determining the percentage or proportion of the sum so added or deducted by the Contractor the total amount of the any Prime Cost items and provisional sums of money shall be deducted from the total amount of the tender. The expression "net rates" or "net prices" when used with reference to the contract or account shall be held to mean rates or prices so arrived at. |
| h) "The works" | Electrical Renovation of Lab-01 (Arabian Sea)at Reserve Bank Staff College, Chennai |

2. **Scope of Contract:** The contractor shall carry out and complete the said work in every respect in accordance with this contract and with the directions of and to the satisfaction of the Bank's Engineer. The Bank's Engineer may in his absolute discretion and from time to time issue further drawings and/or written instructions, details, direction and explanations which are hereafter collectively referred to as "Bank's Engineer's instruction in regard to":
- a) The variations or modifications of the design, quality or works or the addition or omission or substitutions of any work.
 - b) Any discrepancy in the Drawing or between the Schedule of Quantities and/or drawing and/or specifications.
 - c) The removal from the site of any materials brought thereon by the contractor and the substitution of any other material therefor.
 - d) The removal and/or re-execution of any works executed by the contractor.
 - e) The dismissal from the works of any persons employed thereupon.
 - f) The opening up for inspections of any work covered up.
 - g) The amending and making good of any defects under clause 20 hereof.

The contractor shall forthwith comply with and duly execute any work comprised in such Bank's Engineer's instructions provided always that verbal instructions, directions and explanations given to the Contractor or his representative upon the works by the Bank's Engineer shall, if involving a variation, be confirmed in writing by the Contractor within seven days, such shall be deemed to be Employer's instructions within the scope of the Contract.

The contractor shall submit a statement of variations giving quantity and rates duly supported by analysis of rates, vouchers etc. The rates on scrutiny and final acceptance by the Employer shall form a supplementary tender. The Employer shall not be liable for payment of such variations until these statements are sanctioned by him.

3. The Contract shall be executed and recorded in triplicate and the Bank's Engineer, the Employer and the Contractor shall be entitled to one executed copy each for his use. The contractor shall prepare the line diagram, system configuration drawing and layout plan of the site for carrying out the work. Before the issue of the final certificate to the Contractor he shall submit to the Bank's Engineer all Drawings and Specifications.
4. The Contractor shall provide at his cost everything necessary for the proper execution of the works according to the intent and meaning of the Drawings, Schedule of Quantities and specifications taken together, whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred therefrom, and if the Contractor finds any discrepancy in the Drawings or between the Drawings, Schedule of quantities and Specifications, he shall immediately and in writing refer the same to the Bank's Engineer, who shall decide which is to be followed.
5. **Authorities, notices and patents:** The Contractor shall conform to the provisions of any Act of the Legislature relating to the works, and to the regulations and bye-laws of any authority, and of any water, electricity supply and other companies and/or authorities with whose system the structure is proposed to be connected, and shall, before making any variations from the Drawings or Specifications that may be necessitated by so conforming, give to the architect

written notice, specifying the variation proposed to be made and the reason for making it and apply for instructions thereon. In case the Contractor shall not within ten days receive such instructions he shall proceed with the work conforming to the provisions, regulations, or bye-laws in question, and any variation so necessitated shall be dealt with under clause 17 hereof.

The contractor shall bring to the attention of the Employer all notices required by the said Acts, regulations or bye-laws to be given to any authority and pay to such authority or to any public office all fees that may be properly chargeable in respect of the works and lodge the receipts with the Employer.

The Contractor shall indemnify the Employer against all claims in respect of patent rights, and shall defend all actions arising from such claims and shall himself pay all royalties, license fees, damages cost and charges of all and every sort that may be legally incurred in respect thereof.

6. **Setting out of work:** The contractor shall set out the works and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions levels, dimensions and alignment of all parts thereof. If at any time any error in this respect shall appear during the progress of the works or within a period of one year from the completion of the works, the Contractor shall, if so required, at his own expense rectify such error to the satisfaction of the Bank's Engineer.
7. **Materials and Workmanship to conform to description:** All materials and workmanship shall so far as procurable be of the respective kinds described in the Schedule of Quantities and/or specifications and in accordance with the contract and the Contractor shall furnish to the Employer with all invoices, accounts, receipts and other vouchers to prove that the materials comply therewith. The Contractor shall at his own cost arrange for and/or carry out any test of any materials.
8. **Contractor's superintendence and representative on the works:** The contractor shall give all necessary **personal superintendence** during the execution of the works and so long thereafter as the Employer may consider necessary until the expiration of the "Defects Liability Period" stated in the Appendix hereto. The contractor shall, also during the whole time the works are in progress employ a competent representative who shall be constantly in attendance at the works while the men are to work. Any directions, explanations, instructions or notice given by the Bank's Engineer to such representative shall be held to be given to the Contractor.
9. **Dismissal of workmen:** The contractor shall on the request of the Bank's Engineer immediately dismiss from the works any person employed thereon by him who may, in the opinion of the Bank's Engineer, be incompetent or misconduct himself and such persons shall not be again employed on the works without the permission of the Bank's Engineer.
10. **Access to works:** The Employer, shall at all reasonable times, have free access to the works and/or to the workshops, factories or other places where materials are lying or from which they are being obtained and the Contractor shall give every facility to the Employer necessary for Inspections and examination and test of the materials and workmanship. No person not authorised by the Employer except the representatives of public authorities shall be allowed on the works at any time.

11. **Bank's Engineer:** The term Bank's Engineer shall mean the person appointed and paid by the Employer to inspect the works. The Contractor shall afford the Bank's Engineer every facility and assistance for inspecting the works and materials and for checking and measuring time and materials.
The Bank's Engineer, or the Employer shall have power to give notice to the Contractor or to his representative of non-approval or any work or materials and such work shall be suspended, or the use of such materials shall be discontinued. The work will from time to time be examined by the Junior Engineer (Elect)/ Assistant Manager (Tech.) but such examination shall not in any way exonerate the Contractor from the obligation to remedy any defects which may be found to exist at a stage of the works or after the same is completed. Subject to the limitations of this clause the contractor shall take instructions only from the Bank's Engineer.
12. **Assignment and Subletting:** The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or under-let the Contract or any part share thereof or any interest therein without the prior written consent of the Employer and not undertaking shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the works during their progress.
13. No alteration, omission or variation shall vitiate this contract but in case the Bank's Engineer thinks proper at any time during the progress of the works to make any alterations in, or addition to, or omissions from the works or any alteration in the kind of quality of the materials to be used therein and shall give notice thereof in writing under his hand to the contractor, the contractor shall alter, add to, or omit from, as the case may be, in accordance with such notice, but the contractor shall not do any work extra to or make any alterations or additions to or omissions from the works or any deviation from any of the provisions of the Contract. Stipulations, specifications or Contract Drawings without the previous consent in writing of the Employer and the value of such extras' alterations, additions or omission shall, in all cases, be determined by the Employer in accordance with the provisions of Clause 17 hereof, and the same shall be added to, or deducted from the Contract Amount, as the case may be accordingly.
14. **Schedule of Quantities:** The Schedule of quantities, unless otherwise stated shall be deemed to have been prepared in accordance with the Standard Method of Measurement.
Any error in description or in quantity or in omission of items from the schedule of quantities shall not vitiate this contract but shall be rectified and the value thereof, as ascertained under Clause 17 hereof, shall be added to, or deducted from the Contract Amount (as the case may be) provided that no rectification of errors, if any, shall be allowed in the Contractor's schedule of rates.
15. **Sufficiency of Schedule of Quantities:** The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the Schedule of Quantities and/or the schedule of rates and prices which rates and prices shall cover all his obligations under the contract, and all matters and things necessary for the proper completion of the works.
16. **Measurement of works:** The Bank's Engineer may, from time to time, intimate to the contractor that he requires the works to be measured, and the Contractor shall forthwith attend

or send a qualified agent to assist Assistant Engineer in taking such measurements and calculations and to furnish all particulars or to give all assistance required by any of them.

Should the Contractor not attend or neglect or omit to send such agent then the measurement taken by the Bank's Engineer or a person approved by him shall be taken to be correct measurement of the works. Such measurements shall be taken in accordance with the Mode of Measurements detailed in the Specifications.

The Contractor or his Agent may at the time of measurement take such notes and measurement as he may requires.

All authorised extra works, omissions and all variations made with the prior approval in writing of Employer shall be included in such measurements.

17. **Prices for extra:** The contractor may, when authorised and shall, when directed, in writing by the Employer, add to, omit from or vary the works shown upon the drawings, or described in the specification, or included in the schedule of quantities, but the contractor shall make no addition, omission or variation without such authorisation or direction. A verbal authority or direction by the Bank's Engineer shall, if confirmed by them in writing within seven days, be deemed to have been given in writing.

No claim for an extra shall be allowed unless it shall have been executed under provisions of clause above hereof with the concurrence of the Employer herein mentioned. Any such extra in herein referred to as authorised and shall be made in accordance with the following provisions.

- (a) (i) The net rates or prices in the original tender shall determine the valuation of the extra work where such extra work in similar character and executed under conditions as the work priced therein.
- (ii) Rates for all items, wherever possible should be derived out of the rates given in the priced Schedule of Quantities.
- (b) The net prices of the original tender shall determine the value of items omitted provided if omissions vary the conditions under which any remaining items of works are carried out, the prices for the same shall be valued under sub-clause(c) hereof.
- (c) Where the extra works are not of similar character and/or quoted under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items of works are carried out or if the amount of any omissions or additions relative the amount of the whole of the Contract works or to any part thereof shall be such that in the opinion of the Bank's engineer, the net rate or price contained in the priced Schedule of Quantities or tender or for any item of the works involves loss or expenses beyond that reasonably contemplated by the contractor or is by reason of such omission or addition rendered unreasonable or inapplicable, the Bank's Engineer shall fix such other rate or price as in the circumstances he shall think reasonable and proper, with the prior approval in writing of the Employer.
- (d) Where extra work cannot be properly measured or valued, the contractor shall be allowed day work prices as the net rates stated in the tender or the priced schedule or quantities or, if not so stated, then in accordance with the local day work rates and wages for the district provided that in either case vouchers specifying the daily time (the workmen's names) and materials employed be delivered for verification to the Bank's Engineer at or before the end of the week following that in which the work has been executed.

The measurement and valuation in respect of the contract shall be completed within the "period of final measurements" stated in the Appendix or if not stated then within six months of the completion of the Contract works as defined in Clause 21 hereof.

18. Unfixed materials when taken into account to be the property of the Employer

Where in any certificates (of which the Contractor has received payment) the Bank's Engineer has included the value of any unfixed materials included for and/or placed on or adjacent to the works such materials shall become the property of the Employer and they shall not be removed except for use upon the works, without the written authority of the Employer. The Contractor shall be liable for any loss of, or damage to, such materials.

- 19. Removal of improper work :** The Employer shall, during the progress of the works, have power to order in writing from time to time the removal from the works within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Bank's Engineer are not in accordance with the Specifications, the substitutions of proper materials, and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the drawings & specifications or instructions and the contractor shall forthwith carry out such order at his own cost. In case of default on the part of Contractor to carry out such order, the Employer shall have the power to employ any pay other persons to carry out the same; and all expenses consequent thereon, or incidental thereto, shall be borne by the Contractor, or may be deducted by the Employer from any moneys due, or that may become due, to the Contractor.

- 20. Defects after virtual completion :** Any defect, shrinkage, settlement or other fault which may appear within the "Defects Liability Period" stated in the Appendix hereto, or, if none stated them within twelve months after the virtual completion of the works, arising in the opinion of the Employer from materials of workmanship not in accordance with the contract, shall upon the direction in writing of the Employer, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor, at his own cost and in case of default the Employer may employ and pay other persons to amend and make good such defects, shrinkage settlements or other faults, and all damages loss and expenses consequent thereon are incidental thereto shall be made good and borne by the Employer or may be deducted by the Employer, upon the Bank's Engineer's Certificate in writing, from any money due or that may become due to the Contractor, or the Employer may in lieu of such amending and making good by the Contractor deduct from any money due to the Contractor a sum, to be determined by the Employer equivalent to the cost of amending such work and in the event of the amount retained under clause 32 hereof being insufficient, recover the balance from the Contractor, together with any expenses the Employer may have incurred in connection therewith. Should any defective work have been done or materials supplied by any sub-contractor employed on the works who has been nominated as provided under clause 12 and 22 hereof, the contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor and been subject to the provision of this clause 2 hereof. The contractor shall remain liable under the provisions of this clause the signing of any certificate or the passing of any accounts by the Employer.

- 21. Certificate of virtual completion and defects liability period:** The works shall not be considered as completed until the Bank's Engineer has certified in writing that they have been virtually completed. The defects liability period shall commence from the date of such certificates.

22. **Nominated Sub-Contractor:** All Specialists, Merchants, Tradesmen and others executing any work of supplying and fixing any goods for which the prime cost prices or provisional sums are included in the Schedule of Quantities and/or Specifications who may be nominated or selected by the Employer or hereby declared to be sub-contractors employed by the contractor and are herein referred to as nominated sub-contractors.

No nominated sub-contractors shall be employed on or in connection with the works against the Contractor shall make reasonable objection are (save where the Architect and the Contractor shall otherwise agree) who will not enter into contract providing.

