# STATE BANK OF INDIA

## THIRUVANANTHAPURAM CIRCLE

## TENDER NOTICE

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| NIT No. | | **THI/AOERN/RBO5/2026-10/01** |
| TYPE OF TENDER | | ITEM RATE CONTRACT |
| BIDDING SYSTEM | | TWO BID SYSTEM |
| WEBSITE FOR DOWNLOADING TENDER DOCUMENTS | | https://sbi.bank.in under the link "SBI in the News" → "Procurement News" |
| WEBSITE FOR ONLINE SUBMISSION OF PRICE BID | | https://etender.sbi |
| METHOD OF SUBMISSION | TECHNICAL BID AND EMD | OFFLINE/ PHYSICAL FORM |
| | PRICE BID | ONLINE |
| NAME OF WORK: | | **ELECTRICAL WORKS OF SBI POTTENKAD BRANCH, IDUKKI (Dist)** |
| LOCATION: | | IDUKKI (Dist) |
| ESTIMATED VALUE OF WORK | | **₹16.91** Lakh Plus GST as applicable |
| ERNEST MONEY DEPOSIT | | **₹17,000/-** in the form of DD in favour of 'STATE BANK OF INDIA' payable at THODUPUZHA |
| AVAILABILITY IN WEBSITE | | From **06.10.2026 to 13.10.2026** |
| LAST DATE & TIME FOR SUBMISSION OF TECHNICAL BID,EMD | | UPTO **03.00 PM** (IST) ON **13.10.2026**<br>The documents submitted along with Technical Bid should NOT contain any price information. Such Bid, if received, will be rejected without any notice |

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| LAST DATE & TIME FOR SUBMISSION OF PRICE BID | ONLINE PRICE BID- Submission schedule and bid opening will be intimated to qualified tenderers through Banks approved e-tendering agency. Bidders should constantly check their emails for intimation. |
| ADDRESS FOR SUBMISSION OF TENDERS (TECHNICAL BID& OTHER DOCUMENTS | THE REGIONAL MANAGER,<br>STATE BANK OF INDIA<br>REGIONAL BUSINESS OFFICE 5 ,<br>MANGATTUKAVALA,<br>THODUPUZHA - 685 585<br>email: rm5tdp.aoern@sbi.co.in<br>Ph. 8330013887 (Dy. Manager) |
| OPENING OF TECHNICAL BID | **03:30 PM** (IST) **ON 13.10.2026** |
| ONLINE SUBMISSION OF PRICE BIDS | Submission schedule and bid opening will be intimated to qualified tenderers through Banks approved e-tendering agency. |
| ONLINE OPENING OF PRICE BIDS | Submission schedule and bid opening will be intimated to qualified tenderers through Banks approved e-tendering agency. |
| COMMENCEMENT OF WORK | WITHIN 7 DAYS FROM THE DATE OF ALLOTMENT OR AS SPECIFIED IN TENDER DOCUMENT |
| COMPLETION OF WORK | 60 DAYS FROM THE DATE OF COMMENCEMENT |
| ERNEST MONEY DEPOSIT | As per Prevailing rules of Government of India |
| MINIMUM VALUE OF WORK DONE FOR INTERIM PAYMENT | 6.00 Lac + GST |
| RBO CONCERNED | RBO-5 |
| LOCATION OF RBO | THODUPUZHA |
| For any clarification please contact on working days 10AM -5PM) | DY. MANAGER (ELECTRICAL ENGG.) - 9513744727 |

THE REGIONAL MANAGER,
STATE BANK OF INDIA
REGIONAL BUSINESS OFFICE 5 ,
MANGATTUKAVALA,
THODUPUZHA - 685 585

NOTICE INVITING TENDER

Tenders are invited (Short tender) as stated in the Tender Notice from the Empanelled Electrical Contractors fulfilling the eligibility criteria for execution of work - "Name and Location" as stated in the Tender notice.

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| 1 | Estimated cost of Work | As stated in Tender Notice |
| 2 | Completion Time | As stated in Tender Notice |
| 3 | Commencement of work | As stated in Tender Notice |
| 4 | Eligibility of the Bidder | Electrical Contractors empanelled with "State Bank of India, Thiruvananthapuram Circle" for works costing equal to or more than the estimated value of work.<br>Copy of Valid Electrical Contractor License issued by Kerala State Electricity licensing Board to be submitted along with the Technical Bid (The page showing validity of supervisor also to be attached) .Without valid contract license their Technical bid will not be consider for further process. (contractor should produce original license if Bank's official asked to do so during the technical bid evaluation)<br>Submission of EMD<br>Other Eligibility Criteria, if any, specified. |
| 5 | Earnest Money Deposit (EMD)<br>(to be submitted physically along with the technical bid, before due date) | As stated in Tender Notice in the form of DD in favor of 'State Bank of India' payable at the concerned RBO. Tenders without EMD shall be rejected. |
| 6 | Address for submission of Technical Bid, EMD and other documents | As stated in Tender Notice. |
| 7 | Tender documents available for download from the websites | As stated in Tender Notice |
| 8 | Last date and time for submission of Technical Bid ,EMD and other document in physical form. | As stated in Tender Notice |
| 9 | Date and Time of opening of Tenders (Technical & Price bids) | As Stated in Tender Notice |
| 10 | The tender will be summarily rejected if the Bidder | Failed to submit Technical Bid, EMD copy of Valid Electrical Contractor License as stated at the respective RBO on or before due date & Time.<br>Partly or fully Modifies, alters or corrects the tender document uploaded by SBI.<br>EMD for required amount |
| 11 | Validity of tender | 90 days from the last date for submission of Tenders (PRICE BID). |

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| 12 | Rates quoted by bidder | The quoted rate should be inclusive of cost of materials, transport, loading, unloading, cost of installation, wastage, machinery, temporary works such as scaffolding, cleaning, overheads, contractor's profit, statutory expenses, incidental charges, all related expenses required for the proper completion of the work and all taxes as applicable excluding GST.<br><br>Additional claims other than the quoted amount will not be entertained.<br><br>The rates quoted shall be firm from the date of opening till the completion of the project despite any variation in rates of materials, labour, taxes etc. |
| 13 | Additional information for bidding | The make of materials should be chosen strictly from the preferred makes as given in the tender.<br><br>Any clarifications sought after opening of the tenders will not be entertained at any cost. Firm should visit the website regularly till last date for submission of tender regarding changes/ corrigendum, if any<br><br>SBI reserves the right to cancel or postpone the tenders at any stage without assigning any reason.<br><br>Claims for revision of the quoted price by any bidder after submission of tender will not be entertained.<br><br>The contractor should arrange liaisoning work with Government authorities especially department of Electrical inspectorate with their own license, outsourcing will not be permitted at any situation |
| 14 | Initial Security Deposit (ISD) | 2% of the Contract value including EMD if any to be submitted by the successful bidder after allotment of work as stated in the Tender Document. |
| 15 | Payment terms | No advance payment.<br>No part payment if value of the executed work is less than Rs 6.0 lakhs .Part payment to the contractor will released only if the contractor execute the work as per specification and Banks directions and satisfaction.<br>Full payment after completion of the work (including getting required sanction if any from electrical inspectorate) subject to deduction of taxes, retention money, cost for defect rectification if any as applicable. |
| 16 | Value of work to be taken for issue of interim certificate for payment, if any | As stated in Tender Notice |

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| 17 | Tax Deduction | Income Tax, GST-TDS, Labour Welfare Fund etc as applicable at applicable rates. Or as per prevailing government rules |
| 18 | Total Security Deposit (SD) | 5% of the contract value including Initial Security Deposit of 2% and Retention Money of 3% of the contract value. SD will be retained till the completion of the work and released as stated in this tender document. |
| 19 | Retention Money | Retention Money @ 10% of the Gross Value of each bill shall be deducted till Total Security (including ISD) is equal to 5% of contract value. |
| 20 | Liquidated Damages for delay in work | Time is the essence of the Contract. If the work is delayed beyond the scheduled completion date, then Liquidated Damages @ 0.50% of the total contract value per week (or part thereof) of delay will be deducted from the Contractor's final bill subject to maximum of 5% of the contract amount. |
| 21 | Defects Liability Period | 12 Months from the date of completion or commissioning and handover of the work. |
| 22 | For any queries or support in connection with the online tendering process, please contact our E-procurement solutions agency<br><br>NA<br>(FOR ONLINE PRICE BIDS ONLY) | M/s. e-Procurement technologies Limited,<br>B704, Wall Street 2, Ahmedabad, Gujarat - 380006.<br>Primary Contact:<br>Sri. Jayprakash<br>Ph: 9328931942 \| 9081000427<br>Mail: jayprakash@auctiontiger.net<br>Web: www.auctiontiger.net |
| 23 | For any clarification and drawings please contact | The Engineer in charge |
| SBI reserves the right to accept or reject any or all bids without assigning any reason whatsoever, even after opening of the bids. | | |

S/d

THE REGIONAL MANAGER,
STATE BANK OF INDIA
REGIONAL BUSINESS OFFICE 5 ,
MANGATTUKAVALA,
THODUPUZHA - 685 585

## B. GENERAL CONDITIONS OF CONTRACT

1.0 INTERPRETATION

In constructing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires.

In this connection, the following terms shall be interpreted as indicated below:

"The Employer/ Bank" 'means the State Bank of India (including branches and other offices) and any of its employees or representative authorized on their behalf.

"Bidder" means an eligible entity/ firm submitting the Bid.

"The Contract" means the agreement entered into between the Bank and the Contractor, as recorded in the Contract Form signed by both the parties, including all attachments, bid documents and appendices thereto, all documents incorporated by reference therein and other communications between the parties such as Work Order, Acceptance Letter etc.

"Vendor/ Contractor" is the successful Bidder to whom the work has been awarded.

"The Contract Price/ Project Cost" means the price payable to the Vendor under the Contract for the full and proper performance of its contractual obligations.

"The Material/ Product" means all the materials along with the accessories which the contractor is required to supply to the Bank under the Contract.

"The Works/ Project" shall mean the works to be executed or done under this contract.

"The Site" means locations where the proposed work is to be carried out and services as desired in this tender document are to be provided.

"The Schedule of Quantities/ BOQ" shall mean the schedule of quantities as specified and forming part of this contract.

Words importing persons include firms and corporations. Words importing the singular only, also include the plural and vice verse where the Context requires.

2.0 SCOPE OF THE WORK

The detailed scope of the work is given in the NIT/ BOQ and specification in the BOQ is final

3.0 ELIGIBILITY CRETERIA

3.1 Contractors in the respective category who are eligible as per the criteria given in NIT for carrying out works costing equal to or more than the estimated value of the works.

3.2 The vendor should have a valid digital signature to participate in the online tendering process (if applicable).

3.3 Submission of EMD before the due date and time .

Bidders should take a printout of the "Form of Submission of tender & Process Compliance Statement" in their letter head for acceptance of the terms and conditions specified in the Tender Documents (NIT, BOQ, etc) and send a scanned copy of these duly signed letters to M/s. e-Procurement technologies Limited prior to e-price bidding. (for online submission of Price Bids only).

The Technical Bid, EMD Form of Submission of tender & Process Compliance Statement applicable for online tenders, in Physical for shall be submitted in a sealed envelope superscribed on top as "TENDER FOR …… (Name of the work) : TECHNICAL BID" and addressed to the Regional Manager as stated above and dropped in the tender box kept at the office of the Regional Manager as stated above or send so as to reach the office of the Regional Manager as stated above, on or before the scheduled date and time.

The Price Bid shall be submitted online, on or before the scheduled date and time.