- (a) That the nominated sub-contractor shall indemnify the contractor against the same obligation in respect of the sub-contract as the contractor is under in respect of this contract.
- (b) That the nominated sub-contractor shall indemnify the contractor against claims in respect of any negligence by the sub-contractors his servants or agents or any misuse by him or them or any scaffolding or other plant, the property of the Contractor or under any Workmen's Compensation Act in force.
- (c) Payment shall be made to the nominated sub-contractor within fourteen days of his receipt of the Employer's Certificate provided that before any Certificate is issued the Contractor shall upon request furnish to the Bank proof that all nominated sub-contractors accounts included in previous certificates have been duly discharged; in default whereof the Employer may pay the same upon a Certificate of the Bank and deduct the amount thereof from any sums due to the Contractor. The exercise of this power shall not create private of contract as between Employer and Sub-Contractor.

23. **Other persons employed by Employer:** The Employer reserves the right to use premises and any portion of the site for the execution of any work not included in this Contract which it may desire to have carried out by other persons, and the Contractor shall allow all reasonable facilities for the execution of such work but shall not be required to provide any plant or material for the execution of such work except by special arrangement with the Employer. Such work shall be carried out in such manner as not to impede the progress of the works included in the Contract and the Contractor shall not be responsible for any damage or delay which may happen to or occasioned by such work.

24. **Insurance in respect of damage to person and property:** The Contractor shall be responsible for all injury to persons, animals or things, and for all structural and decorative damage to property which may arise from the operation or neglect of himself or of any nominated sub-contractor or any employee of either, whether such injury or damage arises from carelessness accident or any other clause whatever in any connected with the carrying out of this Contract. This clause shall be held to include inter alia, any damage to buildings, whether immediately adjacent or otherwise, and any damage to road, streets, foot-paths, bridges or ways as well as damage caused to the buildings and works forming the subject of this contract by frost, rain, wind or other inclemency of weather. The Contractor shall indemnify the Employer and hold it harmless in respect of all and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of any legislature or otherwise and also in respect of any award or compensation or damages consequent upon such claim.

The Contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver up the whole of the Contract works complete to and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties.

An insurance policy covering third party liability shall be taken by the contractor to cover the loss/disablement of human life (persons not belonging to the contractor). This shall also cover the risk of damages to other's materials/equipment/properties including those, if any of the banks during construction/erection/commissioning of the said contract work at site. The value of third party liability for compensation for loss of human life or full /partial disablement shall be of required statutory value for full and partial disablement and shall nevertheless cover such compensation as may be awarded by a court of law. Cover for damage to other's equipment/property shall be as approved by the bank. The sub-contractors of the contractor shall not be holders or beneficiaries in the policy nor shall they be named in the policy. The bank shall be the principal holder of the policy along with the contractor. The bank reserves the exclusive right to assign the policy.

The Contractor shall indemnify the Employer against all claims which may be made against the Employer by any member of the public or other third party in respect of anything which may arise in respect of the works or in consequences thereof and shall at his own expenses arrange to effect and maintain, until the virtual completion of the contract, with an approved office a policy of insurance in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Architect from time to time during the currency of this contract. The Contractor shall also similarly indemnify the Employer, against all claims which may be made upon the Employer whether under the Workmen's Compensation Act or any other status in force during the currency of this contract or at common law in respect of any employee of the Contractor or any Sub-Contractor and shall at his own expenses effect and maintain, in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Architect from time to time during currency of the Contract.

The Contractor shall be responsible for any liability which may be executed from the Insurance Policies above referred to and also for all other damage to any person, animal or property arising out of the incidental to the negligent or defective carrying out of this Contract transit, storage, erection, testing & commissioning policy. He shall also indemnify the Employer in respect of any costs, charges or expenses arising out of any claim or proceedings and also in respect of any award of compensation or damages arising therefrom.

The Employer shall be entitled to deduct the amount of any damage, compensation, costs, charges and expense arising of accruing from or in respect of any such claims or damage from any or all sums due or to become due to the Contractor without prejudice to the Employer's other rights in respect thereof.

25. **Insurance:** The contractor shall, before commencement of the works, insure the works at his cost and keep them insured until the virtual completion of reworks, against loss or damage by fire with an office **in the joint names of the employer and the contractor (the name of the former being placed first in the policy) for the full amount of the contract.** Such policy shall cover the property of the "Employer" only. **The contractor shall deposit the policy and receipts for the premium with the employer before commencement of work.** In default of the contractor, insuring as provided above, the employer may so insure the works and may deduct the premium paid from any moneys due or which may become due to the Contractor without prejudice to the other rights of the Employer in respect of such default. In case it becomes necessary to suspend the works, the Contractor shall as soon as the claim under the policy is settled, or the work reinstated by the Insurance Office, should they elect to do so, proceed with all due diligence with the completion of the works in same manner as though the fire had not occurred and in all respects under the same conditions of Contract. The Contractor

in case of rebuilding or reinstatement after fire shall be entitled to such extension of time for completion as deems fit.

26. **Date of commencement and completion:** The Contractor shall be allowed admittance to the site on "Date of Commencement" stated in the Appendix hereto, or each later date as may be specified by the Employer and he shall thereupon and forthwith begin the works and shall regularly proceed with and complete the same (except such painting or other decorative work as the bank may desire to delay) or before the "Date of Completion" stated in the Appendix subject nevertheless to provisions for extension of time hereinafter contained.
27. **Damages for non-completion:** If the Contractor fails to complete the works by the date stated in the Appendix or within any extended time under Clause 26 and 20 here the Contractor shall pay the Employer the sum named in the Appendix as "Liquidated Damages" for the period during which the said works shall so remain incomplete and the Employer may deduct such damages from any money due to the Contractor.
28. **Delay and extension of time:** If in the opinion of the Employer the works be delayed(a) by force majeure or (b) by reason of any exceptionally inclement weather or c) by reason of proceedings taken or threatened by or dispute with adjoining or neighbouring owners or public authorities arising otherwise than through contractor's own default or (d) by the works or delays of other contractor or Tradesmen engaged or nominated by the Employer and not referred to in the schedule of quantities and/or specifications or (e) by reasons of Bank's Engineer instruction as per clause 17 hereof (f) by reason of civil commotion, local combination of workmen or strike or lockout affecting any of the building trades or (g) in consequence of the Contractor not having received in due time necessary instructions from the College for which he shall have specifically applied in writing or (h) from other causes which the College may certify as beyond the control of contractor or (I) in the event, the value of the work exceed the value of the Priced Schedule of Quantities owing to variation, the College may make a fair and reasonable extension of time for completion shall as soon as may be given written notice thereof to the bank but the Contractor shall nevertheless constantly use his endeavours to prevent delay and shall do all that may reasonably has required to the satisfaction of Bank to proceed with work.
29. **Contractor's failure to comply with Employers instruction:** If the Contractor after receipt of written notice from the Employer requiring compliance within 10 days fails to comply with such further drawings and/or Bank's instructions the Employer may employ and pay other persons to execute any such work whatsoever that may be necessary to give effect thereto, and all costs incurred in connection therewith shall be recoverable from the Contractor by the Employer as a debt or may be deducted by him from any moneys due to the Contractor.
30. **Termination of Contract by the Employer:** If the Contractor being an individual or a firm commits any "act of insolvency" or shall be adjudged an insolvent or being an incorporated company shall have an order for compulsory winding up made against it or pass an effective resolution for winding up voluntarily or subject to the supervisions of the court and the Official Assignee or the Liquidator in such acts of insolvency or winding up, as the case may be, shall be unable within seven days after notice to him requiring him to do so to show the reasonable satisfaction of the Architect that he is able to carry out and fulfill the Contract and to give security therefore, if so required by the Architect.

Or if the Contractor (whether an individual, first or incorporated company shall suffer execution or other process of court attaching property to be issued against the Contractor.

Or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the Contractors.

Or shall assign to sublet this Contract without the consent in writing of the Employer first had and obtained.

Or shall charge or encumber this Contract or any payments due or which may become due to the Contractor hereunder.

- (i) Has abandoned the Contract, or
- (ii) Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progresses of the works for fourteen days after receiving from the College notice to proceed or
- (iii) Has failed to proceed with the work with such due diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or
- (iv) Has failed to remove materials from the site or to pull down and replace work for seven days receiving from the Bank written notice that the said materials or work were condemned and rejected by the Bank's Engineer under these conditions' or
- (v) Has neglected or failed persistently to observe and perform all of any of the acts, matter or things by the Contract to be observed and performed by the Contractor for seven days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same.

Then and in any of the said cases the Employer may, notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor, determine the Contract, the whole of which shall continue in force as fully as if the Contract has not been so determined, and so if the works subsequently execute had been executed by or on behalf of the Contractor. And further, the Employer by his agents or servants may enter upon and taken possession of the works and all plant, tools scaffoldings, sheds, machinery, steam and other power utensils and materials lying upon the premises or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the work or by employing any other Contractor or other person or persons to complete the works, and the Contractor shall not in any way interrupt or do any act matter or thing to prevent or hinder such other contractor or other person or persons employed for completing and finishing or using the materials and plant for the works. When the works shall be completed or as soon thereafter as convenient the College shall give a notice in writing to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within a period of fourteen days after receipt thereof by him, the Employer may sell the same by public auction, and give credit to the Contractor for the net amount realized. The employer shall thereafter ascertain and certify in writing under his hand what of the said plant and materials so taken possessions or by the Employer and the expenses or loss which the Employer shall have been put to in procuring the works to be completed and the amount. If any, owing the Contractor and the amount which shall be so certified shall thereupon be paid by the Employer to the Contractor or by the Contractor to the Employer, as the case may be, and the Certificate of the College shall be final and conclusive between the parties.

31. **Termination of Contract by Contractor:** If the payment of the amount payable by the Employer under Certificate of the Bank's Engineer shall be in arrears and unpaid for thirty days after notice in writing requiring payment of the amount as aforesaid shall have been given by the Contractor to the Employer, or if the Employer interferes with or obstructs the issue of any such Certificate, or if the Employer shall repudiate the Contract, or if the works be stopped for

three months under the order of the Architect or the Employer or by any injunction or other order of any court of to Law, then and in any of the said cases the Contractor shall be in liberty to determine the Contract by notice in writing to the Employer, and he shall be entitled to recover from the Employer, payment for all works executed and for any loss he may sustain upon any plant or materials supplied or purchased or prepared for the purpose or the Contract.

In arriving at the amount of such payment the net rates contained in the Contractor's original Tender shall be followed or where the same may not apply valuation shall be made in accordance with Clause 17 hereof.

32. **Certificates and Payments:** The Contractor shall be paid by the Employer from time to time by installments under interim Certificate to be issued by the Bank's Engineer on account of the works executed work to the approximate value named in the Appendix as 'Value of work for Interim Certificate' has been executed in accordance with this Contract, subject, however, to a retention of the percentage of such value named in the Appendix as "Total Retention Money" after which time the installments shall be up to the full value of the work subsequently so executed and fixed in the building. And when the works have been virtually completed, the Contractor shall be paid by the Employer in accordance with the Certificate to be issued by the Bank's Engineers the sum of money named in the Appendix as "installment after Virtual Completion" being a part of the said Total Retention Money. And the Contractor shall be entitled to the payment of the Final Balance in accordance with the final Certificate at the expiration of the period referred to as 'the Defects liability Period' in the Appendix hereto from the date of virtual completion or as soon as after expiration of such period as the works shall have been finally completed and all defects made good according to the true intent and meaning hereof whichever shall last happen provided always or at or after their completion shall not relive the Contractor from his liability under clause 21 and 36 nor relieve the Contractor of his inability in cases of fraud, dishonesty, or fraudulent concealment relating to the works or materials or to any matter dealt with in the Certificate and in case of the all defects and insufficiencies in the works or materials which a reasonable examination would not have disclosed.

The Employer shall have power to withhold any Certificate if the works or any parts thereof are not being carried out to his satisfaction.

33. **Delayed Payment:** Any amounts payable by the Employer to the Contractor shall, if not paid within the 'period of honouring Certificates' names in the Appendix carry interest at the rate named in the Appendix as the "Rate of interest for delayed payment" from the date upon which sum ought to have been paid by the Employer until the payment.
34. The decision, opinion, direction Certificate (except for payment) with respect to all or any of the matters under Clauses 2(a,b), 4,5, 14, 20 (a,b,c,d and f) hereof (which matters are herein referred to as the excepted matters) shall be final and conclusive and binding on the parties hereto and shall be without appeal. Any other decision, opinion, direction, shall be subject to the right of Arbitration and review under the Clause 35 hereof in the same way in all respects (including the provisions as to opening the reference).
35. **Settlement of disputes by Arbitration:** All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or after the completion and whether before or after the determination abandonment or breach of the contract) shall be referred to and settled by the Bank who shall state its decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Bank with respect to any of the excepted matters shall be final and without

appeal as stated in Clause 33 hereof. But if either the Contractor be dissatisfied on any matter on which a decision is taken by the Bank as above, except any of the expected matter the Contractor may within 28 days after receiving notice of such decision give a written notice to the other party requiring that the matters in dispute be arbitrated upon. Such written notice shall specify the matters, which are in dispute or difference of which such written notice has been given. If both the parties agree, a single arbitrator would be appointed for the purpose. In case no agreement could be reached on the appointment of single arbitrator, both the parties will nominate one person each as an arbitrator on their behalf. The two arbitrators nominated by the parties shall nominate one more person to act as third arbitrator or umpire.

The arbitrator or Arbitrators, as the case may be, shall have power to open up, review and revise any certificate, opinion, decision, requisition or notice, save in regard to the excepted matters, referred to in the preceding clause, and to determine all matters to dispute which shall be submitted to arbitration and of which notice shall have been given as aforesaid.

The arbitrator or Arbitrators, as the case may be, shall make his or their award within one year (or such further extended time as may be decided by him or them as the case may be with the consent of the parties) from the date of entering on the reference. In case during the arbitration proceedings the parties mutually settle or compromise their dispute or difference, on the parties filing their joint memorandum of the settlement or compromise, the Arbitrator or the Arbitrators as the case may be, shall make an award in terms of such settlement or compromise.

Upon any such reference, the decision on the cost incidental to the reference and Award respectively shall be in the discretion of the arbitrator or Arbitrators as the case may be, who may determine the amount thereof or direct the same to be taxed as between the party and party, and shall direct by whom and to whom and in what manner the same shall be borne and paid.

This submission shall be deemed to be a submission to arbitration within the meaning of the Indian Arbitration and Conciliation Act, 1996 or any statutory modification thereof.

The award of the arbitrator or Arbitrators, as the case may be, shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence and shall until the decision of the Arbitrator or Arbitrators, as the case may be, is given, abide by the decision of the Bank. No award of the Arbitrator or Arbitrators, as the case may be, shall relieve the Contractor of his obligations to adhere strictly to the Bank's instructions with regard to the actual carrying out of the works. The Employer and the Contractor hereby also agree that arbitration under this Clause shall be a condition precedent to any right of action under the Contract.

36. **Right of technical scrutiny of final bill:-** Employer shall have the right to cause a technical examination of the works and the final bill of the contractor including all supporting vouchers, abstracts, etc. to be made at the time of payment of the final bill. If as a result of this examination of otherwise any sum is found to have been overpaid or over certified it shall be lawful for the employer to recover the sum.
37. **Employer entitled to cover compensation paid to workman:-** If, for any reason, the Employer is obliged, by virtue of the provisions of the Workmen's Compensation Act, 1923, or any statutory modification or re-enactment thereof to pay compensation to a workman employed by the Contractor in execution of the works, the Employer shall be entitled to recover from the Contractor the amount of compensation so paid, and without prejudice to the rights of the Employer under the said Act. The Employer shall be at liberty to recover such amount or

any part thereof by deducting it from the security deposit or from any sum due by the Employer shall not be bound to contest any claim made against it under the said Act, except on the written request of the Contractor and upon his giving to the Employer full security to the satisfaction of the Employer for all costs for which the Employer might become liable in consequence of contesting such claim.

38. **Abandonment of works:-**If at any time after the acceptance of the tender, the Employer shall for any reasons whatsoever not requires the whole or any part of the works to be carried out, the Bank shall give notice in writing to the Contractor who shall have no claim to any payment of compensation or other-wise whatsoever on account of any profit or advantage which he might have derived from the execution of the whole works.
39. **Return of surplus materials-**Notwithstanding anything to the contrary contained in any or all the clauses of this Contact, where any material for the execution of the Contract is procured with the assistance of the Employer by purchase made under orders or permits or licenses issued by Government, the Contractor shall hold the said materials economically and solely for the purpose of the Contract and not dispose of them without the prior written permission of the Employer and return it to the Employer, if required by the Employer, at the price to be determined by the Bank having due regard to the conditions of the materials, the price to be determined not be exceed the purchase price thereof inclusive of sales tax, octroi and other such levies paid by the Contractor in respect thereof, in the even of breach of the aforesaid condition, the Contractor shall in addition to being liable to action for contravention of the terms of licenses or permit and/or criminal breach of trust, be liable to Employer for all moneys, advantages or profits resulting or which in the usual course would have resulted to his by reason of such breach.
40. Right of employer to terminate contract in the event of death of Contractor or individual Without prejudice to any of the rights or remedies under this Contract, if the Contractor, being an individual, dies, the Employer shall have the option of terminating the contract without incurring any liability for such termination.
41. **Non-disclosure clause:-**
The Contractor shall not disclose directly or indirectly any information, materials and details of the Bank's infrastructure/systems/equipment etc., which may come to the possession or knowledge of the Contractor during the course of discharging its contractual obligations in connection with this agreement, to any third party and shall at all times hold the same in strictest confidence. The Contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The Contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The Contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the Contractor and the Employer shall be entitled to claim damages and pursue legal remedies.
42. **Sexual Harassment of women at work place**
a) The contractor shall be solely responsible for full compliance with the provisions of "the Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act, 2013". In case of any complaint of sexual harassment against its employee within the premises of the Bank, the complaint will be filed before the Internal Complaints Committee constituted by the contractor/Agency and the contractor.

- b) Any complaint of sexual harassment from any aggrieved employee of the Service Provider against any employee of the Bank or any employee of any other firm working in the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.
- c) The contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employees of the contractor, for instance any monetary relief to Bank's employee or other firm's employee, if sexual violence by the employee of the contractor is proved.
- d) The contractor shall be responsible for educating its employees about prevention of sexual harassment at work place and related issues.
- e) The contractor shall provide a complete and updated list of its employees who are deployed within the Bank's premises.

SECTION VI

SPECIAL CONDITIONS

1. Work is to be carried out in occupied premises / building. The tenderer may note that the work is to be executed with least disturbance to the users.
2. Intending tenderers are advised to inspect and examine the site and its surroundings and satisfy yourself before submitting your quotation and to obtain all necessary information as to the risk, contingencies and other circumstances, which may influence or affect your quotations. You shall be deemed to have full knowledge of the site, whether you inspect it or not and no extra charges will be paid by RBSC in this regard.
3. The workmen will not be allowed to stay within the premises beyond working hours.
4. The water required for the work or workmen may be taken free of cost from the available sources/points in the premises. However, the contractor has to make all necessary arrangements for taking the water to the required locations at his own cost. Similarly, the electric power required for the work may also be drawn free of cost from the available points. The contractor has to make his own arrangements to take the supply to the requisite position / locations.
5. Permission, if any, required from the local bodies shall be obtained by the contractor at his cost.
6. Fabrication work shall be done at the contractor's factory/ workshop to the customized size to suit the site conditions. Bank's authorized official/s shall be entitled to inspect the material / fabrication work at any time in the factory or workshop of the contractor, if they so desire and the vendor shall provide all reasonable facilities to do so.
7. The material required for the work are to be taken to the work place through the staircase without any damages to the buildings and least disturbance to the residents.
8. The debris/dust or any wastage generated out of the work shall be cleaned on a day to day basis including staircase, passages affected/used by the labourers at no extra cost. The entire debris/waste material shall be taken out of the Bank's premises as and when directed by the Bank's Engineer. The contractor will be solely responsible if any debris is noticed by the Municipal Corporation authorities and penalty levied.
9. The work may also be done after normal working hours i.e. during nighttime as well as on holidays so as to complete it within the stipulated time frame. No extra charges will be paid under any circumstances for the late working hours, etc. whatsoever may be the reason. All dismantling work which involves generation of noise shall be done in a planned manner and preferably during day time. It shall be ensured that all the works in the proposed renovation are completed at the earliest possible time. The entire work shall be carried out with proper planning and least disturbance to the occupants.
10. Any damages caused to the Bank's property or residents' property by the contractor or his workers, the same shall be repaired/ rectified by the contractor at his own cost.
11. The successful tenderer will be required to prepare sample of each item of work at his own cost for Bank's approval. The work on large scale shall be taken up only after approval of the samples by the Bank's Engineer.

12. Extreme care shall be taken by the contractor to protect existing fittings/ fixtures/ structure / finishes. Any damages caused during the execution of the work shall be made good by the contractor at his own cost.
13. The tenderer shall use only the materials approved by the Bank's Engineer from the list mentioned in the Approved list of materials and stated in the Schedule of Quantities. The Bank will be at the liberty to choose any of the brands from the said list within the scope of the quoted rates. The contractor has to arrange for the samples of all the items required for the work to seek Bank's approval at his own cost before proceeding with bulk purchase.
14. Programme should be submitted before commencement of work so as to enable the Bank to intimate occupants and other agencies in advance for smooth working and better progress and the time schedule should be strictly adhered to.
15. Contractor shall procure the required quantity of the materials before commencement of work. He shall make his own arrangements for storing of their materials at site.
16. The successful tenderer shall be solely responsible for safety & security of the materials. He shall also take necessary fire prevention steps at all the times.
17. The Contractor should have valid Labour License from the Labour commissioner wherever the number of labourers engaged is 20 or more.
18. The contractor shall employ a well experienced site supervisor to supervise day-to-day works. Such a person shall be capable of following the instructions of the Bank's Engineers and execute the works as per the specifications laid down in the Tender.

Place

Signature of tenderer

Date

Name & Address

Section VII

APPENDIX HEREIN REFERRED

1.	Defects Liability / Performance Guarantee Period	One year from the date of virtual completion of the work.
2.	Period of Final Measurement	90 days from the date of virtual completion of the work.
3.	Date of commencement	Within 10 days from the date of written order to commence the work (inclusive of the date of work order)
4.	Date of completion	60 days which shall be reckoned from the 10 th day of issue of written order to commence the work.
5.	Rate of Liquidated Damages	0.25% of the contract value per week for the period for which the work remains incomplete beyond the stipulated period of completion subject to the ceiling of 10% of the contract value.
6.	Release of Total Security Deposit (Retention Money)	Retention Money of 5% deducted from final bill without any interest, will be released by the Employer after the expiry of the Defect Liability Period subject to the satisfactory rectification of all defects pointed out during the Defect Liability Period.
7.	Period for honouring certificates of payment	45 days for Running Account (RA) bills and 90 days for final bill.
8.	Interest for delayed payment	3% simple interest per annum.

Signature of Contractor

With seal

Section VIII

Technical Scope of works and Specification

Technical Scope of works:

Electrical renovation of Lab-01 (Arabian sea) at first floor, college block, Reserve Bank Staff College, Teynampet, Chennai.

The scope of work includes carefully removing & dismantling the existing light fittings, other electrical equipments such as all type of distribution & switch boards, TV, network equipments, ceiling speakers etc and carefully remove the old electric cables / wires or fire cables or PA cables, network cables etc. mending the damages caused etc.,

Work includes providing new UPS, Raw & lighting DBs, Electrical rewiring, providing required switchboards, LED light fittings, new decoration type LED lights, using rigid PVC conduits, GI raceways etc in concealed fashion, where this is not possible using casing capping, corrugated PVC pipes etc as per the indicated architect drawings and the instructions of the Bank's Engineer.

All the minor civil works related to the electrical items are covered under this scope of contractor, such as fixing of concealed DB / switch boards / light fittings / LED lights etc, including wall / wooden / false ceiling / flooring, ceiling / decoration wall cutting, chasing, cementing, touch up plastering / painting upto the original surface, hanging / mounting of the light fittings etc.

All the tools & tackles, testing equipments, any kind of hardware and other accessories required to complete the assigned electrically listed BOQ works in full completion is under the scope of the contractor.

Work also include refixing of the removed electrical items / fittings to the original location as per drawings/ as per engineer directed location except the rebate items.