4.0 METHOD OF TENDERING

4.1 The bidding process shall be conducted Offline in Two Bid System on Item rate basis.

4.2 BID DOCUMENTS:- The work has to be carried out strictly according to the conditions stipulated in Bid consisting the following documents and in the most workman like manner,

- Notice Inviting Tender (NIT)

- General Conditions of Contract

-Copy of valid electrical contract license

The above documents shall be taken as complementary and mutually explanatory of one another but in case of ambiguities or discrepancies, shall take precedence in the order given below.

- General Conditions of Contract

- Notice Inviting Tender (NIT)

Complete set of Bid documents are available at the Bank's website https://sbi.co.in under "SBI in the News → procurement news" during the period mentioned in the NIT.

5.0 TENDER VALIDITY

The tenders submitted shall remain valid for acceptance for a period of 90 (Ninety) days from the last date for submission of Tender / PRICE BID. Should any tenderer withdraw his tender before the expiry of the said period or makes any modifications to his tender, their EMD will be forfeited and suitable action against the contractor will be taken.

6.0 CLARIFICATION AMENDMENTS AND CORRIGENDUM

6.1 Bidder requiring any clarification of the bidding document may notify us in writing at the address/ by e-mail given in the NIT within the date/time mentioned.

6.2. The clarifications to the queries received or amendments in the tender will be posted on the Bank's website https://sbi.co.in as a corrigendum/ Addendum. No individual communication will be conveyed to the Bidders. The interested parties/Bidders are advised to check the above website regularly till the date of submission of Bid document and ensure that clarifications / amendments issued, if any, have been taken into consideration before submitting the Bid. Such amendments/clarifications, if any, issued by the Bank will be binding on the participating Bidders. SBI will not take any responsibility for any such omissions by the Bidder. SBI, at its own discretion, may extend the deadline for submission of Bids in order to allow prospective Bidders a reasonable time to prepare the Bid taking into account the amendments.

6.3 Depending upon the site conditions and the Bank's requirements, a pre-Bid meeting, if required, will be held on the date and time specified in the tender which may be attended by the interested Bidders or their representatives and get their queries clarified.

6.4. SBI reserves the right to amend, rescind or reissue the tender, at any time prior to the deadline for submission of Bids.

6.5. No request for change in commercial/ legal terms and conditions, other than what has been mentioned in the tender or any addenda/ corrigenda or clarifications issued in connection thereto, will be entertained and queries in this regard therefore will not be entertained.

6.6. Any Queries received after the scheduled date and time will not be responded/ acted upon.

7.0 TENDER FEE

Nil.

8.0 EARNEST MONEY DEPOSIT (EMD)

8.1 The Earnest Money Deposit should be submitted physically in the form of a DD/BC as specified above. (Tenders without EMD will

be summarily rejected). Bank is not liable to pay any interest on Earnest Money Deposit. The EMD for unsuccessful tenderer shall be refunded to them without any interest after the decision to award the work is taken. The EMD of the successful tenderer shall be retained as part of Security Deposit and for the due fulfillment of the contract. If the successful tenderer refuses to take up the work/ does not start the work in time the EMD will be forfeited and the work order will be cancelled.

9.0 INITIAL SECURITY DEPOSIT (ISD)

7.1 ISD shall be 2% of the contract value. The successful tenderer has to deposit with the Bank an amount equal to 2% of the tender amount (including EMD) in the form of DD/BC (as in the case of EMD) within two weeks from the date of award of work and the same shall be kept as part of the Total Security Deposit. No interest shall be paid on the amount retained by the Bank as Security Deposit.

10.0 TOTAL SECURITY DEPOSIT (TSD/ SD):

10.1 Apart from ISD as mentioned above, Retention money shall be deducted from each bill of the contractor @ 10 % of the gross value of the bill till Total Security Deposit equals to 5% of the accepted contract value i.e TSD= ISD + Retention Money. Security deposit shall not bear any interest.

10.2 The contractor shall make good at his own cost and to the satisfaction of the Employer all defects, which may appear within the defects liability period. In case of failure on the part of tenderer to do so, it shall be got done by SBI at the risk and cost of the tenderer and the cost of rectifying the defects through any other agency shall be deducted from the amount of security deposit or any other payment/deposits due to the contractor.

10.3 During the contract period, all compensation or other sums of money payable by the Contractor to Bank under the terms of this contract, will be deducted from the security deposit, or from any sum that may become due to the Contractor on any account whatsoever.

10.4 In the event of the Security Deposit being reduced by reasons of any such deductions, the Contractor shall within 7 days of being asked to make good, by DD, any sum which have been deducted from his security deposit.

11.0 COMPLETION PERIOD

11.1 Time is the essence of the contract. The entire work shall be completed by the Contractor within the stipulated period from the date of commencement of work. The date of commencement of work at site shall be within 7 (Seven) days from the date of allotment letter or the date of handing over of the site whichever is later. The contractor should strictly adhere to the completion time schedule.

12.0 EXTENSION OF TIME

12.1 No request for extension will be entertained and the bidder has to plan and mobilize his resources for the satisfactory completion of the project within the time period agreed in the tender.

12.2 If in the opinion of the Employer, the work is delayed due to the following reasons not attributable to the contractor, the employer shall make a fair and reasonable extension of time, for completion of the Contract works

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 neighboring owners of public authorities arising, than through the Contractor's own default (or)

d) By the works not referred in the Schedule of Quantities or specifications (or)

e) By reason of civil commotion, workmen strike or lock-out (or)

f) In consequence of the Contractor not having in due time, necessary instructions from the Employer for which he shall have specifically applied in writing ahead of time, giving reasonable time to prepare such instructions

12.3 In case of such strike or lock-out, the Contractor shall as soon as possible give written notice thereof to the employer, but the Contractor shall nevertheless constantly use his endeavors to prevent delay and shall do all they may reasonably be required, to the satisfaction of the employer to proceed with the work.

12.4 In case the work is held up for any site conditions not attributable to the contractors or for any decisions instructions / want of details from Employer or for any of the conditions, the contractor shall be allowed reasonable extension of time by the employer but any claim for idle labour shall not be entertained by the employer. Contractor's quoted rates should include for all such contingencies.

13.0 LIQUIDATED DAMAGES

10.1 If the work is not completed in the specified time, the contractor will be levied liquidated damages @ ½ % per week of delay subject to a maximum of 5% of the contract amount. The tenderer must obtain for himself in his own responsibility and at his own expenses all the information necessary for the purpose of filling the tender and to enter into a contract with the Bank, he must examine the drawings, specifications, conditions etc., and must inspect the site of work and must acquaint himself with all the local conditions and matters pertaining thereto. The tenderer shall also bear all expenses in connection with the submission of this tender.

14.0 AGREEMENT

14.1 The tenderer whose tender is accepted is bound to execute a formal agreement with the Bank within 15 days from the receipt of intimation of acceptance of his Bid by SBI and this agreement will include the duly completed form of tender, specifications conditions, other papers therein, special conditions, all drawings etc., but his liability will commence from the date of the written acceptance of the tender whether the formal agreement is drawn or not. The contractor shall bear all expenses in connection with the execution of the said agreement including fees for stamps and registration of documents as required.

RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

15.1 SBI does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all the tenders received without assigning of reasons thereof. Further, the SBI reserves the right to award any portion of the work to different tenderers or to award the entire work to one tenderer. SBI reserve the right to cancel the Bidding process and reject all Bids at any time prior to award of the contract, without incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the SBI's action.

15.2 The acceptance of a tender rests with the Competent Authority, who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received, without assigning any reasons. All tenders in which any of the prescribed conditions are not fulfilled, or are incomplete in any respect are liable to be rejected.

15.3 The notification of award will constitute the formation of the Contract. The selected Bidder should convey acceptance of the award of contract by returning duly signed and stamped duplicate copy of the PO within 15 days from the date of issue of work order and to enter into an agreement with the Bank.

The compensation or other sums of money payable by the contractor to the Bank under the terms of contract may be deducted from his EMD/ SD if the amount so permits and the contractor shall unless such deposits become otherwise payable within ten days, after such deductions, make good in cash the amount so deducted.

16.1 The work shall be carried out under the directions and supervision of and subject to the approval in all respects by the Bank's Engineer.

16.2 In case of renovation of branches - The work has to be done inside a functioning office. The contractor shall carryout work without causing inconvenience to the officials working in the premises and must remove the day to day debris from the site. Necessary site

protection works and safety precautions shall be arranged by the contractor at his own cost before commencement of the work. No separate payment shall be made for dismantling and re-arrangement of existing counters, partitions etc. for temporary functioning of the branch.

BID PREPARATION:

17.1 The Bidder is advised to inspect the site and satisfy himself on his own responsibility and his own expenses all the following information and data which may be required for the purpose of preparation and submission of their bids:

i) Security gate pass requirements

ii) Storage space for the materials

iii) Permissible working hours at the site

iv) any other adverse conditions or hindrance for executing the work

v) traffic regulations, law &order situations in the area

vi) Whether work has to be executed in coordination with other agencies like Furnishing, AC, Civil Contractor etc

17.2 The quantities indicated in the BOQ are only probable quantities and are liable to alteration by omission, reduction or addition. Payment shall be made on the basis of actual quantities of work done at the accepted rates. No alterations which are made by the tenderer in the drawings, specifications or in probable quantities accompanying the tender will be recognized and the tender is likely to be invalidated. Remarks and explanations should be given in a separate cover along with EMD and will become binding only if specially accepted in writing by the Bank at the time of acceptance of tender.

17.3 The Bidder will be fully responsible for considering the financial effect of any or all the above factors while submitting his Bid. SBI shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder regardless of the conduct or outcome of the bidding process.

EXECUTION OF WORKS

18.1 On acceptance of the tender the contractor shall in writing submit to the Bank the names of his accredited representatives who will be responsible to take instructions from the Bank.

18.2 The work or any part of it shall not be transferred assigned or sublet without the consent of the Bank.

18.3 The contractor shall be required to co-operate and work in accordance with and afford reasonable facilities for such other agencies / specialists as may be employed by the Bank on other work/sub works in connection with the work.

18.4 The contractor is required to comply with all acts of Government relating to labour and the rules and regulations made there under from time to time and submit at the proper times all particulars and statements required to be furnished to the labour authorities.

18.5 In carrying out the work, the contractor shall comply with the provisions of the safety code. The rates shall be inclusive of all taxes (except GST), cost of materials, labour, scaffolding, ladders, lifting of the materials etc.

18.6 Bank will not take any responsibility to provide any material including water/ electricity. However, contractor may use the available water/ power supply without causing any inconvenience to the Bank functioning by paying consumption charges as per the prevailing rates.

18.7 If the Contractor has concealed any of the items of work without informing SBI Engineer, the same shall be opened up for measurement and made good to the original finishing at the contractor's expenses. If the contractor refuses to do so, then the same will not be considered for measurement and no payment may be made for such materials.

18.8 The contractor shall not execute any extra work other than the Bank's written instruction. No works, for which rates are not specifically mentioned in the price bid, shall be taken up without written permission of the Bank.

18.9 Should any dispute or differences arise after the execution of any work as to measurements etc., or other matters which cannot be conveniently tested or checked, the decision of SBI shall be accepted as correct and binding on the contractor.

18.10 It is the responsibility of the Contractor to arrange/provide the tools, ladder, stands or any other gadgets or supports required for the execution of the work at site and Bank will not provide or entertain such requests.

MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS

19.1 All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workman like manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by SBI during the execution of the work and to his entire satisfaction. The Contractor shall use only products bearing ISI marking in the work for those materials for which no makes are mentioned in the tender.

19.2 No refurbished, second hand and spurious materials should be used. If required, the contractor has to submit the details of the source of his purchase of materials to SBI. SBI reserves its right to enquire and collect data from the supplier to confirm the authenticity of the materials. SBI has the right to stringent action against the contractor, as deemed fit, in addition to suspend / cancel the contract.