Technical Specifications of work

1	COMMON FOR ALL WORKS TO BE CARRIED OUT EVEN THOUGH IT IS NOT EXPLICITLY MENTIONED.
	Rules and regulation: - The installation shall generally be carried out in conformity with the requirements of Indian electricity act 1910 as amended up-to-date and the latest Indian electricity rules and supplementary regulations of the state electricity department and electricity undertakings and where the installation is subject to inspection and approval of fire insurance and explosives authorities, such installation shall be planned and executed to conform to their special rules. definition and conventional symbols: - the definition of terms in I.E.E. wiring regulation shall apply except the definition of a point.
	Materials: All materials, fittings and appliances used in the electrical installation shall be of the best quality obtained and of approved manufacture and shall conform to the latest Indian Specifications wherever these exist. The tenderer must submit along with the tender the names of manufacturers, categories, etc. of material and fixtures which they propose to use

	Workmanship: - Good workmanship and neat appearance are the pre requisites for compliance with the various sections of these specifications. The work shall be carried out under direct supervision of a person holding valid certificate of competency issued by the State Government and in accordance with the statutory rules and regulations in force. The relevant I.S.I. code of practice shall be followed wherever applicable. The Licentiate wireman will be used to carry out the work
	Earthing: Except for equipment provided with double insulation, all non-current carrying metal parts of electrical installations are to be earthed properly. All metal conduits, cable sheaths, switchgear, distribution fuse boards, etc. shall be bonded together and connected to an efficient earth electrode. Medium voltage energy, consuming plant and equipment shall have two separate and distinct connections with earth
	• Bolt nut and washers to be of GI and of tinned brass or copper.
	• Sufficient blanking plates / Dummies to be supplied wherever required.
	• Cost of any associated works such as civil work, drilling / Wall opening, road cutting / core cutting etc should be carried out without any extra cost to Bank.
	• Cable termination to be carried out with suitable glands, lugs, earth clips, insulated copper wires / copper cables etc.
	• Necessary Signage / Cable identification tags / Load identification / Schematic diagram on DB etc. to be provided and as directed by engineer.
	• All Switches / gang box/ switch plates / sockets (Modular type) / buzzer are of modular type
	• All MCBs are 10 kA, for AC application, C-curve unless or otherwise specified
	Socket outlet & plugs: - Every socket outlet shall be controlled by switch which will be on the live side of the line. It shall normally be 23cm above floor level or as directed. In an earthed system of supply, the outlet and plug shall be of three pin type and the third terminal connected to earth.
	Fitting and accessories: Where conductors are required to be drawn through tube or channel leading to the fittings, the tube or channel must be free from sharp angles or projecting edge and of such size as will enable them to be wired with the conductors used for the final sub-circuit without removing the braising or taping. As far as possible all channels should be of sufficient size to permit looping back.
	Supply and laying of armoured power cables • All cables are armoured, voltage grade: 1100V, XLPE insulated, PVC inner sheath and FRLS outer sheath, stranded conductor. • Power cable shall be routed partially through ground and partially through walls (partially open/ Concealed) / cable tray / raceways in neat manner. • While taking cables through ground, then cable should be routed through a minimum depth of 50cm. Brick protection / routed through necessary suitable rated and sized HDPE should be provided. Cost of any associated works such as drilling/ wall opening, road cutting etc should be included.
	PVC Conduit Wiring System: Concealed conduit wiring system: No conduit less than 25mm in diameter shall be

	used. For PVC conduit, medium duty minimum ISI marked conduit and also accessories of same make shall be used. Conduit Joints: Conduit pipes shall be jointed properly. In long distances straight runs of conduit, inspection type couplers shall be provided. Making of chase: The chase in the wall shall be neatly made and be of ample dimensions to permit the conduit to be fixed in the manner desired. In the case of building under construction, chase shall be provided in the wall etc. at the time of their construction and shall be filled up neatly after erection of conduit and brought to the original finish of the wall. Fixing of conduit in chase: The conduit pipe shall be fixed by means of clamps in concealed manner. Fixing of standard bends or elbows shall be avoided as far as practicable and all curves maintained by bending the conduit pipe itself with a long radius which will permit easy drawing in conductors. Inspection boxes: Suitable inspection boxes shall be provided to permit periodical inspection and to facilitate removal of wires, if necessary. These shall be mounted flush with the wall. Suitable ventilating holes shall be provided in the inspection box covers. Types of accessories to be used: All outlets such as switches, wall sockets, etc. may be either flush mounting type or of surface mounting type, wherever indicated concealed type switch & sockets to be provided.
2 (a)	Supply and installation of 18-way SPN Double Door Horizontal type DB (UPS DB) • Factory fabricated, powder coated single phase electric distribution board • Total modules – Incomer : 2 no.s, Outgoing – 16 no.s • Flush mount type • Door type: Double door • With Neutral bar, Earth bar, Internal wiring, and Cable ties for Cable management • All MCB's for AC application - 10 kA short circuit capacity, C- curve • Incomer: i. 32A, 2 Pole MCB - 1 No • Outgoing i. 10 A, 1 Pole MCB - 14 No.s ii. 16 A, 1 Pole MCB - 2 No.s
2 (b)	Supply and installation of 06 way TPN Double Door Vertical DB (Raw power PDB) • Factory fabricated, powder coated, three phase electric distribution board • Total modules – Incomer : 1 no.s (six module 3 phase cut out), Outgoing – 18 no.s (9 on each side) • Flush mount type • Door type: Double door • With Neutral bar, Earth bar, Internal wiring, and Cable ties for Cable management • All MCBs for AC application with 10 kA short circuit capacity, C- curve

	• Incomer: i. 63A, Triple pole neutral (TPN) MCB - 1 No • Outgoing i. 10/16 A, 1 Pole MCB - 13 No.s ii. 25 A, 1 Pole MCB - 2 No.s iii. 25 A, 3 Pole MCB - 1 No.s (For 3 phase Cassette AC)
2 (c)	Supply and installation of 16- way SPN Double Door Horizontal DB (LDB)
	• Factory fabricated, powder coated single phase electric distribution board • Total modules – Incomer : 1 no.s, Outgoing – 14 no.s • Flush mount type • Door type: Double door • With Neutral bar, Earth bar, Internal wiring, and Cable ties for Cable management • All MCB's for AC application with 10 kA short circuit capacity, C- curve • Incomer: i. 32A, 2 Pole MCB - 1 No • Outgoing i. 10 A, 1 Pole MCB - 14 No.s ; one dummy
3	Wiring / Point wiring (Common for all the works)
	• All wires used should be FRLS PVC insulated, 1100 Volt • Conductor material: Multi stranded, Copper conductors • Colour code should be followed as mentioned, Phases - Red/ Yellow / Blue - Neutral- Black - Earth- Green • PVC wires should be routed, partially open/ concealed, through ISI marked, medium class FRLS PVC conduit/ bends/ coupling etc. of suitable size, such that wires inside the conduit won't get crowded. Minimum size of conduit: 20mm dia., Medium class conduit (FRLS). Conduits should be concealed on the wall. • Preferably power / UPS circuit, light circuits should be routed through separate conduits. • Sufficient number of junction box / ceiling rose should be provided as per site condition. • Rigid / Flexible PVC conduit should be provided, wherever necessary • Wiring should be carried out in neat manner following good engineering practice as directed by the Bank engineer. • Any associated civil work as per site condition shall be carried out as per direction of the Bank engineer. • Termination of all wires above 4 sq.mm should be done with proper lugs.
4	Wiring for UPS, Lighting and Raw power should be in line with the attached architect drawings and in consultation and approval from Bank engineer, work to be executed and if any changes in location of DB / switchboards / AC boxes etc to be carried out prior approval of Engineer is mandatory. Contractor to change on his own or Independent change of circuits, light points, AC points and its locations etc is not

	permitted.
6	All the supplied electrical and associated items, , Brochures and catalogues must be supplied to Bank engineer without any additional charge.
7	Colour coding of phase wires and earthing and ground to be maintained as per IS standard and allowed Electrical loading as per IS standard to be maintained in all execution works.

Note 2: Please refer the above works have to be executed in line with the appended [Annexure-III](#)- Tentative classroom drawings – (sl.no.01 to 03).

All the work shall be executed as per the details indicated in the Schedule of Quantities, Architect drawings and appropriate IS codes.

Bank Approved makes

APPROVED LIST OF MATERIALS & OFFERED MAKE AND MODEL BY CONTRACTOR

The Bank reserves the right to select any of the material at no extra item within the scope of quoted rates.

Sl. No.	Material	Bank Approved Makes	Offered Make / model (To be filled by contractor)
1	FRLS cables & wires/Power cables	Finolex, Polycab, RR Kabel	
2	switches, sockets & ceiling rose, back / gang switch boxes, front and back switch plates, RJ-11 telephone sockets etc	MK (Blenze Plus) / Legrand (Myrius) / Legrand (Arteor) / equivalent make and model as approved by Bank.	
3	Distribution boards, AC boxes, MCCB, MCB, RCCB's/ ELCB's etc	Siemens, Legrand, L&T / equivalent Bank approved make and model	
4	Telephone cable	Finolex, Polycab, RR kabel	
5	PVC conduits / casing capping etc	Modi, Precision, avonplast, Astral / equivalent make and model as approved by Bank	
6	Cable tray and ladder systems	CABLOFIL (Legrand) / EATON / OBO Betterman / PROFAB / MK / equivalent make and model as approved by Bank	
7	5W LED / other LED down / decorative / board lights	Philips, Crompton and Havells equivalent make and model as approved by Bank	
8	Ceiling Speakers	Bosch, JBL / equivalent make and model as approved by Bank	
9	IT based Gang / Back switch boxes and CAT-6 based sockets	D-Link, Commscope equivalent make and model as approved by Bank	
10	2'x2' led light recessed type fittings (36W)	Crompton -Polaris Neo – (LCTLRN-36W-FO-CDL) (or) Havells- (PLANO2X2PLR36WL ED857TAPSPop) (or) Philips (RC 420B M LED 34S 6500 PSU WH - core view / RC380B LED36S-6500 G5 L60W60 PSD OD) or any other equivalent make as approved by Bank	

11	18W LED recessed light fittings	Crompton- star LORD- LSDRLORD/LSDSLORD-20W-CDL (or) Havells - VIBEFLRDDLR18WLE D857S (or) Philips-DN296B LED12S-6500 PSU WH – Green Perform Sleek / DN296B LED20S-6500 PSU WH (or) any other equivalent make as approved by Bank	
----	---------------------------------	--	--

Any other items which are not exclusively indicated in the above list of items also subject to the approval of the Bank.

Place:

Signature of Tenderer

Date:

Name & address

Bill of Quantities (Unpriced)

SI No	Description of work	Qty	Unit
1.	Carefully disconnecting & dismantling / removing the Lab-01 – Arabian Sea existing electric light fittings, UPS & power & lighting DBs, circuit wirings (belongs to lights / switch boards / UPS / Raw power / AC units / TVs / computers / Network / Audio video (AV) systems / Amplifiers / public address (PA) system, speakers etc.), Distribution Board MCB's & its cable / circuit wirings, LAN / Network cables, wires / cables of Public address (PA) / podium system / water purifier / wall clocks, etc. Similarly, carefully disconnecting & dismantling of light sensors, TV sets, old electric conduits / casing capping / flexibles, switch & sockets, various sized switch boards provided on wall / tables, All kind of light fixtures, any electrical fittings & light wirings, secondary UPS & raw power circuit wirings, all plug points, incomer / outgoing cables of all DB's, cassette ACs, any switch boards, etc. keeping all the above dismantled items in good condition and under safe custody of the contractor in the Bank Engineer indicated location. Work includes that after renovation of Lab-01 – Arabian Sea, again refixing of the above stored electric equipments like TV sets, amplifiers, water purifiers, PA & podium speakers / wall clocks, light sensors with required contactors, etc., including the relaying of its cables / wires, connections, etc., (Including wirings, drilling / mounting on wall, fixing on walls, false / true ceilings, etc.) using new suitable sized rigid PVC conduits / corrugated flexible PVC pipes / casing & capping with clamps, connectors, etc., as per architect drawings and as directed by the Bank's Engineer.	1	Job

2.	SITC of single phase UPS Distribution Board (UPSDB): Supply, Installation, Testing and Commissioning (SITC) of 18 way double door, factory fabricated, powder coated, metal body, horizontal type, single phase (SPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected / new incomer cables with clamps and taking away individual outgoing circuits, internal wirings, earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional 1 inch rigid MMS empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be minimum 10kA short circuit current capacity and C curve type. Incomer: 32 Amps Double pole MCB - 1 no. Outgoing : (a) 10 Amps Single Pole MCB – 14 nos. (b) 16Amps Single pole MCB - 2 nos. Work includes proper marking of incoming and outgoing circuits with stickers including cable tagging, etc. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.	1	Job
3.	SITC of Three phase power distribution board (Raw power-PDB): Supply, Installation, Testing and Commissioning (SITC) of six way double door, factory fabricated, powder coated, metal body, vertical type, three phase (TPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected incomer cables with clamps and taking away individual outgoing circuits, internal wirings,	1	Job

	earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional one inch rigid MMS rigid empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be 10kA short circuit current capacity and C curve type. Incomer: 63 Amps TPN MCB (4 pole) - 1 No. Outgoing: (a) 10/16 Amps Single pole MCB - 13 nos. (b) 25 Amps Single pole MCB - 2nos. (c) 25 Amps Three pole MCB - 1 nos. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.		
4.	SITC of single phase Lighting Distribution Board (LDB): supply, Installation, testing and commissioning (SITC) of 16 way double door, factory fabricated, powder coated, metal body, horizontal type, single phase (SPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected incomer cables with clamps and taking away individual outgoing circuits, internal wirings, earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional 1 inch rigid MMS rigid empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be 10kA short circuit current capacity and C curve type. Incomer: 32 Amps Double pole MCB- 1 No. Outgoing :10 Amps Single Pole MCB – 14 Nos.; Work includes proper marking of incoming and outgoing	1	Job

	circuits with stickers including cable tagging, etc. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.		
	Power cables		
5.	Power Cable: Supply and Laying of 4 core 25 sq.mm Aluminium conductor based armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From Main panels located at ground floor to Power DBs located at First floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	25	Meter
6.	UPS cable: Supply and Laying of 3 core 6 sq.mm copper conductor armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From 20kVA UPSDB located at first floor to UPSDB located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	25	Meter
7.	AC cable: Supply and Laying of 4 core 2.5 sq.mm copper conductor armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From PDB located at first floor to outdoor AC unit controls located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings / walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	15	Meter
8.	Lighting Cable: Supply and Laying of 3 core 4 sq.mm copper conductor armoured (Al.) cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From Raw power PDB located at first floor to lighting DB's / AC	45	Meter

	outdoor units control switches located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.		
9.	Supply and laying of 2 runs of 8 SWG copper solid conductors from nearest earth bars / source electric panels to above supplied power distribution boards.	50	Meter
10.	Telephone wiring: Supply and laying of two pair 0.5mm. dia. copper conductor PVC insulated telephone wire from the nearest input krone box routed/drawn with suitable sized rigid, medium duty PVC conduit with required accessories like bends, couplers, junction & inspection boxes etc. in partially concealed/ casing & capping / corrugated flexible PVC etc (From nearest krone upto the telephone outlet box near podium), work includes wire termination works / connections etc. The quoted rate shall also include wire end connections, all accessories/ hardware like connectors, nut bolts etc and as per site requirement and as directed by Bank Engineer & as per architect drawings.	40	Meter
11.	Speaker wiring: Supply and laying of speaker wiring of 2 core x 1.5 sq.mm copper conductor PVC insulated flexible wires from the nearest input Public address speaker (outside of the hall) / inside audio equipment / Amplifier device routed /drawn in suitable sized rigid, medium duty PVC conduit with required accessories like bends, couplers, junction & inspection boxes etc. in partially concealed/ casing & capping / corrugated flexible PVC etc The quoted rate shall also include wire end connections, all accessories/ hardware like connectors, nut bolts etc and as per site requirement and as directed by Bank Engineer & as per architect drawings. These wiring for usage and to be connected with existing public address system & amplifier system / video conference systems etc.	70	Meter
12.	Cable Raceways: Supply and fixing of pre galvanized G.I. based three compartment type inner folded type cables / wire raceway of sizes of 300mm width, 30mm depth, 1.6 mm thickness on the flooring with full length GI top coverings, proper flooring supports, accessories etc. Necessary accessories such as bends, tees, cut provision for junction boxes, wire / cable routings at required places etc. shall be provided and also necessary floor cutting and plastering to original finish all required to complete the work as per site condition and as directed by Bank engineer.	40	Meter