19.3 Contractor should get approval of the samples of materials in advance with SBI's Engineer before use of the same in the work. Should be contractor desire to substitute any specified materials with "Equal" or "Other approved" etc., he/ they must obtain the specific approval of the Bank/SBI in writing for any such substitution, well in advance.

19.4 Samples of all materials to be used must be submitted when so directed by SBI. If required, the contractor shall have to carry out tests on materials in approved materials testing laboratories or as prescribed by SBI at his own cost to prove that the materials etc., under test conform to the relevant I.S Standards or as specified in the specifications. The necessary charges, transporting, testing etc., shall have to be borne by the contractor. No extra payment on this account will be entertained.

19.5 If the contractor has used any material which is not complying with the specifications, or the workmanship is bad or the material used is substandard or second hand etc, SBI shall during the progress of the work have power to order the removal and substitution of the material or proper re-execution of the work within a reasonable time. In case the contractor refuses to comply with the order, SBI shall have the power to employ other agencies to rectify or re-execute the work at the cost and risk of the contractor.

19.6 Any damage (during the work) to any part of the work or to the premises for any reasons due to rain, storm or neglect of contractor shall be rectified by the contractor in an approved manner at no extra cost.

19.7 Should the work be suspended by reason of rain, strike, lock-outs or any other cause, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damage arising from any of these causes.

19.8 When the employer observes that the progress of the work is not satisfactory or very slow or not in a workmanship manner or of poor quality or violative of safety protocols etc, the contractor shall be issued a suitable advise to rectify the same or replace the materials or redo the entire work, within a reasonable time frame. If the contractor could not rectify the things within the time frame given, in the interest of the work, the Employer reserves the right to execute any part of the work included in this contract or the entire work by any other Agency or persons and contractor shall allow all reasonable facilities and extend cooperation for the execution of such work.

19.9 All expenses consequent thereon or incidental thereto as certified by SBI shall be borne by the contractor or may be deducted from any money due to or that may become due to the contractor. No certificate, shall relieve the contractor from his liability in respect of unsound work or bad materials.

. PAYMENT TERMS

No advance payment.

No part payment. For certain works, part payment will be considered if stipulated in the NIT but against GST bill only.

No part payment if value of the executed work is less than Rs 6.5 lakhs .Part payment to the contractor will be released to the contractor only if the contractor execute the work as per specification and Banks directions and satisfaction

Payment shall be made by way of Electronic fund transfer and the bill will be paid by the Branch.

Contractor should furnish details of the Bank A/c no, IFSC code along with their invoices.

20.1 Part/ Interim payment is paid as per the payment terms mentioned in the NIT. All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the requiring of bad, unsound, and imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall, it conclude, determine or affect in any way the power of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract.

20.2 If the Bank has supplied any materials or goods to the contractor, the cost of any such materials or goods will be progressively deducted from the amount due to the contractor in accordance with the quantities consumed in the work.

20.3 The final bill shall be accompanied by a certificate of completion or Commissioning report signed by an official of the Bank. The acceptance of the payment of the final bill by the contractor would indicate that he has no further claim in respect of the work executed.

20.4 GST as applicable shall be paid extra and the same shall be clearly shown in the invoices.

20.5 Income Tax, Labour Welfare fund, GST-TDS and any other taxes as applicable from time to time will be deducted at source as per the rates prevalent at the time of payment of bill.

20.6 GST:

a. It is the responsibility of the bidder to ensure that the GST is valid and active. Payments will not be made to inactive or invalid GST invoices.

b. Reimbursement of GST will be made only on submission of proper GST invoice as per applicable GST provision. Non-GST invoices will not be accepted. The contractor should comply with the following.

c. Contractor should have GST Registration Number

d. Invoice should specifically disclose the amount of GST levied at applicable rate as per GST provision

e. In case of Correction in the bills after scrutiny, contractor should submit fresh bills for payment

f. Contractor should timely file his GST return in accordance with GST provisions to enable the bank to claim the credit of GST paid to the contractor

g. The GST Number of State Bank of India for Kerala State - 32AAACS8577K2ZX

20.7 The works will be paid for as “measured work” on the basis of actual work done and not as “lump sum” contract, unless otherwise specified.

20.8 All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender, in respect of any items of work, payment will be made for the actual work done, on the basis of lump sum charges, as will be assessed by SBI.

20.9 The rates quoted shall be firm till completion of work and no escalation shall be considered. The employer is entitled to deduct all taxes and rates as per existing laws and rules, from any moneys due or that may become due to the contractor. The contractor shall indemnify the employer from and against all claims, demands, proceedings, damages cost and expenses which may be brought or made against the employer or to which it may be put by reason of the contractor not conforming to or complying with any of the provisions or requirements of any act or sections, Central or State rules and regulations Bye laws of local authorities Panchayat, Collector of any other companies relating to or in water, light or amenities at the site.

21.0 Governing Language:

21.1 All communication with respect to the Bid, clarifications, replies, contract documents etc shall be in English.

22.0 Safety Guidelines for the Contractor:

The Contractor should follow the following General safety Guidelines while executing the work:

22.1 Smoking is strictly prohibited at workplace.

22.2 No one is allowed to work at or more than three meters height without wearing safety belt and anchoring the lanyard of safety belt to firm support preferably at shoulder level. Chinstrap of safety helmet shall be always on and safety boot is worn.

22.3 Usage of eye protection equipment shall be ensured when workmen are engaged for grinding, chipping, welding and gas-cutting. For other jobs eye protection has to be provided as per the need.

22.4 All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.

22.5 Excavated pits for earthing, cable laying shall be barricaded till the backfilling is done. Safe approach to be ensured into every excavation.

22.6 Preferably the work shall be carried out during the daytime. However, adequate illumination at workplace shall be ensured in case any work is carried out at night.

22.7 All the dangerous moving parts of the portable / fixed machinery being used shall be adequately guarded.

26.8 Ladders being used at site shall be adequately secured at bottom and top. Ladders shall not be used as work platforms.

22.9 Debris, scrap and other materials to be cleared from time to time from the workplace and at the time of closing of work every day. Dismantled Material shall not be thrown from the height and shall be properly disposed off to prevent any injury to public/staff.

22.10 Other than licensed electricians no one is allowed to carry out electrical connections, repairs on electrical equipment or other jobs related thereto.

22.11 All electrical connections shall be made using 3 or 5 core cables, having a earth wire.

22.12 Inserting of bare wires for tapping the power from electrical sockets is completely prohibited and plug tops of suitable capacity only shall be used.

22.13 All the unsafe conditions, unsafe acts identified by contractors, reported by SBI/ SBI to be corrected on priority basis.

22.14 No children or physically challenged persons shall be allowed to enter the workplace and shall not be utilized for any service during execution of the work.

22.15 All the Gas cutting, sharp tools, flammable materials and tackles shall be stored properly and safely when not in use.

22.16 Clamps shall be used on Return cables to ensure proper earthling for welding works.

22.17 Return cables shall be used for earthling.

22.18 All the pressure gauges used in gas cutting apparatus shall be in good working condition and in case of any leakages, the same shall not be used.

22.19 Proper eye washing facilities shall be made in areas where chemicals are handled.

22.20 Connectors and hose clamps are used for making welding hose connections.

22.21 Tapping of power by cutting electric cables in between must be avoided. Proper junction boxes must be used.

Responsibility for safety of building: The contractor shall be responsible the safety of the works (including the materials temporary buildings and plants) until they are taken over by the employer and they shall stand at their risk and be in the sole charge of the contractor who shall be responsible for and must with all possible speed make good all damage from whatever cause. All the debris shall be removed and disposed of away from the site at the contractors own risk and cost.

The contractor shall provide at his own cost all materials (except such materials if any, as may in accordance with the contract be supplied by the employer) machinery, plant tools, appliances, implements, ladders, cordage, tackle, scaffolding, in fact everything necessary or proper for the proper execution of work, whether the same may or may not be particularly shown or inferred there from 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 to the Bank who shall decide which is to be followed.

Payment will be released only after completion of the work to the satisfaction of the Bank. However, interim bills will be considered subject to ceiling as mentioned above.

The contractor has to undertake repairs/ rectifying the defects whatsoever during the defects liability period, failing which the security deposit shall be forfeited.

The costs of the tests and of the materials and labour and equipment, involved in the testing operations shall be borne by the contractor.

BID SUBMISSION

28.1 Only those bidders satisfying the eligibility criteria given in the NIT need to apply. Tenders (Technical bid, any other details sought for in Sealed Cover) should be submitted in physical form and in sealed cover to the office of the Regional Manager as stated above. The price Bids of the Bidders who have qualified in the technical Bid will only be opened

28.2 Shortlisting of the technically qualified the bidders, the qualified bidders will be intimated to participate in the online bidding by the banks approved agency, The qualified bidder should log into the website https:etender.sbi well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. For this they may arrange required log in credentials from the Banks approved e-tendering agency well advance. The server time (which is displayed on the online portal dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission. Bank will not be responsible for any delay due to other issues. Vendors should constantly check their e-mail to get the intimation. Bank will not be liable for any kind omission in checking emails send by banks approved e-tendering agency.

28.3 The bidders should submit their price bids online with their valid digital certificate, which confirms that the bidders have read and understood the tender terms and conditions.

28.4 Claim for ignorance of all the terms and conditions in this tender either before or after the PO is issued or during the progress of the work will not be accepted.

28.5 The bidder shall submit the documents enlisted in the checklist in the NIT in the softcopy format. ie scanned copy of the documents either in PDF or JPEG format as required in case of submission of technical bid online, otherwise this may be ignored. SBI will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders. The bidder should see that the documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected.

28.6 The documents submitted in the Tender should NOT contain any price information. Such Bid, if received, will be rejected.

28.7 The bidder shall submit his quotes online through the PRICE BID in the e-procurement portal. The price bid will be opened only if the Bid is unconditional and the bidder qualifies as per eligibility criteria and meets technical specifications

29.0 PRICE BID: RATES QUOTED BY BIDDER

29.1 The contractor shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid for the works and the rates/ amounts stated in the schedule of quantities and / or the schedule of rates and amount as provided covering all his obligations under the contract and all matters necessary for proper completion of the works expected in this document.

29.2 The rate quoted shall be firm and shall include costs of all materials, loading, transport, unloading, Installation charges, wastage of materials during execution, levies, Octroi(if applicable), local body taxes (if applicable), all type of Insurance Charges, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work etc..

29.3 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and No extra charges will be paid over and above the contract amount on account of any other charges (existing or future addition) or on any other account.

29.4 The GST shall be paid extra as applicable.

29.5 Rate Revision in the contract amount is not permitted during the validity period of the contract for any reason including during the extended period, if any.

29.6 Any request for review of the price bid after the bid opening will not be entertained.

29.7 In the event of a discrepancy between the rate and amount quoted for an item, the rate quoted shall be taken into consideration and the amount will be populated based on the rate quoted.

30.0 PRELIMINARY EXAMINATION

30.1 SBI will examine the Bids to determine whether they are complete, on required formats & accompanied by supporting Documents and the Bids are conforming to all the terms and conditions of the Bidding Document without any deviations and are generally in order.

30.2 If a Bid is not conforming to the terms and conditions, it will be rejected. However, SBI will have right to demand submission of more information as required, if any of the document is partly submitted. If the bidder does not respond within the stipulated time, SBI will reject or disqualify the bid.

31.0 TECHNICAL EVALUATION

31.1 Only those Bidders and Bids who have been found to be in conformity of the eligibility terms and conditions during the preliminary evaluation would be taken up for further detailed evaluation. Those Bids who do not qualify the eligibility criteria and all

terms during preliminary examination will not be taken up for further evaluation.

31.2 During evaluation of bids, the SBI may, at its discretion ask the bidders for clarification of its bid. The request for clarification shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the bidder shall be entertained.

31.3 The tenders must be unconditional. Conditional tenders leading to unknown / indefinite liability may be summarily rejected.

32.0 EVALUATION OF PRICE BIDS AND FINALIZATION

32.1 The Price Bids of only those Bidders who qualify in the opening of Technical will be opened only through online.

32.2 The L1 Bidder will be selected on the basis of Total Amount quoted after correcting arithmetical mistakes if any in the price Bid.

32.3 In case, the lowest tendered amount (after correcting arithmetical mistakes if any) of two or more contractors are the same, such lowest contractors will be again asked to submit sealed "Revised Offers" but the revised total quoted amount shall, in no case, be higher than the amount quoted during their initial offer for the project. Then the lowest tender shall be decided on the basis of revised offers.

32.4 The process of sealed rebidding amongst two or more contractors offering same rates shall continue till L-1 bidder is discovered.

32.5 In case, any such contractor(s) (quoted same tender amount during initial bidding or subsequent rebidding) refuses to submit revised offer, it shall be treated as 'withdrawal of tender' by the contractor before acceptance and their Earnest Money Deposit shall be forfeited.

32.6 In case, all the lowest contractors those who have quoted same tendered amount, refuse to participate in revised bidding process for the project, the EMD of such contractors shall be forfeited and the tenders shall be re-invited for the project. Such contractors shall not be allowed to participate in the retendering process of the work

32.7 Further, contractors submitting erratic and unreasonably low offers ie., below minus 25% of estimated cost, shall submit additional security deposit (equal to difference in estimated cost vis-à-vis final tender amount quoted) as Performance Guarantee in the form of "Unconditional Bank Guarantee" or Demand Draft favouring SBI. This Performance Guarantee shall be released after satisfactory completion of work.

32.8 If the L1 bidder refuses to give the Performance Bank Guarantee, then the EMD will be forfeited and the tender will be re-invited. The L1 bidder will not be allowed to participate in the retendering process.

33.0 CONTACTING THE BANK:

33.1 No Bidder shall contact the Bank on any matter relating to its Bid, from the time of opening of Price Bid to the time the Contract is awarded.

33.2 Any effort by a Bidder to influence Bank in its decisions on Bid evaluation, or contract award may result in rejection of the Bid.

34.0 AWARD OF WORKS

34.1 SBI will award the Contract to the successful Bidder whose Bid is the lowest evaluated Bid.

34.2 SBI reserves the right at the time of award of contract to increase or decrease the quantity of work and / or services from what was originally specified while floating the tender, without any change in unit price or any other terms and conditions.

35.0 VARIATION IN QUANTITY / SUBSTITUTION OF ITEM

35.1 The Schedule of Quantities unless otherwise stated shall be deemed to have been prepared in accordance with the Standard Procedure shall be considered to be approximate and no liability shall attach to the employer for any error which may be discovered therein.

35.2 The Employer reserves the right to increase or decrease or delete or omit or execute only a part or the whole or any excess thereof, as per the site requirements, without assigning any reason therefor at the time of allotment / execution of work. Contractor will be paid for the actual work done at the site. No variation shall vitiate the contract.

35.3 The tender rates shall be fixed and applicable for any increase or decrease in the tendered quantities. Nothing extra will be paid by the Bank on account of omission / deletion of items or decrease in the quantity of items. The Bank shall not entertain any claim whatsoever from the contractor on this account. Payment will be made on actual measurement of the work done. All measurements shall be as per relevant I.S. standards

35.4 Bank reserves the right to order more quantities than what is mentioned in this tender (at the same rate and terms and conditions) either at the same site or other sites as per the need within the validity of this tender.

35.5 The price of all additional items/non-tendered items will be worked out on the basis of rates quoted for similar items in the contract wherever existing. If similar items are not available, the rates for such items will be derived as per standard method of rate analysis based on prevalent fair price of labour, material and other components as required with 15% towards contractor's profit and overheads.

36.0 CONTRACTOR'S EMPLOYEES

36.1 The Contractor shall employ technically qualified / having appropriate skill and competent persons fully trained and adequately experienced and licensed Electricians, who are medically fit. They should be free from any contagious diseases. The Electricians shall be well mannered and properly dressed with shoes etc.

36.2 The contractor shall provide necessary training on safety measures while executing the work wherever necessary so as to avoid accident. The Bank shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all risk insurance policy including third party insurance as may be necessary to cover the risk at their own cost.

36.3 The contractor / firm shall be held responsible for any misdeeds / misbehaviour of their employees within the premises. Bank is not responsible for any damages or claims on account of the misbehavior / misdeeds of his employees. For this purpose, any person supplied by the contractor to be engaged on the work on regular basis or as an alternate arrangement, under the direct order or control of the Employer or his representative shall be deemed to be a person employed by the contractor.

36.4 The contractor shall on the request of the Employer immediately dismiss from works any person employed thereon by him, who in the opinion of the Employer be unsuitable or incompetent or who may misconduct. Such discharges shall not be the basis of any claim for compensation or damages against the Employer or any of their officer or employee.

36.5 No employee of the Bank is allowed to work as a contractor for a period of 2 years of his/her retirement from Bank Services without previous permission of the Bank. This contract is liable to be cancelled, if either the contractor or any of his employees is any time to be such a person who had not obtained the permission of Bank as aforesaid before submission of the tender or engagement in the contractor's service.

36.6 Contractor should not engage child labour in any of the activities in this contract.

36.7 The contractor shall not employ person who is not an Indian National.

36.8 The Electrician/s shall not over stay in the Bank premises other than the time permitted by the Bank or in the odd hours or

holidays unless or otherwise required by the Branch for specific reasons like maintenance, repair works etc.

36.9 In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time.

36.10 The Contractor's workmen will not have any right whatsoever to get absorbed in the Bank. The Contractor shall be responsible for all the claims of the employees of the Contractor and shall not make and claim whatsoever against the Bank. The Contractor shall be responsible for all statutory requirements e.g. ESI, PF, labour registrations, Insurance coverage etc. The operator is responsible for compliance of all the rules & safety regulations etc.

36.11 Minimum wages as prescribed by the Labour Act shall be payable to the workmen / operator(s) by the contractor as the case may be. The Contractor shall bind himself and keep the Employer saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the Employer in connection with any claim that may be made by any workmen.

37.0 WORKING HOURS AT THE SITE

As instructed by Bank. Contractor to ensure that the routine operations at the site are not affected by the contract work. If required, they have to work on the Bank Holidays in coordination with other agencies and Bank.

38.0 SUBCONTRACTING

42.1 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 underlet the contract or any part, share or interest therein nor, shall take a new partner, without written consent of the Employer and no subletting shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress

39.0 STORAGE OF MATERIALS

39.1 The contractor shall store their materials like fixtures, cables, conduits, wires, tools etc in the site with the permission of the Bank. However, the contractors shall be responsible for the custody and security of all materials and equipment at site. No claim for loss or theft will be entertained by the Bank.

39.2 Shelter or stay and other amenities for the workmen / electricians have to be arranged by the contractor at his own expense and responsibility.

39.3 On completion of the works, the contractor shall remove all tools, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Bank

40.0 FORCE MAJEURE

40.1 Notwithstanding the provisions of General terms and conditions of the Contract, the contractor shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that the delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

40.2 For the purposes of this clause, 'Force Majeure' means and includes wars, insurrections, revolution, civil disturbance, riots, terrorist acts, public strikes, hartal, bandh, fires, floods, epidemic, quarantine restrictions, freight embargoes, declared general strikes in relevant industries, Vis Major Act of Government, impeding reasonable performance of the Contractor and / or Sub-Contractor but does not include any foreseeable events, commercial considerations or those involving fault or negligence on the part of the party claiming Force Majeure.

40.3 If a Force Majeure situation arises, the Vendor shall promptly notify the Bank in writing of such condition and the cause thereof. Unless otherwise directed by the Bank in writing, the Vendor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

41.0 COMPLIANCE OF STATUTORY REGULATIONS

41.1 The contractor shall conform to the provisions of any Acts of the Legislature relating to the work, and to the Regulations and Bye-Laws of any authorities like Electricity, Pollution Control Boards, Municipal Authorities, water and Sewarage boards and shall before making any variations from the drawings or specifications that may be associated to so conform, give the Employer written notices specifying the variations proposed to be made and reasons for making them and apply for instruction thereon. The Employer on receipt of such intimation shall give a decision within a reasonable time.

41.2 The contractor/s shall arrange to give all notices required for by the said Acts, Regulations or Bye-laws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge the receipts with the Employer. The Contractor shall indemnify the Employer against all claims in respect of patent rights, designs, trademarks or name or the protected rights in respect of any equipment, machine, work or material used for or in connection with the works or temporary works and from and against all claims, demands, proceedings, damages, costs, charges, and expenses whatsoever in respect thereof or in relation thereto. The Contractor shall defend all actions arising from such claims, unless he has informed the Employer, before any such infringement and received their permission to proceed and shall himself pay all royalties, license fees, damages, coat and charges of all and every sort that may be legally incurred in respect thereof.

41.3 The contractor should strictly abide by the Central/State labour regulation for the Minimum Wages, Payment of wages, Workmen Compensation, PF, ESI, Contract labour, including the latest amendments, if any and other safety regulations.

41.4 The contractor shall keep the Employer saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the Employer in connection with any claim that may be made by any workmen.

42.0 INSURANCE & DAMAGE TO PERSONS AND PROPERTY ETC

42.1 The insurance shall be for an amount equal to 110 percent of the value of the contract on "All Risks" basis, valid until the Completion of the project or handing over whichever is later and to be arranged by contractors at their own cost.

42.2 Should any loss or damage occur, the Vendor shall initiate and pursue claim till settlement and promptly make arrangements for repair and / or replacement of any damaged item to the satisfaction of the Bank, irrespective of settlement of claim by the underwriters.

42.3 The contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and / or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or a sub-contractor's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

42.4 The contractor shall reinstate all damages of every sort mentioned in this clause so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property of third parties.

42.5 The contractor shall affect the insurance necessary and indemnify the Employer entirely from all responsibility in this respect.

42.6 The contractor shall be responsible for anything, which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

42.7 The Employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or accruing from or in respect of any such claim or damages from any sums due to or to become due to the contractor.

## C. SPECIAL CONDITIONS OF CONTRACT

The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and the rates and amounts stated in the schedule of quantities and / or the schedule of rates and amount which rates and amounts shall expect as otherwise provided cover all his obligations under the contract and all matters and this necessary for the proper completion of the works.

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 fee, damage, cost and charges of all and every sort that may legitimately be incurred in respect thereof.

Work not to be sublet: The whole of the works included in the contract shall be executed by the contractor who shall not directly or indirectly transfer, assign or mutilate the contract or any part thereof or interest therein without the written consent of the employer and no undertaking shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the works during their progress.

Insurance of the works: The contractor shall within 7 days from the date of commencement of the works at his cost and keep them insured until one month after the works and taken over by the employer or three months after the date of completion whichever is earlier, against loss or damage by fire and usual risks other than fire against which insures generally provide cover in a CONTRACTOR'S ALL RISK POLICY' with Names of the employer and 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 and consultant and surveyor's fees for assessing the claim and in connection with his services generally in reinstatement sub-contractor or employee. The contractor shall deposit the policy and receipts for the premium paid with the Bank within a week of the date of commencement of the work unless otherwise instructed by the Bank on his behalf may be due or that may become due to the contractor.

The contractor shall as soon as the claim under the policy is settled or the work reinstated by the insures should they elect to do so, proceed with all due diligence with the completion of the works in the same manner as though the fine or other such risk had not occurred and in all respects under the same conditions of contract.

The contractor, in case of rebuilding or reinstatement after fire or other such usual risk shall be entitled to such extension of time for completion as decided by the Bank.