13.	SS based Junction Boxes: supply and fixing of 300mmx300mmx25mm (LxBxD) sized 1.6mm thick SS make, four way open /required way open type junction boxes to be fixed inline the above GI raceways and on the raised wooden floors/ false flooring / on the original flooring etc. supply includes suitable square base plate to hold the top lid, lid shall have necessary holes/ provision to take out the lid separate from the junction boxes, mouths of the junction boxes shall be compatible with above GI raceways, the Junction boxes lids are latchable, necessary knockouts to be provided to route the power and networking cables etc. The provision and location of the junction boxes shall be as approved and directed by Bank engineers and IT engineers and as per architect drawings.	15	No.s
14.	Supply and Installation of min. 25mm diameter rigid PVC conduits (ISI marked) with MMS grade to be laid in concealed manner on wall / partitions/ below floor/ below & above of false floor & false ceiling respectively for IT / CAT06 cables of computers/ network switches /Audio video systems / PA / TV / WIFI wires etc as indicated in drawings, further in coordination with IT engineer of the college and as directed by Bank engineer. works incl. suitable sized PVC couplers, joints, bends, junction boxes etc and same has to be regularly supported by clip, clamps, supports, nut bolts, etc, works have to be carried out as directed by Bank Engineer & in coordination with IT engineer.	30	Meter
15.	Supply and Installation of min. 32mm diameter rigid PVC conduits (ISI marked) with MMS grade to be laid in concealed manner on wall / partitions/ below floor/ below & above of false floor & false ceiling respectively for IT / CAT06 cables of computer/ network switches /Audio video systems / PA / TV / WIFI wires etc as indicated in drawings, further in coordination with IT engineer of the college and as directed by Bank engineer. works incl. suitable sized PVC couplers, joints, bends, junction boxes etc and same has to be regularly supported by clip, clamps, supports, nut bolts, etc, works have to be carried out as directed by Bank Engineer & in coordination with IT engineer.	50	Meter
16.	Circuit Wiring / Sub Circuit Wirings using 3 x 2.5 sq. mm. 1100 Volt grade multi-stranded copper conductor PVC insulated FRLS wires, partly surface/concealed in suitable size rigid, medium duty PVC conduit and wherever pipe is not possible using casing & capping, corrugated pipes with required accessories like bends, tees, junction boxes, joints etc (concealed in wall/floors and surface on ceiling) as per the technical specification (From UPS / Raw power distribution board to table switchboards, TVs, podium, other switchboards etc), works have to be carried out as directed by Bank Engineer.	600	Meter

	Primary point wirings		
17.	MCB / Switch controlled primary light circuits: Supply and laying of switch /MCB controlled primary light circuit wirings drawn from Lighting switch board / UPS switch boards upto respective light fittings (such as 2' x 2' square lights, 18W round fittings, decorative light fittings, board lights etc.) using 2 runs of 1.5 sq.mm (Phase - Red / Blue / Yellow colours respectively, Neutral - Black) and 1 run of 1.5 sq.mm (Earth - Green colour) multi stranded FRLS PVC insulated copper wires drawn through minimum 25mm / suitable sized MMS rigid PVC (ISI marked) conduits concealed in walls by chase cutting / above false ceiling / through partition and refinish the same to original surface using touchup plastering, etc., Wherever concealing is not possible casing & capping / G.I. flexible conduits have to be provided. Works includes providing all necessary hardware and accessories like clamps, bends, couplers, Junction boxes, screws, clippings, ceiling rose, PVC boxes, connectors, clamps of approved make, etc., to complete the same in all aspects and as directed by the Bank's Engineer & as per architect drawings. Note: 1) Average point wiring length = 6 Mtrs 2) A point shall include all the works necessary (drilling / cutting/ holing etc and refinish to original) in complete wiring to the light/ fan / Call bell from the controlling switch. 3) The rate shall be quoted only for point wiring without main circuit wiring.	16	No.s
	Secondary looped circuits:		
18.	Supply and laying of secondary light circuit wirings from above primary light points upto the respective secondary light fittings (such as 2' x 2' square lights, 18W round fittings, decorative & board light fittings etc) / looping of one secondary light fittings to another etc., using 3 runs of 1.5 sq.mm (Phase – Red / Yellow / Blue, Neutral - Black and Earth - Green colours respectively) FRLS PVC insulated, multi stranded copper wires drawn through minimum 25 mm / suitable sized MMS type rigid PVC conduits (ISI marked) concealed in wall by chase cutting / above false ceilings / through partition, etc., and refinish the same to original surface using touchup plastering, etc., Wherever concealing is not possible casing capping / GI flexible conduits have to be provided. Work includes providing all accessories like clamps, bends, couplers, Junction & inspection boxes, screws, clippings, ceiling rose, pvc boxes, connectors of approved make and to complete the same in all aspects and as directed by the Bank's Engineer & as per drawings. Note:	40	No.s

	1) Average point wiring length= 5.5 Mtrs 2) this point wirings shall include all the works necessary (drilling / cutting/ holing etc and refinish to original) in complete wiring from primary lights controlled switch upto the secondary lights / looping circuits etc. 3) The rate shall be quoted only for secondary point wiring without main circuit / primary circuit wirings.		
19.	Supply and installation of UPS/ RAW / IT / Telephone switchboards using modular type housed in single manufacture zinc passivated suitable sized, Bank approved make and model concealed type / surface type single manufacture MS/ PVC back boxes , MS / PVC based back / gang box with front and back cover plates to form various sized switch board (2/3/4/6/8/12 Modules) for usage of Tables / workstation / water coolers / podium / TV/ wall fan/ Telephone/ Audio video / IT / computer equipments. The switch boxes to be fixed either in wall or partition or work station in a concealed to match with original finish / surface mounted fashion as directed, work includes providing necessary dummies/ covers etc. Circuit wiring of above sr.no.16 to be used along with internal wirings and all hardware & accessories, above works are to be done as directed by Bank engineer and as per architect drawings.		
	Concealed type switchboards		
20.	Supply and fixing of Bank approved make and model concealed type 12 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	2	No.s
21.	Supply and fixing of Bank approved make and model concealed type 6 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	4	No.s
22.	Supply and fixing of Bank approved make and model concealed type 4 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	2	No.s
23.	Supply and fixing of Bank approved make and model concealed type 3 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	10	No.s
24.	Supply and fixing of Bank approved make and model concealed type 2 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	6	No.s
	Surface type switchboard items		
25.	Supply and fixing of Bank approved make and model surface type 12 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	2	No.s
26.	Supply and fixing of Bank approved make and model surface type 6 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	32	No.s

27.	Supply and fixing of Bank approved make and model surface type 3 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	30	No.s
28.	Supply and fixing of Bank approved make and model surface type 2 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	34	No.s
29.	Supply and fixing of Bank approved make and model 6Amps modular switch in the above supplied modular switch boxes, accessories etc.	85	No.s
30.	Supply and fixing of Bank approved make and model 6Amps modular socket (3/5 pin) in the above supplied modular switch boxes, accessories etc.	80	No.s
31.	Supply and fixing of Bank approved make and model 16Amps modular switch with neon indicator in the above supplied modular switch boxes, accessories etc	45	No.s
32.	Supply and fixing of Bank approved make and model 6/16Amps modular socket in the above supplied modular switch boxes, accessories etc.	45	No.s
33.	Supply and fixing of Bank approved make and model DATA I/O port/s (RJ 45 socket with shutter), work includes providing necessary hardware, accessories to complete the same etc.	42	No.s
34.	Supply and fixing of Bank approved make and model telephone I/O port/s (RJ 11 socket with shutter), work includes providing necessary hardware, accessories to complete the same etc.	1	No.s
	IT Data cable removal and relaying works		
35.	Removal and relaying of existing CAT-6 and other network related cables, network related items and IT based outlet boxes in coordination with IT engineer of the Bank and as directed by Bank engineer.	1	Job
	Supply, Installation, Testing and commissioning of following light fittings Inc. Hardware items, ceiling rose, square box, light holders, GI flexible conduits, wire connectors, light driver & its connections, required hylum sheet / acrylic sheet etc as per the architect drawings and other accessories as required items for installation below the false ceiling/ Side walls/ POP incl. POP cuttings & refinish to original surface, touch up painting etc (Quantities are indicative, execution should be strictly be based on site conditions and as directed by Bank engineer).		
36.	2 feet x 2 feet LED ceiling type light fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, Aluminium construction, minimum 36W LED based , minimum 100 Lumen per watt, (>80) CRI, concealed recessed square lights (600x600mm) suitable for fixing POP /gypsum /grid type false ceilings, support to be provided by using hanging chains / suitable & minimum 1no. x 6mm threaded rods from the true ceiling using anchor, fasteners, hooks, nut and bolts etc and as directed by Bank's Engineer.	12	No.s

37.	LED Down Light Fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, minimum 15W round LED Down lights , minimum 100 Lumen per watt, LED Down light fittings recess mounting, Aluminium construction body with Dog-ears for easy Blind Mount Installations /ceiling mounted with 2 spring clamps, concealed type complete set with approved make based on latest technology& reliable heat management, after carefully cutting the false ceiling / POP of required size and fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	10	No.s
38.	Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, minimum 5W round LED Down lights , minimum 100 Lumen per watt, LED Down light fittings recess mounting, with Dog-ears for easy Blind Mount Installations /ceiling mounted with 2 spring clamps, concealed type complete set with approved make based on latest technology & reliable heat management, after carefully cutting the false ceiling / POP of required size and fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	20	No.s
39.	Board light Fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make with minimum 10W LED board/ head / decorative light fittings wall mounted, with surface type complete set with approved make based on latest technology & reliable heat management, after carefully fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	2	No.s
40.	Supply, Installation, Testing & Commissioning (SITC) of suitable minimum 6W recess mounted / ceiling type based speakers , flush mounting with dog-ears for easy Blind Mount Installations / ceiling mounted with 2 spring clamps with excellent sound reproduction quality, work includes terminations of sl.no. flexible wires with speakers and existing public address system & amplifier system / video conference systems etc.	8	No.s
41.	Supply and fixing of new IP-55 based, suitable sized weather proof, outdoor type PVC made flush type box consists of incoming and outgoing knockouts along with 20A double pole MCB-1 no.s for control of the Outdoor AC units. Works	2	No.s

	also include cable terminations using suitable size glands & lugs, internal wirings, all hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings.		
42.	Supply and fixing of new IP-55 based, suitable sized weather proof, outdoor type PVC made flush type box consists of incoming and outgoing knockouts along with 20A four pole MCB-1 no. for control of the Outdoor AC units. Works also include Works also include cable terminations using suitable size glands & lugs, internal wirings, all hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings	1	No.
43.	Light motion sensor with controls: Supply and fixing of new light controlling motion & thermal sensor (6A) with timer controls to be fixed in recessed / ceiling of POP/false ceiling etc and also providing PVC made flush type box consists of incoming and outgoing knockouts along with 16A three pole contactor-1 no.s for control of the above sensor unit. Works also include using sl.no.16 wirings & terminations using suitable sized lugs, glands, all other hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings	2	No.s
	CGST		
	SGST		
	Total Amount (Rupees) (A)		
44.	Buy back amount for removed Old D.B's, Cables, Wires, Old switch & sockets with back boxes, Old light fittings, Conduits, clocks, other damaged items after the work. The rate includes their careful removal at the contractor's cost of DB's, old wires, cables, switch, sockets, ceiling & wall lights, distribution boards (Power, Lighting & UPS) etc. The useful items such as light sensors, telephone instrument, PA & Audio systems to be returned to Bank (B)	1	Job

Annexure I

Proforma for statement of deviations from Technical Specification

The following are the particulars of deviations from the requirements of the Technical Specification:-

Sr. No.	Section No.	Clause No.	Deviation proposed	Remarks (including justification)
1	2	3	4	5

Seal of company

Signature

Date

Name

Designation

Annexure II

Articles of Agreement

ARTICLES of Agreement made on the----- day of-----between the Reserve Bank of India, having its Central Office at Mumbai (hereinafter called “The Employer”) of the one part and----- (hereinafter called “The Contractor”) of the other part.