Accident or Injury to Workman: The Bank shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or any sub-contractor, save and except an accident or injury resulting from any act or default of the Bank or their agents, or employees. The contractor shall indemnify and keep indemnified the Bank against all such damages and compensation, save and except as aforesaid, and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

Insurance against accidents etc. to workmen: The contractor at their own cost shall insure against such liability with an insurer approved by the Bank during the whole of the time that any persons are employed by him on the works and shall, when required, produce to the Bank such policy of insurance and receipt for payment for the current premium. Provided always that, in respect of any persons employed by any sub-contractor the contractor's obligations to insure as aforesaid under this sub-clause shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that the Bank is indemnified under the policy but the contractor shall require such sub-contractor to produce to the Bank when such policy of insurance and the receipt for the payment of the current premium

Local laws, Acts, Regulation: The contractor shall strictly adhere to all prevailing labour laws inclusive of Contract Labour (Regulation and Abolition Act 1970) and other safety regulations. The contractor shall comply with the provisions of all labour legislation including the latest requirements of all the Acts, laws, any other regulations that are applicable to the execution of the project

Minimum Wages Act 1948 (Amended)

Payment of Wages Act. 1936 (Amended)

Work men's Compensation Act 1923 (Amended)

Contract Labour Regulation and Abolition Act 1970 and Central Rules 1971 (Amended)

Apprentice Act 1961 (Amended)

Industrial Employment (Standing Order) Act 1946 (Amended)

Personal Injuries (Compensation Insurance) Act 1963 and any other modifications.

Employees' Provident Fund and Miscellaneous Provisions Act 1952 and amendment thereof

Shop and Establishment Act.

Any other act or enactment relating thereto and rules framed there under from time to time.

In case, of extra items, where similar or comparable items are quoted in the tender, extra rates shall invariably be based on those tender rates to the extent reasonable. In case of extra items, where similar items are not available in the tender, the rates for such items shall be derived as per C.P.W.D analysis of rates or market rates as applicable.

SETTLEMENT OF DISPUTES AND ARBITRATION:

Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design, drawings and instructions herein before mentioned and as to the quality of workmanship of materials used on the work or as to any other question, claim, right matter or thing whatsoever in any way arising out of our relating to the contract, designs, drawings, specifications, estimates, instructions orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers that he is entitled to any extra payment or compensation in respect of the works over and above the amounts admitted as payable by the Architect or in case the contractor wants to dispute the validity of any deductions or recoveries made or proposed to be made from the contract or raise any dispute, the contractor shall forthwith give notice in writing of his claim, or dispute to The Regional Manager (in the address as stated above) and endorse a copy of the same to the Architect, if any, within 30 days from the date of disallowance thereof or the date of deduction or recovery. The said notice shall give full particulars of the claim, grounds on which it is based and detailed calculations of the amount claimed and the contractor shall not be entitled to raise any claim nor shall the bank be in any way liable in respect of any claim by the contractor unless notice of such claim have been given by the Contractor to the respective Manager (address as stated above)in the manner and within the time as aforesaid. The contractor shall be deemed to have waived and extinguished all his rights in respect of any claim not notified to the respective Regional Manager in writing in the manner and within the time aforesaid.

Regional Manager shall give his decision in writing on the claims notified by the contractor. The contractor may within 30 days of the receipt of the decision of the respective Regional Manager submit his claims to the conciliating authority namely the Dy. General Manager (B&O), State Bank of India, Administrative Office, Ernakulam for conciliation along with all details and copies of correspondence exchanged between him and the Branch/ RBO.

(c) If the conciliation proceedings are terminated without settlement of the disputes, the contractor shall, within a period of 30 days of termination thereof shall give a notice to the concerned Chief General Manager of the Bank for appointment of an arbitrator to adjudicate the notified claims failing which the claims of the

contractor shall be deemed to have been considered absolutely barred and waived.

(d) Except where the decision has become final, binding and conclusive in terms of the contract, all disputes of differences arising out of the notified claims of the contractor as aforesaid and all claims of the Bank shall be referred for adjudication through arbitration by the Sole Arbitrator appointed by the Chief General Manager. It will also be no objection to any such appointment that the Arbitrator so appointed is a Bank Officer and that he had to deal with the matters to which the Contract relates in the course of his duties as Bank Officer. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed in the manner aforesaid by the said Chief General Manager. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each dispute along with the notice for appointment of arbitrator.It is also a term of this contract that no person other than a person appointed by such Chief General Manager as aforesaid should act arbitrator.

The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 or any statutory modification or re-enactment thereof and the rules mad thereunder. It is also a term of the contract that if any fees are payable to the arbitrator these shall be paid equally by both the parties. However, no fees will be payable to the arbitrator if he is a Bank Officer.

It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their settlement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parities. The cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof, shall be paid and fix or settle the amount of costs to be so paid.

D. UNDERTAKING BY THE BIDDER

To

The Regional Manager,
State Bank Of India
Regional Business Office 5 ,
Mangattukavala,
Thodupuzha - 685 585

Dear Sir,

TENDER FOR "……(name of the work)"

Having duly examined the tender document including the drawings, specifications, designs, Bill of Quantities relating to the works specified in the underwritten memorandum and having visited the site of the said work and having acquired all the requisite information relating thereto pertaining to this tender, I/ We hereby offer to execute the works specified in the underwritten memorandum within the time specified therein at the rates specified in the schedule of quantities and in accordance, in all respects with specifications, designs, drawings and instructions in writing referred to in the conditions of the tender, the Articles of Agreement, special conditions of the contract and with such materials as are specified by and in all other respects in accordance with such conditions in the schedule of quantities and conditions of contract as applicable.

02. Should this tender be accepted, in whole or in part, I/ We hereby agree (i) to abide by and fulfill all the terms and provisions of the said conditions in the contract annexed hereto and the conditions of the tenders applicable or in default thereof to forfeit to SBI, the sum of money mentioned in the said conditions.

03. I/ We agree (i) that should I/ We fail to commence the work specified in the above mentioned memorandum the Bank shall without prejudice to any other right or remedy be at liberty to forfeit the Earnest Money if any submitted, which otherwise shall be retained by Bank towards security deposit mentioned in the above memorandum (ii) to execute all the works referred to therein and to carry out authorized variations as directed by the Bank and as per said conditions of the contract or any suitable action against to us.

Yours Faithfully,

Signature of the bidder with Stamp_____
Name: _____

Address: _____

## E. FORM OF AGREEMENT

ARTICLES of AGREEMENT made this ____ day of _____ year 2021 between _____ _____ (Hereinafter referred to as the"Employer/ Bank" which expression shall, unless excluded by or repugnant to the context, includes its successors and assigns) of the ONE PART and_____of_____ _____ (Hereinafter referred to as "Contractor" unless excluded by or repugnant to the context, includes its successors and assigns) of the OTHER PART.

WHEREAS the Employer intends to carry out _____ _____and shall herein after referred to as "Project".

AND WHEREAS for the purpose of the above said project, the Employer invited ONLINE E-tenders from experienced, resourceful and bonafide contractors vide its Notice Inviting Tender (NIT) (No._____ dated._____).

WHEREAS the contractor submitted his Online Tender containing Notice Inviting Tender, General Conditions of Contract, Special conditions, Bill of Quantities, Form of Agreement, Preferred makes of materials, Form of Submission of tender/ Process Compliance Statement, Technical Specifications etc. for the above said project, (Hereinafter collectively referred to as the "said conditions"), digitally signed as a token of his acceptance of the same, along with requisite Cost of tender and Earnest Money Deposit.

AND WHEREAS out of the Tenders received, the Tender of the contractor was found to be most suitable for the project.

AND WHEREAS the Employer has accordingly issued the work order (No._____dated._____) to the contractor subject to his furnishing the requisite Initial Security Deposit.

AND WHEREAS the Contractor has accepted the aforesaid Work Order vide his letter of acceptance No._____ dated_____ and has also deposited with the Employer a sum of Rs._____ which with the Earnest Money of Rs._____forms the requisite Initial Security Deposit @2 % of the accepted Tender Value of Rs._____.

NOW, therefore, it is hereby agreed to and between the parties as follows:

Contract documents:-

The following documents shall constitute the Contract Documents.

I. This Article of Agreement.

II. Tender Document submitted by the Contractor including the "said conditions", N.I.T and Schedule of quantities.

III. All correspondence between the Employer and the Contractor from the date of issue of N.I.T and the date of issue of work order.

IV. Work order No. _____dt._____

In consideration of the payments to be made to the Contractor as hereinafter provided the Contractor shall upon and subject to the said conditions, execute and complete the contracted project works and such further detailed drawings as may be furnished to the contractor by the said Employer and described in the said Specifications and the said Schedule of Quantities.

Notwithstanding what are stated in the N.I.T conditions of Tendering, Conditions of Contract of herein stated before, the Employer reserves itself the right of altering the nature of the work and addition to or omitting any items of work or of having portions of same carried out through another agency or otherwise and such alterations or variations shall be carried out without prejudice to this contract.

As mentioned above, the "said conditions" shall be read and be treated as forming part of this agreement and parties hereto will respectively be bound thereby and to abide by and submit themselves to the conditions and stipulations and perform the same on their parts to be respectively observed and preferred.

Any dispute arising under this agreement shall be referred to the Arbitration in a manner specified in the General Conditions of the Contract and all legal disputes shall be limited within the territorial jurisdiction of Thiruvananthapuram thereto. The decision of the arbitration shall be final and binding on both the parties.

The Vendor / Contractor shall promptly notify SBI of any changes in the constitution of their firm. It shall be open to SBI to terminate the agreement on the death, retirement, insanity or insolvency of any person/s is being director/s or partner/s in the said company / firm, or on the addition or introduction of a new partner without the previous approval in writing of SBI. But in absence of and until its termination by SBI as aforesaid, this agreement shall continue to be of full force and effect notwithstanding any changes in the constitution of the firm by death, retirement, insanity or insolvency of any of its partners or the addition or introduction of any new partners. In case of retirement / death, the surviving or remaining partners of the firm shall be jointly and severally liable for the due and satisfactory performance of the terms and conditions of the agreement.

The Contractor agrees and hereby keeps the Bank indemnified against all claims, actions, loss, damages, reputation loss, costs, expenses, charges, including legal expenses (Attorney, Advocates fees included) which the Bank may suffer or incur on account of any deficiency in Services rendered by The Contractor or breach of any obligations under this contract, including without limitation, breach of confidentiality obligations or any acts of commission / omission on the part of employees, agents, representatives or Sub-Contractors of the Contractor. The Contractor agrees to make good the loss suffered by the Bank.

IN WITNESS WHEREOF THE PARTIES to their present have here under set and subscribed their hands, the day, month and year first above written.

Signed and delivered for and on behalf of

Shri. _____ its duly authorized official, In the presence of –

(Name and Address)

(Name and Address)

Signed and delivered for and on behalf of the Contractor _____by Shri_____ his duly authorized representative, in the presence of

(Name and Address)

(Name and Address)

IV. Other Terms &Conditions:

The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers/ bidders.

The Bidder shall not divulge either his Bids or any other exclusive details of SBI to any other party.

SBI decision on award of Contract shall be final and binding on all the Bidders.

SBI reserve their rights to extend, reschedule or cancel any tendering within its sole discretion.

SBI will not responsible for any damages, including damages that result from, but are not limited to negligence.