Whereas the employer is desirous of doing the work of “**Electrical Renovation of Lab-01 (Arabian Sea)** at Reserve Bank Staff College, Chennai” and whereas the said drawings and the specifications and the Schedule of Quantities have been signed by or on behalf of the parties hereto.

And Whereas the Contractor has agreed to execute upon and subject to the conditions set forth in the Conditions and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as “the said Conditions”) the works shown upon the said drawings and/or described in the said Specifications and included in the said Schedule of

Quantities at the respective rates therein set forth amounting to the payable there under (hereinafter referred to as “the said Contract Amount”).

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the said Contract Amount to be paid at the time and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work described in the said Specifications and the Schedule of quantities.
2. The Employer shall pay the Contractor the said Contract amount or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.
3. The said conditions and Appendix thereto and the correspondence attached hereto shall be read and construed as forming part of this Agreement and the parties hereto shall respectively abide by and submit themselves to the said Conditions and the correspondence and perform the agreement on their part respectively in the said Conditions and the correspondence contained.
4. The plans, agreement and documents mentioned herein shall form the basis of this contract.
5. This Contract is an item rate contract to be paid for according to the completion of work as contained in Schedule of Quantities or as provided in the said conditions and all as per specifications and working drawings.
6. The contractor shall afford every reasonable facility for carrying out of all works of other Contractors appointed by the Employer and shall make good any damages done to walls, floors etc. after the completion of such works.
7. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work/job from the 10th day of issue of formal work order as provided for in the said conditions and to complete the entire work specified within 35 days subject to nevertheless to the provisions for extension of time.
8. All payments by the Employer under this Contract will be made only at Chennai.
9. All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Chennai and only Courts in Chennai shall have the jurisdiction to determine the same.
10. That the several parts of this contract have been read by the Contractor and fully understood by the Contractor.
11. The contractor is bound to abide by the provision of payment of wages Act 1936 and minimum wages Act 1948. The Bank reserves the right to pay the minimum wages to worker by deducting appropriate amount from liability to contractor, in case minimum wages are not paid.

12. Disputes Resolution:

All disputes arising under this agreement shall be settled amicably through discussions between the parties. In case of any unsettled disputes, the same shall be referred to the Arbitrator appointed by the Principal / Officer-in-Charge, Reserve Bank Staff College, Chennai - 600 018 and the provisions of the Arbitration and Conciliation Act, 1996 shall be applicable to such proceedings and the decision of the Arbitrator shall be final and binding on both the parties. The Contractor has no objection to any such appointment to the effect that the Arbitrator so appointed is the College's own Officer or that he was a part to the Contract or that he had to deal with matters which relate to this arrangement or that in the course of this duties as such Officer he had expressed views on all or any of the matters in dispute or difference. The award of the Arbitrator so appointed shall be final and binding.

13. Indemnity Clause:

- i. The Contractor shall keep the College indemnified against all claims whatsoever in respect of the employees deployed by him / her. In case, any employee of the Contractor so deployed enters in dispute of any nature whatsoever, it will be the primary responsibility of the Contractor to settle / contest the same. In case, the Reserve Bank Staff College, Chennai is made party and is supposed to contest the case, the College will be reimbursed the actual expenses incurred towards Counsel fee and other expenses, which shall be paid in advance by the Contractor to the College on demand. Further, the Contractor shall ensure that no financial or any other liability comes on the College in this respect of any nature whatsoever and shall keep the Reserve Bank Staff College, Chennai indemnified in this respect. The Contractor shall indemnify and keep indemnified, defend and hold good the College, its Directors, its officers, employees and agents against any loss, damage or claims arising out of any violations of applicable laws, regulations, guidelines during the Contract period and for the breach committed by the Contractor or their services personnel on account of misconduct, omission and negligence by the Contractor or his service personnel.
- ii. The Contractor shall further keep the College indemnified against any loss to the property and assets of the College. The College shall have further right to adjust and / or deduct any of the amounts as aforesaid from the payments due to the Contractor under this contract.

14. Non-Disclosure Clause:

- i. The Contractor shall not disclose directly or indirectly any information, materials and details of the Bank's infrastructure / systems / equipment, etc., which may come to the possession or knowledge of the Contractor during the course of discharging his / her contractual obligations in connection with this agreement, to any third party and shall at all times hold the same in strictest confidence. The Contractor shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with the applicable laws. The Contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The Contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of Contract on the part of the Contractor and the Employer shall be entitled to claim damages and pursue legal remedies.
- ii. The Contractor shall take all appropriate action with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied. The Contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.

15. Prevention of Sexual Harassment of Women at Work place:

- i. The Contractor / Agency shall be solely responsible for full compliance with the provisions of the "Sexual Harassment of Women at work place (Prevention, Prohibition and Redressal) Act, 2013". In case of any complaint of sexual harassment against its employee/s within the premises of the Bank / College, the complaint will be filed before the Internal Complaints Committee constituted by the Contractor / Agency and the Contractor / Agency shall ensure appropriate action under the said Act in respect of the complaint.
- ii. Any complaint of sexual harassment from any aggrieved employee of the Contractor against any employee of the Bank or any employee of any other firm working in the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.
- iii. The Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employee/s of the Contractor, for instance, any monetary relief to the Bank's employee or other firm's employee, if sexual violence by the employee of the Contractor is proved.
- iv. The Contractor shall be responsible for educating its employees about the prevention of sexual harassment at work place and related issues.

(If the Contractor is a Partnership or an Individual)

IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first herein above written.

(If the Contractor is a partnership or an individual)

IN WITNESS WHEREOF the Employer has set its hands to these presents through its duly authorized official and the Contractor has caused its common seal to be affixed hereunto and the said two duplicates has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first herein above written.

Signature Clause

SIGNED AND DELIVERED by the **Reserve Bank of India** by the hand
of Shri

(Name and designation)

.....

..... in the presence of

(1)

Address

(2)

Address

.....

.....

.....

Witnesses

(If the part is a partnership firm or any individual should be signed by all or on behalf of all the partners.)

SIGNED AND DELIVERED BY

Shri.....in
the presence of

1).....
Address

.....

2).....
Address

.....

Witnesses

**(If the Contractor signs under its
common Seal the signature clause
should tally with their sealing clause
in the Articles of Associations.)**

THE COMMON SEAL OF
Was hereunto affixed pursuant to the
resolutions passed
By its Board of Directors at the meeting
held on

.....

.....

.....

In the presence of

(1)

.....

(2)

.....

Directors who have signed these
presents in taken thereof in the presence
of

(1)

(2)

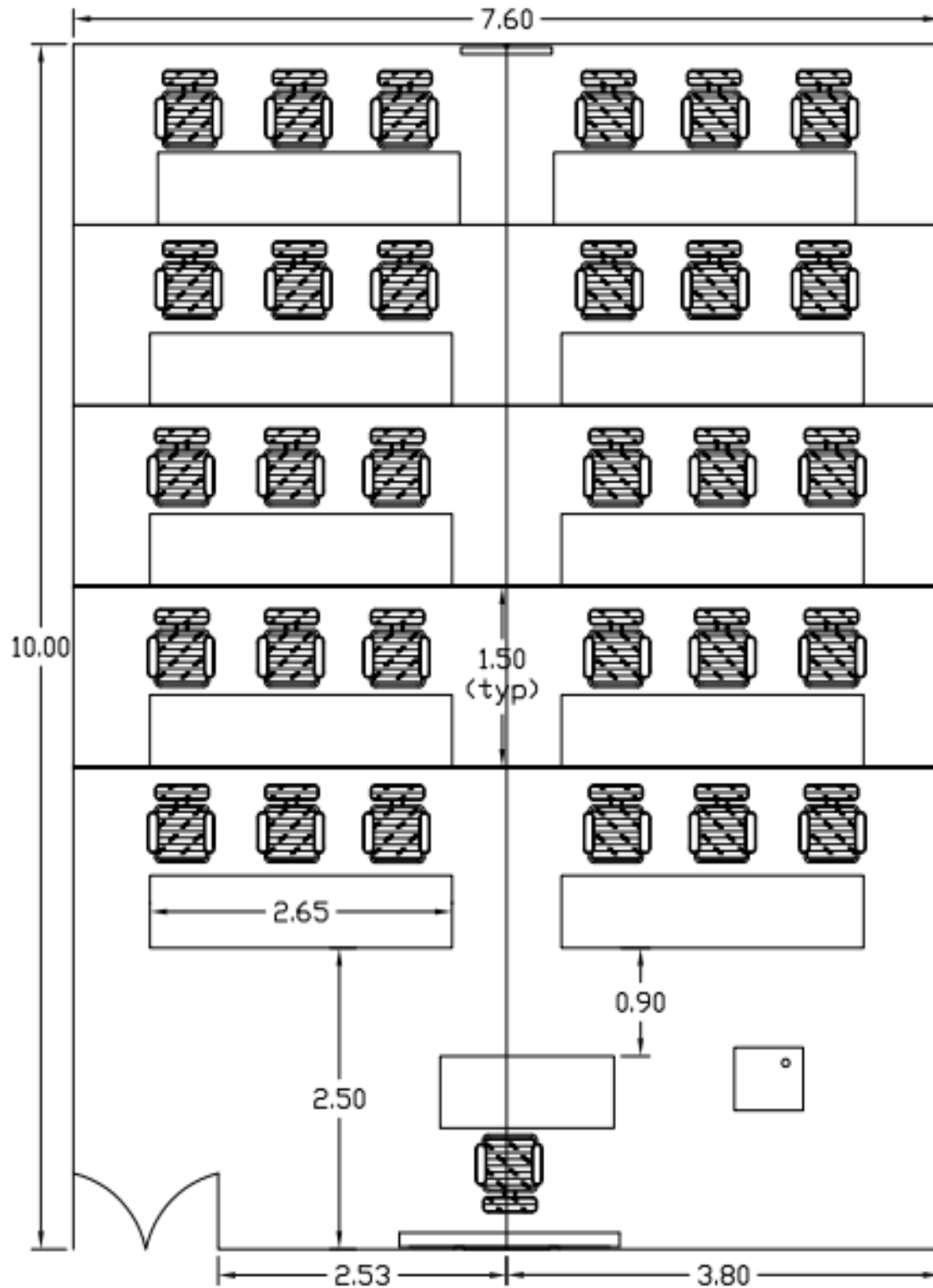
SIGNED AND DELIVERED BY the
Contractor by the hand Of

Shri
and duly constituted attorney.

**(The Contractor is signing by the hand of
power of attorney whether a company or
individual)**

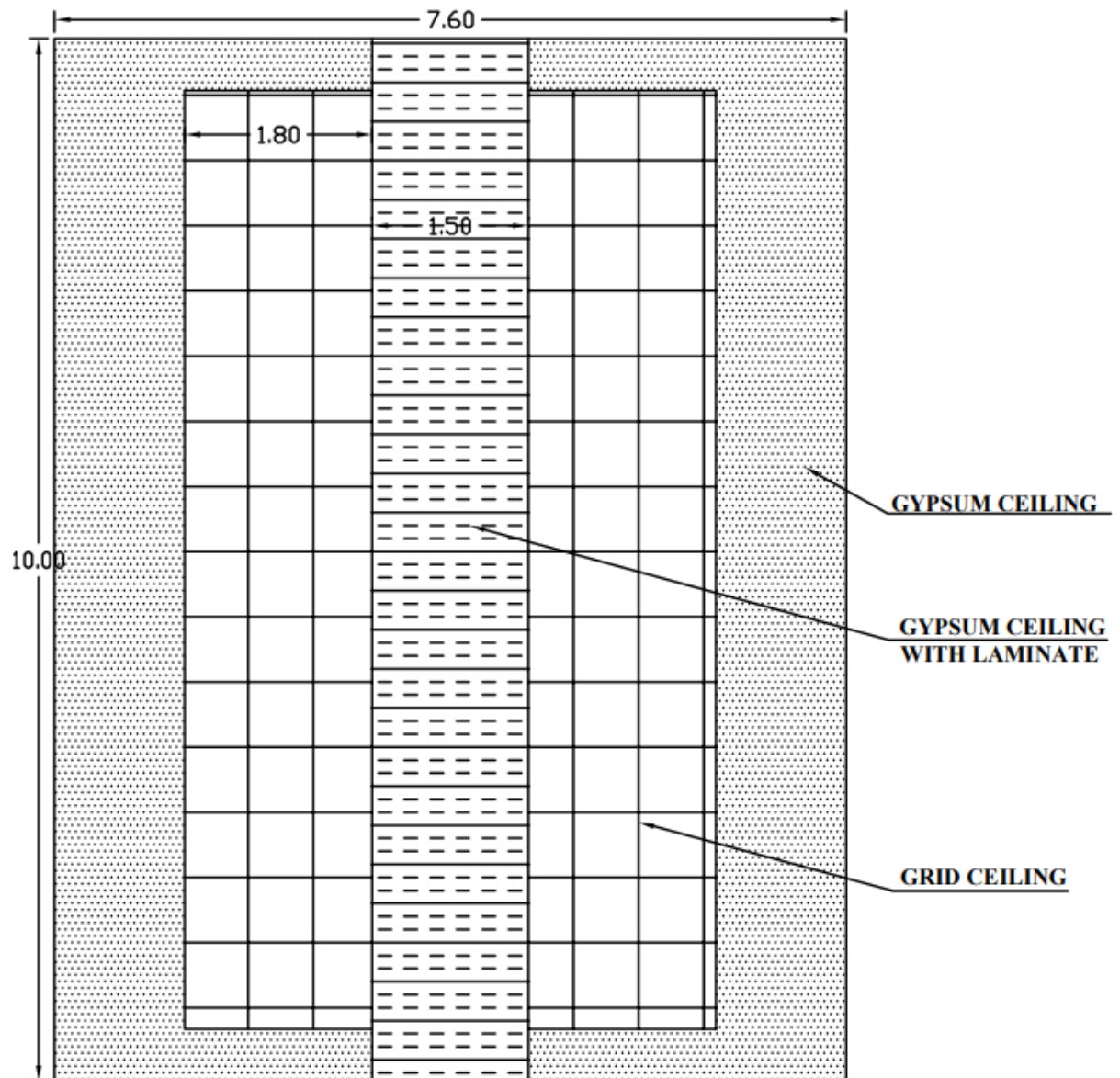
Annexure-III
Typical Renovation classroom drawings