## G. APPENDIX TO CONDITIONS OF CONTRACT

| | | |
|---|---|---|
| 1. | Name of the work | As stated in Tender Notice/ NIT |
| 2. | Date of commencement | As stated in Tender Notice/ NIT |
| 3. | Period of completion | As stated in Tender Notice/ NIT |
| 4. | Value of work to be taken for issue of interim certificate for payment | As stated in Tender Notice/ NIT |
| 5. | Initial Security Deposit | As stated in Tender Notice/ NIT |
| 6. | Total security deposit | As stated in Tender Notice/ NIT |
| 7. | Defect liability period | 12 months from the date of completion |
| 8. | Liquidated damages for delay in completion of work | ½ % per week of delay subject to maximum of 5% of the Contract value. |
| 9. | Period of honoring final certificate for Payment | 15 days |
| 10. | Deduction of income tax, GST etc | As per Central/ State Govt. rules |
| 11. | Release of Security deposit after Virtual completion. | 50% of the total security deposit shall be released along with final certificate of payment, but only after removing all his materials, equipment, labour, huts/ force, temporary sheds/ stores, all his installations, machinery etc. from the site. Balance 50% shall be released on completion of Defect Liability period, provided that all the defects occurred during the said period shall be rectified by the contractor to the satisfaction of the Bank. The latter 50% shall be released after virtual completion also on submission of Bank Guarantee on any Scheduled Bank, Other than SBI, in the prescribed manner and valid till the completion of defects liability period of 12 months plus 3 months. |

PREFERRED MAKE OF MATERIALS TO BE USED:

| Sl. No. | Material Name. | Brand / Manufacturer / Recommended Make. |
|---|---|---|
| 1. | Modular Switches / Sockets / Electronic Fan Regulators etc. | Legrand Myrius /Schneider Opale,Zenzelo/ Honeywell –Horizon |
| 2. | Telephone/Computer Sockets | Legrand Myrius / Schneider Opale /honeywell |
| 3. | 1100V Grade PVC insulated FRLS Copper wires. | Finolex / Polycab / V-Guard /RR Kable /KEI / Anchor |
| 4. | Telephone cables (0.5Sq.mm and above) | Finolex / Polycab / V-Guard / RR Kable |
| 5. | PVC conduits & Accessories 1.5mm thick medium guage | Precision / Avon plast / Atul / Balco. |
| 6 | HRC Fuse Unit / Open type Base units | L&T / GE / Siemens |
| 7 | MCB controlled combined power sockets with box | Legrand / Schneider / Hager / Siemens/ Havells |
| 8 | Surge Protector | OBO Bettermann/ABB/ Legrand |
| 9 | Change Over Switch | Socomec / LK/ C&S/ HPL |
| 10 | ATS (Automatic Transfer Switch) | Socomec/HPL/ HAVELLS |
| 11 | Selector Switches | L K/ Salzar/ Siemens/Kaycee |
| 12 | MCBs / RCBO / RCCBS / MCB Distribution boards (All should be same make among approved makes) | Legrand/Hager/Schneider-Acti9/ Siemens / L & T |
| 13 | MCCBs | Legrand / LK / Hager / Schneider Acti9/ Siemens/ |
| 14 | SFU / Isolators | L & T / GE / C&S |
| 15 | HT / LT Under ground Cables | POLYCAB / GLOSTER /RR Kable/Universal/ KEI / |
| 16 | Cable Glands | HMI /Comet /universal |
| 17 | ELRs/CBCT | Prokdvs /Nagoba/ Kappa |
| 18 | Measuring Instruments | Prokdvs /Enercon/Elmeasure/Rishabh |
| 19 | Indication Lamps LED (protected type) | Schneider/Vaishno / Binay / L&T / Kaycee |
| 20 | Resign cast CTs | AE / Kappa / Resitech/ KEL |
| 21 | CAT6 / RG 6 / RG 11 | Finolex / Delton / RR/ Scintific/ |
| 22 | Light Fixtures | Philips / Osram / Panasonic/ Wipro |
| 23 | Ceiling Fans (five star rated only) | Crompton, Orient/Atomberg |
| 24 | Exhaust fans | Crompton / Usha / Orient / V-Guard |
| 25 | Wall Fans (with metal body, blades and grill) | Crompton / Orient / Usha / V-Guard |

| | LIST OF I.S.CODES FOR INTERNAL ELECTRIFICATION INSTALLATIONS | |
|---|---|---|
| Sno | Description | IS Code |
| 1 | EXTERNAL ELECTRIFICATION wiring installation (system voltage not exceeding 650V | IS 732 – 1989 |
| 2 | Graphical symbols used in Electro-technology art-XI-Electrical Installation buildings | IS 2032-1969 |
| 3 | Fire safety of buildings (General) Electrical Installation | IS 1646-1961 |
| 4 | 3 pin plugs and sockets | IS 1293 |
| 5 | Earthing | IS 3043-1966 |
| 6 | Fittings for electrical wiring | IS 26671964 |
| 7 | General and safety requirements for electric lighting fittings | IS 1913-1969 |
| 8 | Busbar ratings | IS 8084-1976 |
| 9 | On load change over switches | IS 4064-1978 |
| 10 | Panel shall comply with the latest Relevant Indian Standards and Electricity Rule and Regulations | IS-13947-1993 |
| 11 | The general construction shall for factory built assembled switchgear & control gear for voltage up to and including 1100 V AC | IS-8623-1977 (Part-1) |
| 12 | DBS | IS-13947-1993 |
| 13 | The general construction for factory built assembled switchgear & control gear for voltage up to and including 1100 V AC | IS-8623-1977 (Part-1) |
| 14 | The degree of protection shall be IP-42 for indoor application, IP-55 for kitchen and IP-65 for outdoor application. | |
| 15 | Conduits for electrical installations, Part 3: Rigid plain conduits of insulating materials. General requirements [ETD 14: Electrical Wiring Accessories]. | IS 9537-3 (1983) |
| 16 | Fittings rigid non-metallic conduits [ETD 14: Electrical Wiring Accessories] | IS 3419 (1989) |

NOTES GENERAL

1 Materials, which are not included in the approved list, will not be accepted. Penalty will be charged at the discretion of the bank for any deviations in specifications and considered such items are not executed in the work .If any work executed is not conforming to Banks Specifications and applicable standards , Use of non-approved make of materials, without proper Quality and workmanship, Bank has the discretion to reject any or all items of the work executed and not eligible for getting any payment for such items or all items in such installation .Any claim on such item will be considered.

2,The contractor will have to find out the total connected load and the load sanctioned by KSEB, so that fresh sanction may be obtained for the actual excess load. It will be responsibility of the contractor to do all liaison work with KSEB and Electrical Inspectorate on behalf of the Bank including obtaining additional load sanction energization order on time and all formalities and constant follow up for regularization /New connection of power supply at the earliest possible. Outsourcing with any other vendors will not be permitted at any case. Any statutory fees If spend in this regard will be reimbursed on production of original receipts.

3.There should not be any direct joints of wires inside the PVC pipe. If unavoidable it should be inside a junction box only using connector. No such joint shall be made unless the length of the circuit is more than the length of the standard coil of wire.

4.The earth conductors UPS earth should be layed through Rigid PVC conduit.

5,There should be a gap of about 5mm between the terminals and insulation of the conductor wherever there is a joint or connection. That is the wire should not be connected and tightened with the insulation in between the terminals.

6,The phase line should be connected to the right side of the sockets and neutral to the left side.

7,All metal parts should be earthed.

8 ,Same make of MCCB,MCB,ELCB and its accessories to be put in All kinds of DBs

9,Ceiling fan/Wall fans should be of same make ,different make of same item will not be permitted

10,Earth pits should be finished at least 6" above the ground level and engraved "EARTH PIT SBI" inside and on slab outside while doing plastering.

11,Metallic saddles to be used for fixing the PVC pipe / cable on wall / slab /partitioetc.as per standards.

12,Name, address and phone number of the contractor with the date of manufacture should be fixed on the fabricated main panel if any using riveted Metallic / plastic name boards.

13,All switches ,sockets and regulators etc should be of same make from any of the preferred / approved make ,

14KSEB earthing and UPS earthing should not be interlinked anywhere.

15,In case of renovation of Branches the work should preferably be carried out after office hours or holidays without affecting the normal functioning of the bank and with the prior permission of Branch Manager / Accountant. Damages caused to bank if any will be recovered from the contractor. Furniture etc., which are displaced during execution of the work, shall be put back in its original position immediately after work and the area should be well cleaned. Fax, telephones, computers etc. should not be tampered and they should be well covered and protected from dust while doing the work. Holes made on walls / floors for drawing cables etc. should be closed and painted by the contractor.

16,All the materials required for execution of work must be from the preferable / approved make of materials mentioned in the tender. It shall be responsibility of contractor for procurement of all materials / equipment etc. Alternative make of any material / equipment will not be entertained. If the Contractor brings defective / sub-standard materials and materials other than preferable make at site, found any such installation in the work will not be permitted and will not consider for payment. It shall be the responsibility of the Contractor for the removal and disposal of the same at his cost. The Bank shall not entertain any claim from the Contractor on this account.

17,The Bank shall have the exclusive right of rejecting items of works with bad workmanship, specification and standards other than that of KSEB Ltd and Kerala State Electrical Inspectorate or any relevant specification by government authorities. If the Contractor fails to rectify or improve the level of workmanship to the acceptable standards, suitable recovery as assessed by the Bank shall be made for those items of works and the decision of the Bank in this regard shall be final. No requests/claims whatsoever shall be entertained in this matter under any circumstances for the nonstandard of work executed

18,The contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the cost for such delays may be, including delays in procuring government controlled or other materials.

19 ,If the contractor fails to execute the work as per schedule in spite of a written notice the bank can terminate the contract immediately without any legal notice and work shall be completed through other agencies. All expenditures in this connection will be recovered from the contractor's bill.

20 ,Contractor may visit the site with the permission of Bank officials before submitting the tender if required

21,Any modification in the tender other than rates will be considered as conditional tender and will be rejected with out any notice irrespective of the total amount quoted

22,Bank reserve the right to re-use the materials in present installation and which is to be possible for re-use in the new installation as per the instruction from banks officials .and such items will be eliminated from the final bill partially or fully.

23,The retention money will be released to the contractor 14 days after the defects liability period (1 year) of the completion of work without any interest provided he has satisfactorily carried out all the work and attended to all defects. In the twelth month the contractor should carryout cleaning and preventive maintenance of the switchgears, as there is possibility of complaints due to loose connection etc.

J. TECHNICAL SPECIFICATIONS

1.0 ELECTRICAL WORKS

1.1 The Contractor shall carry out and complete the Electrical work as per standard specifications / as stipulated in this contract and relevant IS recommendations in coordination with other agencies like Interior, AC and civil contractors and to the satisfaction of the Bank with approval of Bank issue further written instructions, detailed directions and explanations with respect to the specifications, quality or quantity of works or the addition or omission or substitution of any work.

1.2 METER BOARD:

The Main DB/Meter Board shall be provided in the place free from leakages and in a covered location. The Meter Board shall be as per KSEB LTD requirements and shall be fixed firmly on the wall. Any opening made in the wall for feeder cable entry should be sealed properly after installation to avoid entry of rodents and rain water. The meter Board shall be properly earthed as per the regulatory requirements.

1.3 LT PANEL INSTALLATION:

Panel shall be covered properly to prevent dust, contamination & damage during transportation. In case of damages during transportation or unloading etc, the same shall be rectified and made to perfection before installation. No excuse for delay on account of the above will be accepted.

For floor mounted panel, the exact location of the panel and fixing holes to be marked on the concrete plinth for the installation. Install the panel in proper alignment and fix properly. Tighten all the connections as required. Access around the panel to be provided as per regulatory requirements for future maintenance. Ensure the services like AC drain lines or water pipe lines or sewage lines are away from the panel or the panel is properly protected against any accidental leakages.

Incoming and outgoing cables shall be marked/identified as per approved drawing. All components of the panel shall be verified against the approved panel drawing for correct rating & size. Ensure that all internal connections are proper and loose connections are tightened. All breakers (incoming/outgoing) shall be in “OFF” position and to be locked to prevent mishandling

Before commissioning. All earth terminals of the panel are firmly connected to the designated earth pits with suitable size of GI strips as required. Check whether the metering equipment and indication lamps are working as desired and rectify the defects, if any. After installation, the panel shall be properly cleaned and protected to prevent dust & contamination.

1.4 INSTALLATION OF DBs:

All DBs wall mounting and floor mounted arrangement shall be in accordance with BOQ and the approved material. Ensure that painting of the wall is completed prior to marking and mounting of DB. Confirm label/marking to ensure that is the correct DB and check the position according to the approved layout and mark the fixing position of the DB's support. After marking, drill according to the selected sizes of anchor bolts to appropriate depth. Permanently fix the DB to the wall/slab with anchor bolts. If there is more than one DB to be installed at the same location, they shall be installed side by side and clearance shall be maintained for easy maintenance and trouble shooting. The height of Distribution Board shall be maintained so that easy access for termination of cables and other maintenance work can be carried out. Cut-out shall be made for inserting the wire in DB and same cut out shall be provided with a rubber gasket so that there will be no sharp edges and secure the wire insulation from damage.

Wire inserted in the DB shall be cross-checked for existing circuit number and final ferruling shall be done. Wire in DB shall be used cable tie and dress with bunching of the phase-neutral and earth and suitably lugged to the respective MCBs and Bus bar. Bunching shall be done as per phase separation respectively R, Y and B. After Crimping insulation sleeves shall be provided in the Wire/ Cable to avoid accidental short circuit between the adjacent terminals. DBs shall be provided with body earthing connections as per provisions available in the DB. Identifications labels of approved engraved type nameplate/Radium stickers of suitable font size shall be fixed on DB. After complete termination of wire/cable same DB compartment shall be cleaned before fixing the door.

When the DB is fixed on the partition care should be taken to ensure the holding capacity of the partition, to avoid the DB from falling and getting damaged or causing injury. The installation of DB shall be done in such a way to add to the ambience of the Branch. It shall be firmly fixed on the wall / partition.

1.5 LAYING OF LT CABLE

1.5.1 IN CABLE TRAY:

Wherever the cable trays are provided, the cables shall be laid in the cable tray. The cable shall be laid from one end of the route or any other suitable point as per site conditions. Wherever the cable needs to be bended, the cables bending radius shall conform to the cable manufacturer's recommendation. Prior to cable cutting, check both ends to make sure there is sufficient length for proper dressing and end termination. After cable laying is finished, all cables shall be tested for insulation resistance. Install the cable tags, dress the cables and clamp it as per the standards. Whenever, single core cables are used, Trefoil (three-foil formation) laying shall be used with single-core cables.

1.5.2 LAYING THE LT CABLE UNDERGROUND:

A trench of about 1.5 meters deep and 45 cm wide is dug. Then the trench is covered with a 10 cm thick layer of fine sand. The cable is laid over the sand bed. The sand bed protects the cable from the moisture from the ground. Then the laid cable is again covered with a layer of sand of about 10 cm thick. When multiple cables are to be laid in the same trench, a horizontal or verticle spacing of about 30 cm is provided to reduce the effect of mutual heating. Spacing between the cables also ensures a fault occurring on one cable does not damage the adjacent cable. The trench is then covered with bricks and soil to protect the cable from mechanical injury. The LT Cable route markers shall be provided as per standards.

1.5.3 The end termination shall be provided as per the cable size. Unless specified, the termination shall be single compression type glands of proper size and lugs shall be suitable for termination as per the point of termination like switchgear terminals, Bus bar, terminal connectors etc. Only the respective metal lugs shall be used for termination. Aluminium lugs shall not be used to terminate in the copper bus bars or vice versa.

1.5.4 The cables from the Panel to DB or from Main DB to Sub DBs should be duly fixed with suitable size clamps if laid in the wall. If more number of cables are to be laid, then they shall be laid in cable trays of suitable size firmly fixed to the ceiling with threaded rods.

1.5.5 To avoid rodent menace, the contractor shall close all openings made by him in the wall, the unused knockout holes in the DB, Panels, Junction Boxes with suitable dummies, Blanking plates etc and also provide sufficient protection to the panels, DB. No claim for additional amount towards rectifying the work on account of damages caused by rodents will be entertained during the defects liability period.

1.6 CONDUITS:

Unless otherwise specified all wiring shall be in rigid PVC conduit embedded in wall, or ceiling or concealed in the false ceiling. The size of conduits shall be selected in accordance with the IS regulations and the minimum size of the conduit shall be 20 mm dia unless otherwise indicated or approved. Conduits shall be kept at minimum of 100 mm from the pipes of other non-electrical services.

Separate conduits and runways shall be used for:

1. Lighting system.
2. Power outlets.
3. Emergency light.
4. Telephone system.
5. Fire alarm system.
6. Sound / public address system.
7. Television system.
8. Computer system.

Wiring for short extensions to outlets in hung ceiling or to equipment, motors etc. The entire system of conduits must be completely installed and rendered electrically continuous before the conductors are pulled in.

All PVC conduits shall be jointed with plain PVC couples using approved PVC jointing materials as recommended by the manufacturer. All joints shall be water tight. Junction between conduit and adaptable boxes, back outlet boxes, switch outlet boxes and the like must be provided with entry spouts and smooth PVC bushes.

1.6.1 LAYING OF CONDUITS IN SURFACE:

Conduits run on surfaces shall be supported on galvanized / PVC saddles which in turn are properly screwed to the wall or ceiling. Saddles shall be at intervals of not more than 60 cm. Fixing screws shall be with round cheese head or and rustproof materials. Exposed conduits shall be neatly run parallel or at right angles to the wall of the building. Pull boxes must be provided at the right angles and at a distance of not exceeding 20 meter

1.6.2 CONCEALING THE CONDUITS IN THE WALL:

Conduits embedded into the walls shall be fixed by means of staples at not more than 60 cm intervals. Chase in the wall shall be neatly made and refilled after laying the conduit and brought to the finish of the wall. Chasing shall be done with the wall cutting machine. Hammer and chisel shall be used on chased portion to get uniform depth of 50 mm. Uniform depth of 50 mm shall be maintained on chased portion. Conceal Back box shall be installed by using cement mortar. Alignment of the back box shall be done by using a calibrated spirit level. PVC adaptor shall be used for connection between JB and conduit. PVC solvent shall be used.PVC solvent cement shall be applied on conduit before interconnection. Embedded JB shall be protected by covering with brown tape filled with jute/gunny bag.

Cement mortar 1:5 ratio (1 portion of the cement+5 portion of sand) shall be used for patchwork in chased area. Chicken (wire) mesh and GI nails shall be used for all chasing width of the embedded conduit. Curing shall be carried out for a minimum of three days.

1.6.3 CONCEALING IN THE CONCRETE:

Conduits buried in concrete structure shall be put in position and securely fastened to the reinforcement and got approved by the consultant/Engineer before the concrete is poured. Proper care shall be taken to ensure that the conduits and boxes are neither dislocated nor choked at the time of pouring the concrete. Suitable fish wires shall be drawn in all conduits before they are embedded. Inspection boxes shall be provided for periodical inspection to facilitate draw and removal of cables. Such inspection boxes shall be flush with the wall in the case of recessed conduits. Inspection boxes shall be spaced at not more than 12 meters apart or two 90 degree solid bends or equal.

1.7 WIRING AND ACCESSORIES:

1.7.1 LAYING OF WIRES:

Unless otherwise specified all wires shall be FRLS PVC insulated single core, stranded copper conductor. All wires shall be colored as follows:

Phase R: Red Color of wire

Phase Y: Yellow Color of wire

Phase B: Blue Color of wire

Neutral: Black

Ground: Yellow Green or Green (One color only to be used for the complete Installation).

The size of wires shall be as indicated in the drawings or in the BOQ.

When more than one wires are installed in the same raceway, they should be pulled in the raceway at the same time. Use guide wires and similar equipment when wire pulling, to support the tension and avoid possible damage. Conductor splices must be enclosed in junction boxes. Use a minimum of 300mm of slack conductors inside DB and at each outlet as needed. Ensure proper wire installation in all boxes. After installation, the Wires Insulation Test should be conducted.

1.7.2 SWITCH BOARDS AND POWER OUTLET SOCKETS:

Switch Boards for light points, socket outlets, power outlets, pull / junction boxes shall be of galvanized steel, and shall be of shapes and size to suit their respective locations and installations and shall be provided with covers to suit their function and installation. All outlet boxes shall be provided with brass ground terminals. All junction boxes/pull boxes shall have suitable covers. Surface mounted outlet and junction boxes in the outdoor locations shall be of weatherproof. The surface mounted indoor boxes shall be of sheet steel painted or PVC for surface installation. For internal use Switches shall be of the grid assembly pattern with rocker operated switch units suitable for operation with inductive loads. Switches shall be either one way or two way as specified in the BOQ. Switch plates shall be of suitable shade and size as specified in BOQ or approved by SBI. Surface installation switches shall be provided with matching steel box.

1.7.3 CIRCUIT WIRING

Unless and otherwise specified in the BOQ, all sub main circuit conductor sizes for lighting and appliances, shall be as shown in the schedule of quantities. Each circuit phase wire from the distribution boards should be followed with a separate neutral wire of the same size as the circuit wire or as specified in the BOQ. For the light/fan point wiring individual phase, Neutral and Earth wires shall be run from the switch board to the respective ceiling rose. Looping of neutral and Earth wires for adjacent light points are not allowed except for the secondary points. For the secondary points Neutral and Earth looping should be done only from the respective primary points. This will avoid nuisance tripping of ELCB/RCCB in case of leakage and identifying the faulty circuit and rectifying will be easy. Each light point and outlet shall be identified with their circuit number and DB number with a label pasted on them. Flexible cords for connection to appliances, fans and pendants shall be 250/440V grade, three or four cores, with tinned stranded copper wires, insulated, twisted and sheathed with strengthening cord. If demanded by SBI, the contractor shall supply a certificate issued by the manufacturer of wires and switches stating origin, date of manufacture, batch number and standard to which it complies and the test certificates. Looping system of wiring shall be used. Wires shall not be jointed. Where joints are unavoidable, these shall be made through approved mechanical connector. 230 V power supply wiring shall be distinctly separate form any other different voltage system and lighting wiring.

1.7.4 CONTROL SWITCHES

Control switches shall be connected in the phase conductors only and shall be 'ON' when knob is down. Switches shall be fixed in galvanized steel boxes. Chromium plated screws shall be used. The rating of the Switches shall as per the BOQ.

For the UPS power sockets provided in the workstations and counters, the control switches shall be provided separately above the counter and the sockets below the counter.

Similarly, for the wall mounting fan points, the control switches shall be provided separately in the Switch board and the socket outlet provided near the wall mounted fans.

1.7.5 TESTING OF ELECTRICAL WIRING SYSTEM

The entire installation shall be tested in accordance with IS regulations for:

1. Insulation resistance.
2. Earth continuity.
3. Polarity of single pole switches.

1.8 LIGHT FIXTURE INSTALLATION:

17.8.1 Inspect the site to install light fixtures as per approved lighting layout if any provided. If any mismatch is observed between the approved layout and the actual layout, please consult the SBI Engineer and replan the lighting layout to suit the actual site conditions.

If there is no false ceiling, chalk lines (geru powder cement colour removable type) shall be used to mark the spacing of light fixtures as per approved drawing. After marking, the light fitting support and accessories shall be fixed. Wires shall be connected to the connector of light fitting as per standard. Light fitting shall be mounted on the support fitted. Line level and final alignment shall be checked with line drawing .