Drawing -01- Room layout



*All dimensions are in Meter

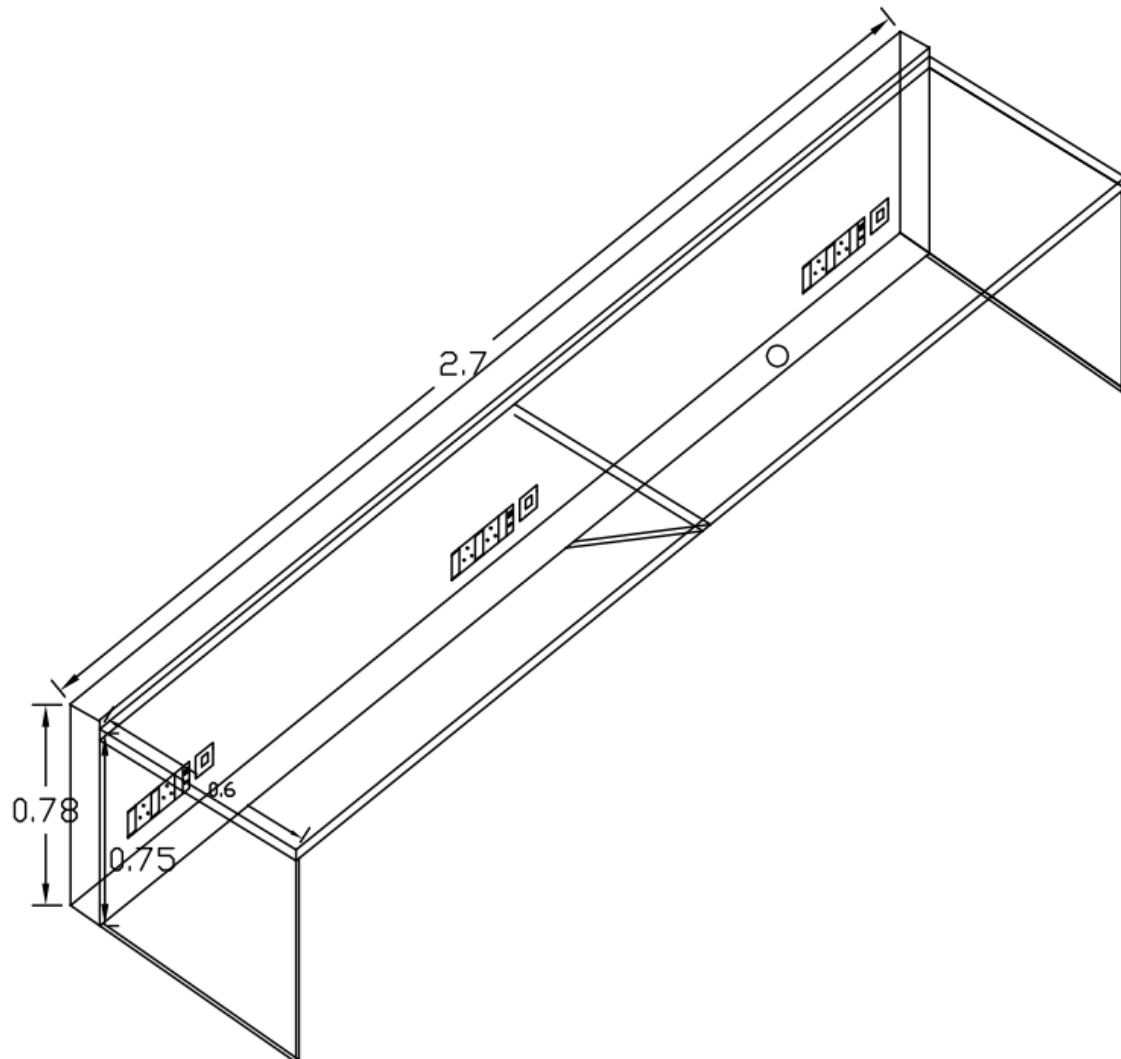
FALSE CEILING DETAILS



**NOTE: NECESSARY CUTOUTS FOR
AC's, LIGHTS, FIRE ALARM, SPEAKER, ETC**

ALL DIMENSIONS ARE IN METRE

TABLE DESIGN



ALL DIMENSIONS ARE IN METRE



**RESERVE BANK STAFF COLLEGE
ESTATE CELL, CHENNAI**

E-Tender No. RBI / RBSC / Estate / 4 / 2026-27 / ET / 223

for

**Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College,
Chennai**

Part II (PRICE – BID)



Reserve Bank Staff College Estate Cell / Chennai

Price-Bid for Electrical Renovation of Lab-01 (Arabian Sea) at Reserve Bank Staff College, Chennai

Part II (Format)

All works mentioned in the BOQ should be quoted as per the corresponding technical specification

SI No	Description of work	Qty	Unit	Rate (Rs)	Amount (Rs.)
1.	Carefully disconnecting & dismantling / removing the Lab-01 – Arabian Sea existing electric light fittings, UPS & power & lighting DBs, circuit wirings (belongs to lights / switch boards / UPS / Raw power / AC units / TVs / computers / Network / Audio video (AV) systems / Amplifiers / public address (PA) system, speakers etc.), Distribution Board MCB's & its cable / circuit wirings, LAN / Network cables, wires / cables of Public address (PA) / podium system / water purifier / wall clocks, etc. Similarly, carefully disconnecting & dismantling of light sensors, TV sets, old electric conduits / casing capping / flexibles, switch & sockets, various sized switch boards provided on wall / tables, All kind of light fixtures, any electrical fittings & light wirings, secondary UPS & raw power circuit wirings, all plug points, incomer / outgoing cables of all DB's, cassette ACs, any switch boards, etc. keeping all the above dismantled items in good condition and under safe custody of the contractor in the Bank Engineer indicated location. Work includes that after renovation of Lab-01 – Arabian room , again refixing of the above stored electric equipments like TV sets, amplifiers, water purifiers, PA & podium speakers / wall clocks, light sensors with required contactors, etc., including the relaying of its cables / wires, connections, etc., (Including wirings, drilling / mounting on wall, fixing on walls, false / true ceilings, etc.) using new suitable sized rigid PVC conduits / corrugated flexible PVC pipes / casing & capping with clamps, connectors, etc., as per architect drawings and as directed by the Bank's Engineer.	1	Job		

2.	SITC of single phase UPS Distribution Board (UPSDB): Supply, Installation, Testing and Commissioning (SITC) of 18 way double door, factory fabricated, powder coated, metal body, horizontal type, single phase (SPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected / new incomer cables with clamps and taking away individual outgoing circuits, internal wirings, earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional 1 inch rigid MMS empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be minimum 10kA short circuit current capacity and C curve type. Incomer: 32 Amps Double pole MCB - 1 no. Outgoing : (a) 10 Amps Single Pole MCB – 14 nos. (b) 16Amps Single pole MCB - 2 nos. Work includes proper marking of incoming and outgoing circuits with stickers including cable tagging, etc. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.	1	Job		
3.	SITC of Three phase power distribution board (Raw power-PDB): Supply, Installation, Testing and Commissioning (SITC) of six way double door, factory fabricated, powder coated, metal body, vertical type, three phase (TPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected incomer cables with	1	Job		

	clamps and taking away individual outgoing circuits, internal wirings, earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional one inch rigid MMS rigid empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be 10kA short circuit current capacity and C curve type. Incomer: 63 Amps TPN MCB (4 pole) - 1 No. Outgoing: (a) 10/16 Amps Single pole MCB - 13 nos. (b) 25 Amps Single pole MCB - 2nos. (c) 25 Amps Three pole MCB - 1 nos. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.				
4.	SITC of single phase Lighting Distribution Board (LDB): supply, Installation, testing and commissioning (SITC) of 16 way double door, factory fabricated, powder coated, metal body, horizontal type, single phase (SPN) electrical distribution board (DB) of approved make with the following as incomer and outgoing MCBs. Works includes wall cutting, chasing, concealing the DB's and taking away all circuit wirings by providing necessary DB knockouts along with required no. of suitable sized, rigid MMS PVC conduits in concealed fashion along with required bends, couplers, connectors & clamps, etc., and refinish the same to match with original wall surface. Work includes re-terminating the disconnected incomer cables with clamps and taking away individual outgoing circuits, internal wirings, earth terminations, etc., in a balanced manner. Work also includes providing incomer / outgoing cable and wire terminations using proper sized brass glands, copper lugs, etc., providing required no. of dummies, etc. Work includes providing suitable sized, closed type PVC / MS boxes (if required / directed) for keeping extra cable / wires and taking away incoming and outgoing circuit wirings, also providing minimum 2 no. of spare / additional 1 inch rigid MMS rigid empty PVC pipes above / below upto false ceilings / flooring respectively in a concealed manner for future use. All the provided below MCBs shall have to be 10kA short circuit current capacity and C curve type. Incomer: 32 Amps Double pole MCB- 1 No.	1	Job		

	Outgoing :10 Amps Single Pole MCB – 14 Nos.; Work includes proper marking of incoming and outgoing circuits with stickers including cable tagging, etc. This entire work to be executed as directed by the Bank's Engineer & in coordination with civil engineer and as per architect drawings.				
	Power cables				
5.	Power Cable: Supply and Laying of 4 core 25 sq.mm Aluminium conductor based armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From Main panels located at ground floor to Power DBs located at First floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	25	Meter		
6.	UPS cable: Supply and Laying of 3 core 6 sq.mm copper conductor armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From 20kVA UPSDB located at first floor to UPSDB located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	25	Meter		
7.	AC cable: Supply and Laying of 4 core 2.5 sq.mm copper conductor armoured cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From PDB located at first floor to outdoor AC unit controls located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings / walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.	15	Meter		
8.	Lighting Cable: Supply and Laying of 3 core 4 sq.mm copper conductor armoured (Al.) cable, XLPE insulated, FRLS outer sheathed cable, work including termination using accessories such as SS glands, lugs, earth clip, etc. (From Raw power PDB located	45	Meter		

	at first floor to lighting DB's / AC outdoor units control switches located at same floor). Cost of associated civil works such as laying partially in concealed fashion in walls and partially by laying in ceilings/ walls using G.I. special clamps, screws for holding cable etc. work includes cutting / making holes / ways in ceiling / walls and refinish to original surface also to be included and work to be carried out as directed by Bank Engineer.				
9.	Supply and laying of 2 runs of 8 SWG copper solid conductors from nearest earth bars / source electric panels to above supplied power distribution boards.	50	Meter		
10	Telephone wiring: Supply and laying of two pair 0.5mm. dia. copper conductor PVC insulated telephone wire from the nearest input krone box routed/drawn with suitable sized rigid, medium duty PVC conduit with required accessories like bends, couplers, junction & inspection boxes etc. in partially concealed/ casing & capping / corrugated flexible PVC etc (From nearest krone upto the telephone outlet box near podium), work includes wire termination works / connections etc. The quoted rate shall also include wire end connections, all accessories/ hardware like connectors, nut bolts etc and as per site requirement and as directed by Bank Engineer & as per architect drawings.	40	Meter		
11	Speaker wiring: Supply and laying of speaker wiring of 2 core x 1.5 sq.mm copper conductor PVC insulated flexible wires from the nearest input Public address speaker (outside of the hall) / inside audio equipment / Amplifier device routed /drawn in suitable sized rigid, medium duty PVC conduit with required accessories like bends, couplers, junction & inspection boxes etc. in partially concealed/ casing & capping / corrugated flexible PVC etc The quoted rate shall also include wire end connections, all accessories/ hardware like connectors, nut bolts etc and as per site requirement and as directed by Bank Engineer & as per architect drawings. These wiring for usage and to be connected with existing Public address system & amplifier system / video conference systems etc.	70	Meter		
12	Cable Raceways: Supply and fixing of pre galvanized G.I. based three compartment type inner folded type cables / wire raceway of sizes of 300mm width, 30mm depth, 1.5mm thickness on the flooring with full length GI top coverings, proper flooring supports, accessories etc. Necessary accessories such as bends, tees, cut provision for junction boxes, wire / cable routings at required places etc. shall be provided and also necessary floor cutting and plastering to original finish all	40	Meter		

	required to complete the work as per site condition and as directed by Bank engineer.				
13	SS based Junction Boxes: supply and fixing of 300mmx300mmx25mm (LxBxD) sized 1.6mm thick SS make, four way open /required way open type junction boxes to be fixed inline the above GI raceways and on the raised wooden floors/ false flooring / on the original flooring etc. supply includes suitable square base plate to hold the top lid, lid shall have necessary holes/ provision to take out the lid separate from the junction boxes, mouths of the junction boxes shall be compatible with above GI raceways, the Junction boxes lids are latchable, necessary knockouts to be provided to route the power and networking cables etc. The provision and location of the junction boxes shall be as approved and directed by Bank engineers and IT engineers and as per architect drawings.	15	No.s		
14	Supply and Installation of min. 25mm diameter rigid PVC conduits (ISI marked) with MMS grade to be laid in concealed manner on wall / partitions/ below floor/ below & above of false floor & false ceiling respectively for IT / CAT06 cables of computers/ network switches /Audio video systems / PA / TV / WIFI wires etc as indicated in drawings, further in coordination with IT engineer of the college and as directed by Bank engineer. works incl. suitable sized PVC couplers, joints, bends, junction boxes etc and same has to be regularly supported by clip, clamps, supports, nut bolts, etc, works have to be carried out as directed by Bank Engineer & in coordination with IT engineer.	30	Meter		
15	Supply and Installation of min. 32mm diameter rigid PVC conduits (ISI marked) with MMS grade to be laid in concealed manner on wall / partitions/ below floor/ below & above of false floor & false ceiling respectively for IT / CAT6 cables of computer/ network switches /Audio video systems / PA / TV / WIFI wires etc as indicated in drawings, further in coordination with IT engineer of the college and as directed by Bank engineer. works incl. suitable sized PVC couplers, joints, bends, junction boxes etc and same has to be regularly supported by clip, clamps, supports, nut bolts, etc, works have to be carried out as directed by Bank Engineer & in coordination with IT engineer.	50	M		

16	Circuit Wiring / Sub Circuit Wirings using 3 x 2.5 sq. mm. 1100 Volt grade multi-stranded copper conductor PVC insulated FRLS wires, partly surface/concealed in suitable size rigid, medium duty PVC conduit and wherever pipe is not possible using casing & capping, corrugated pipes with required accessories like bends, tees, junction boxes, joints etc (concealed in wall/floors and surface on ceiling) as per the technical specification (From UPS / Raw power distribution board to table switchboards, TVs, podium, other switchboards etc), works have to be carried out as directed by Bank Engineer.	600	M		
	Primary point wirings				
17	MCB / Switch controlled primary light circuits: Supply and laying of switch /MCB controlled primary light circuit wirings drawn from Lighting switch board / UPS switch boards upto respective light fittings (such as 2' x 2' square lights, 18W round fittings, decorative light fittings, board lights etc.) using 2 runs of 1.5 sq.mm (Phase - Red / Blue / Yellow colours respectively, Neutral - Black) and 1 run of 1.5 sq.mm (Earth - Green colour) multi stranded FRLS PVC insulated copper wires drawn through minimum 25mm / suitable sized MMS rigid PVC (ISI marked) conduits concealed in walls by chase cutting / above false ceiling / through partition and refinish the same to original surface using touchup plastering, etc., Wherever concealing is not possible casing & capping / G.I. flexible conduits have to be provided. Works includes providing all necessary hardware and accessories like clamps, bends, couplers, Junction boxes, screws, clippings, ceiling rose, PVC boxes, connectors, clamps of approved make, etc., to complete the same in all aspects and as directed by the Bank's Engineer & as per architect drawings. Note: 1) Average point wiring length = 6 Mtrs 2) A point shall include all the works necessary (drilling / cutting/ holing etc and refinish to original) in complete wiring to the light/ fan / Call bell from the controlling switch. 3) The rate shall be quoted only for point wiring without main circuit wiring.	16	No.s		
	Secondary looped circuits:				
18	Supply and laying of secondary light circuit wirings from above primary light points upto the respective secondary light fittings (such as 2' x 2' square lights, 18W round fittings, decorative & board light fittings etc) / looping of one secondary light fittings to another etc., using 3 runs of 1.5 sq.mm (Phase – Red /	40	No.s		

	Yellow / Blue, Neutral - Black and Earth - Green colours respectively) FRLS PVC insulated, multi stranded copper wires drawn through minimum 25 mm / suitable sized MMS type rigid PVC conduits (ISI marked) concealed in wall by chase cutting / above false ceilings / through partition, etc., and refinish the same to original surface using touchup plastering, etc., Wherever concealing is not possible casing capping / GI flexible conduits have to be provided. Work includes providing all accessories like clamps, bends, couplers, Junction & inspection boxes, screws, clippings, ceiling rose, pvc boxes, connectors of approved make and to complete the same in all aspects and as directed by the Bank's Engineer & as per drawings. Note: 1) Average point wiring length= 5.5 Mtrs 2) this point wirings shall include all the works necessary (drilling / cutting/ holing etc and refinish to original) in complete wiring from primary lights controlled switch upto the secondary lights / looping circuits etc. 3) The rate shall be quoted only for secondary point wiring without main circuit / primary circuit wirings.				
19	Supply and installation of UPS/ RAW / IT / Telephone switchboards using modular type housed in single manufacture zinc passivated suitable sized, Bank approved make and model concealed type / surface type single manufacture MS/ PVC back boxes , MS / PVC based back / gang box with front and back cover plates to form various sized switch board (2/3/4/6/8/12 Modules) for usage of Tables / workstation / water coolers / podium / TV/ wall fan/ Telephone/ Audio video / IT / computer equipments. The switch boxes to be fixed either in wall or partition or work station in a concealed to match with original finish / surface mounted fashion as directed, work includes providing necessary dummies/ covers etc. Circuit wiring of above sr.no.16 to be used along with internal wirings and all hardware & accessories, above works are to be done as directed by Bank engineer and as per architect drawings.				
	Concealed type switchboards				
20	Supply and fixing of Bank approved make and model concealed type 12 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	2	No.s		
21	Supply and fixing of Bank approved make and model concealed type 6 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	4	No.s		
22	Supply and fixing of Bank approved make and model concealed type 4 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	2	No.s		

23	Supply and fixing of Bank approved make and model concealed type 3 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	10	No.s		
24	Supply and fixing of Bank approved make and model concealed type 2 Module GI metal back box , Frame, Modular back and front switch plates, accessories etc.	6	No.s		
	Surface type switchboard items				
25	Supply and fixing of Bank approved make and model surface type 12 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	2	No.s		
26	Supply and fixing of Bank approved make and model surface type 6 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	32	No.s		
27	Supply and fixing of Bank approved make and model surface type 3 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	30	No.s		
28	Supply and fixing of Bank approved make and model surface type 2 Module PVC box , Frame, Modular back and front switch plates, accessories etc.	34	No.s		
29	Supply and fixing of Bank approved make and model 6Amps modular switch in the above supplied modular switch boxes, accessories etc.	85	No.s		
30	Supply and fixing of Bank approved make and model 6Amps modular socket (3/5 pin) in the above supplied modular switch boxes, accessories etc.	80	No.s		
31	Supply and fixing of Bank approved make and model 16Amps modular switch with neon indicator in the above supplied modular switch boxes, accessories etc.	45	No.s		
32	Supply and fixing of Bank approved make and model 6/16Amps modular socket in the above supplied modular switch boxes, accessories etc.	45	No.s		
33	Supply and fixing of Bank approved make and model DATA I/O port/s (RJ 45 socket with shutter), work includes providing necessary hardware, accessories to complete the same etc.	42	No.s		
34	Supply and fixing of Bank approved make and model telephone I/O port/s (RJ 11 socket with shutter), work includes providing necessary hardware, accessories to complete the same etc.	1	No.s		
	IT Data cable removal and relaying works				
35	Removal and relaying of existing CAT-6 and other network related cables, network related items and IT based outlet boxes in coordination with IT engineer of the Bank and as directed by Bank engineer.	1	Job		
	Supply, Installation, Testing and commissioning of following light fittings Inc. Hardware items, ceiling rose, square box, light holders, GI flexible conduits, wire connectors, light driver & its connections, required hylum sheet / acrylic sheet etc as per the architect drawings and other accessories as required items for installation below the false ceiling/ Side walls/ POP incl. POP cuttings & refinish to original surface, touch up painting etc (Quantities are indicative, execution should be strictly be based on site conditions and as directed by Bank engineer).				

36	2 feet x 2 feet LED ceiling type light fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, Aluminium construction, minimum 36W LED based, minimum 100 Lumen per watt, (>80) CRI, concealed recessed square lights (600x600mm) suitable for fixing POP /gypsum /grid type false ceilings, support to be provided by using hanging chains / suitable & minimum 1no. x 6mm threaded rods from the true ceiling using anchor, fasteners, hooks, nut and bolts etc and as directed by Bank's Engineer.	12	No.s		
37	LED Down Light Fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, minimum 15W round LED Down lights, minimum 100 Lumen per watt, LED Down light fittings recess mounting, Aluminium construction body with Dog-ears for easy Blind Mount Installations /ceiling mounted with 2 spring clamps, concealed type complete set with approved make based on latest technology& reliable heat management, after carefully cutting the false ceiling / POP of required size and fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	10	No.s		
38	Supply, Installation, Testing & Commissioning (SITC) of Bank approved make and model company fabricated, minimum 5W round LED Down lights, minimum 100 Lumen per watt, LED Down light fittings recess mounting, with Dog-ears for easy Blind Mount Installations /ceiling mounted with 2 spring clamps, concealed type complete set with approved make based on latest technology & reliable heat management, after carefully cutting the false ceiling / POP of required size and fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	20	No.s		
39	Board light Fittings: Supply, Installation, Testing & Commissioning (SITC) of Bank approved make with minimum 10W LED board head / decorative light fittings wall mounted, with surface type complete set with approved make based on latest technology & reliable heat management, after carefully fixing the light fittings using clips / clamps and refinish to the original surface. The above rate shall also include wire end connections, all accessories/ hardware etc and as per site requirement and as directed by Bank Engineer.	2	No.s		

40	Supply, Installation, Testing & Commissioning (SITC) of suitable minimum 6W recess mounted / ceiling type based speakers, flush mounting with dog-ears for easy Blind Mount Installations / ceiling mounted with 2 spring clamps with excellent sound reproduction quality, work includes terminations of sl.no. flexible wires with speakers and existing public address system & amplifier system / video conference systems etc.	8	No.s		
41	Supply and fixing of new IP-55 based, suitable sized weather proof, outdoor type PVC made flush type box consists of incoming and outgoing knockouts along with 20A double pole MCB-1 no.s for control of the Outdoor AC units. Works also include cable terminations using suitable size glands & lugs, internal wirings, all hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings	2	No.s		
42	Supply and fixing of new IP-55 based, suitable sized weather proof, outdoor type PVC made flush type box consists of incoming and outgoing knockouts along with 20A four pole MCB-1 no. for control of the Outdoor AC units. Works also include Works also include cable terminations using suitable size glands & lugs, internal wirings, all hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings	1	No.		
43	Light motion sensor with controls: Supply and fixing of new light controlling motion & thermal sensor (6A) with timer controls to be fixed in recessed / ceiling of POP/false ceiling etc and also providing PVC made flush type box consists of incoming and outgoing knockouts along with 16A three pole contactor-1 no.s for control of the above sensor unit. Works also include using sl.no.16 wirings & terminations using suitable sized lugs, glands, all other hardware and accessories like clamps, nutbolts, anchor fasteners etc of approved make and to complete the above works in all aspects and as directed by Bank engineer and as per architect drawings	2	No.s		
	CGST				
	SGST				
	Total Amount (Rupees) (A)				
44	Buy back amount for removed Old D.B's, Cables, Wires, Old switch & sockets with back boxes, Old light fittings, Conduits, clocks, other damaged items after the work. The rate includes their careful removal at the contractor's cost of DB's, old wires, cables,	1	Job		

	switch, sockets, ceiling & wall lights, distribution boards (Power, Lighting & UPS) etc. The useful items such as light sensors, telephone instrument, PA & Audio systems to be returned to Bank (B)				
--	--	--	--	--	--

Evaluation shall be based on the Net amount (C) = Total Amount (A) – Buyback amount (B)