1.8.2 INSTALLATION OF LIGHT FIXTURES IN THE FALSE CEILING:

While installing light fixtures in the false ceiling, the contractor has to check the distance between the roof and the false ceiling and ensure that the sufficient height is available for fixing the light fixtures and if requires any change in the lighting layout. Any hindrance like beams, sewerage pipe lines, electrical cables etc. has to be informed to the SBI Engineer and necessary guidance obtained before installation. Support to hang the fixture to be provided in the roof with suitable length of chain links or GI wires of suitable size, as per recommendation of the light manufacturer. The supports shall be of sufficient length to enable change of location of fixtures to the adjacent grid/cutout, if required by Bank. The supports should not be fixed to the pipes or cables or electrical conduits running above the false ceiling. The Light fixtures should not be loosely laid on the false ceiling grid without any support.

1.8.3 In case of the Gypsum false ceiling, the marking shall be made in the false ceiling first as per the lighting layout and the cutout shall be made in coordination with the interior contractor. Wherever required, the suitable frame required have to provide by the contractor for the 2'x2' fixtures.

1.8.4 The cutouts for the light fixtures and down lighters shall be properly marked in the false ceiling to make the cutout neatly and as per the desired lighting layout. Nylon line dori shall be used to ensure that all light fixtures are in a straight line

1.8.5 If the works involves, some architectural features in the false ceiling, the contractor shall consult the interior contractor and SBI Engineers before installation of light fixtures, ceiling fans, laying of cables above false ceiling to avoid any damage or any hindrance to the proposed architectural features. Contractor should get approval for the final light layout as per actual site condition before starting the point wiring for the same

1.9 EARTH STRIPS / CABLE TRAYS:

1.9.1 GI/COPPER STRIP LAYING:

Before installation of GI and copper earth strip, the inspection shall be carried out to confirm size, quantity and galvanizing of GI strip. Arrangement shall be made for proper scaffold for strip laying on the tray. Check wall and beam finishing before strip clamping on the wall and beam. Ensure that all Earth strip installation are straight. The earth strip route and size shall be confirmed/verified with approved earthing drawing.

Ensure that there is no overlapping in strips at joints. Where required for Joint area, use "C" type holding clamp for avoiding gap between two strips. GI strip fixing inside cable tray with using of GI nut bolt at every 5 mtr. interval. Clamps shall be fixed at an interval of 1000mm. Copper to GI earth strip connection shall be done by using the bimetallic washer

1.9.2 EARTH STRIP LAYING BY WELDING ON WALL/SLAB.

Whenever longer length of Earth strips are to be installed on wall/ slab, the overlapping in strips at joints shall be minimum. Overlapping area to be properly welded and ensure no gap in the joint area. Approved PVC sleeve shall be provided to 50x6mm and 75x10mm GI earth strip wherever accessible areas such as inside substation, all embedded portion etc. Welding joints are cleaned with wire brush and then coated with Galva brite. All paint, scale and enamel shall be removed from the contact before the earthing connections are made. All sizes of GI strips shall be fixed by using GI clamp, GI spacer, and 35x8mm GI screw with PVC nylon fasteners (PVC Grip). Clamps shall be fixed at an interval of1000mm (in case of wall/slab).The earthing for Equipment shall be tapped from the main earth conductor/strip. Equipment earthing shall be done by GI nut bolting. Ensure GI nut bolt shall be fully tightened at equipment earthing. GI strip laid underground shall be at depth of 500mm below finished grade level. All joint below ground level shall be welded by two coats of bitumen paint. All connections to the grounding grid shall be made with earthing strip welded to the grid and bolted at equipment ends. All joints and cut ends shall be properly painted with galvabrite.

1.9.3 CABLE TRAY INSTALLATION:

Cable tray supports and cable tray material shall confirm the size, quantity and quality as per technical specification. Cable tray routes shall be cleared of any debris. Necessary cable tray route and supports shall be checked as per approved drawings. If required, make suitable size opening in the wall for cable tray entry into the building. All accessories used such as joint plate, nut, bolts with washer, bends, reducers, etc. used in cable trays shall be of the same manufacturer as that of

the cable trays. Necessary Scaffolding shall be arranged wherever applicable. Throughout the work execution, safety standards shall be followed.

Ceiling bracket and top hat section shall be fixed on anchor fastener. Install the threaded rod supports using with ceiling bracket as per approved drawing. Check the vertical and horizontal alignment of threaded rod support by spirit level. Supports shall be installed at spacing not exceeding 1.5 meters and all branches, bends, Endpoints supports shall be installed as shown on the approved drawings. Nylon line dori will be used to ensure that all supports are in a straight line. After the installation of supports install the proper size cable tray and check the alignment using of line dhori & Sprit level. Two lengths of cable tray shall be connected with the joint plate. Minimum clearance shall be maintained between bottom of the tray and the ceiling. End cap to be provided at end cut portion of tray.

1.10 CORE CUT:

Core cut hole shall be carried out at the site as per the site requirement after consulting Civil Engineer. Ensure marking of core cut is in line of existing cut out at the floor above or below to have vertical alignment. If more than one Core cut is required, required spacing shall be provided. Centre of core cut to be drilled with drill machine to receive core bit of machine. This will avoid displacement of core machine bit. The Core cut Machine will be Fixed to Slab using Machine Clamp and anchor Fastener. Check that machine is firmed enough not to displaced from its location. Check the electrical supply and run the machine with minimal force. Maintain proper gaps between adjacent core cuts to allow pipe jointing in future. Upon completion of the core cut, protect the Core cut hole using the ply piece.

1.11 CONCEALING INSIDE WALL/PARTITIONS/GROUND/CEILING:

1.11.1 The contractor shall give due notice to the Employer whenever any work like opening for the earth pits, underground laying of cables, concealing the conduit piping, cabling or any work is to be concealed in the wall/false ceiling/partitions or finished up or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions taken before concealing.

1.11.2 If the Contractor has concealed the items without informing SBI Engineer, the same shall be opened up for measurement and made good to the original finishing at the contractor's expenses. If the contractor refuses to do so, then the same will not be considered for measurement and no payment may be made for such materials.

1.11.3 The contractor shall not execute any extra work other than the Bank's or SBI's written instruction. No works, for which rates are not specifically mentioned in the price bid, shall be taken up without written permission of the Bank/SBI.

1.11.4 Should any dispute or differences arise after the execution of any work as to measurements etc., or other matters which cannot be conveniently tested or checked, the decision of Bank shall be accepted as correct and binding on the contractor.

1.11.5 It is the responsibility of the Contractor to arrange/provide the tools, ladder, stands or any other gadgets or supports required for the execution of the work at site and Bank will not provide or entertain such requests.

(To be printed in the letter head of the Company/ Firm, duly signed and stamped and Original in physical form shall be submitted along with EMD)

FORM OF SUBMISSION OF TENDER **(ANNEXURE –II)**

The Regional Manager,
State Bank Of India
Regional Business Office 5 ,
Mangattukavala,
Thodupuzha - 685 585

Dear Sir/s,

Ref: TENDER FOR "……(name of the work)"

I/We have examined the above tender and subsequent pre-bid clarifications/ modifications / revisions, if any, furnished by M/s SBI and I/We have inspected the site of works and have made me / us fully acquainted with the local conditions in and around the sites of works and offer to undertake Contract as detailed in this tender by submitting my/our online bids in the Bank's e-tender portal.

While submitting this Bid, I / We certify that:

The undersigned is authorized to sign on behalf of the Bidder and the necessary support document delegating this authority is uploaded along with the bid.

We certify that we have not made any changes in the contents of the tender document read with its amendments/ clarifications provided by M/s SBI, submitted by us in our Bid document.

The rate quoted in the price Bids are as per the tender and subsequent pre-Bid clarifications/ modifications/ revisions furnished by the Bank, without any exception.

We agree to abide by all the Bid terms and conditions, contents of Agreement and the rates quoted in the bid, which shall remain binding upon us.

If our Bid is accepted, we undertake to enter into and execute at our cost, when called upon by the Bank to do so, a contract in the prescribed form and we shall be jointly and severally responsible for the due performance of the contract.

Until a formal contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

6. It is further certified that the contents of our Bid are factually correct. We also accept that in the event of any information / data / particulars proving to be incorrect, SBI will have the right to disqualify us from the Bid.

7. We understand that you are not bound to accept the lowest or any Bid you may receive and you may reject all or any Bid without assigning any reason or giving any explanation whatsoever.

8. We hereby undertake that our name does not appear in any "Caution" list of RBI / IBA or any other regulatory body.

9. We also confirm that we have not been blacklisted by any Bank / PSU / State or Central Govt departments for any reasons.

10. We confirm that we do not have any litigation / cases pending against us in any Bank / PSU / State or Central Govt departments.

11. We confirm that we are responsible to obtain all necessary licenses, permission, NOC from all the statutory /local authorities for the smooth execution of this contract in SBI premises.

12. We hereby confirm that all the materials/components/spare parts/equipment etc. to be supplied / used as a part of this contract shall be original / new materials / components / parts / equipment only from respective OEMs of the products and that no refurbished / duplicate / second hand materials/ components/ parts/ equipment shall be supplied or shall be used.

13 I/ We do hereby unconditionally accept all the terms and conditions of this tender document and BOQ published in the e-tendering website https://etender.sbi. We hereby agree to submit the signed and stamped copy of the technical Bid and Priced Bill of Quantities, which shall form part of the agreement, if I/ we become L-1 bidder in the tendering process.

13. For any type of deviation (to any of above or subsequent instructions), it will be my/ our responsibility to obtain the written instruction of the Engineer-in-charge for the same failing which it shall be deemed that I have carried out any such deviations at my own and I shall be duty bound to replace the all deviated material/ works from the site at my/ our cost as well as I shall be liable to penalized by the SBI as deemed fit and for all such loses made thereof, I/ we shall not have any right to arbitrate in any manner.

Yours Faithfully,

Signature of the bidder with Stamp_____

Name: _____

Address: _____

**STATE BANK OF INDIA - ADMINISTRATIVE OFFICE ERNAKULAM**

**BOQ FOR ELECTRICAL WORKS OF SBI POTTENKAD BRANCH, RBO-5 THODUPUZHA**

| Sl No | Particulars : Detailed Specifications | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **PART-A : ELECTRICAL WIRING WORKS** | | | | | |
| 1.a | **ENERGY METER CUBICLE :** Fabrication, Supply, Installation, testing & Commissioning of energy Meter cubicle made out of 16 SWG CRCA sheet consisting of the following. (to be fixed outside the building).<br>3-PHASE ENERGY METER- for Branch,separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following.<br>3 Nos. 125A Open Type bakelite cutout fuse unit with 80A HRC fuses<br>1 no. 125A,25/36kA 4 pole MCCB 415V with operating handle<br>25x3 mm Tinned copper earth bench with black sleeve mounted on FRP insulators with SS Nuts & bolts for giving connections.<br>4 Runs 16 Sq.mm PVC insulated copper wire for giving internal connections between C/O fuses, MCCB, 25x3 mm Tinned copper earth bench with black sleeve mounted on FRP insulators for Neutral etc with copper Lugs and SS Nuts&Bolts Spreader and SS Nuts & Bolts, Rubber gromets for metal crossings of wires, door knobs with lock nuts etc.<br>Mark ON & OFF direction, MCCB & Cut out fuse ratings, cable size, consumer No., Name of Branch etc.neatly using good quality stickers /Paint.<br>Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. | Set | 1 | | |
| 1.b | **SURGE PROTECTOR :** Supply and installation of Class 1 + 2 Surge protection Device of **OBO BETTERMAN** make **V25-B+C/3+NPE** with manufacturer's own enclosure as per its schematic lay out to be installed between KSEB Incoming Power Supply in MSB and KSEB earthpits. | Set | 1 | | |
| 1.c | **MAINS CHANGE OVER** Supply and installation of 125A 4 Pole ON LOAD Change over switch with suitable metallic enclosure with cable entry box and powder coat painted and with 6 nos 2A SP MCB with 6 nos LED indicators for the identification of KSEB / DG Set 'ON' & neat marking thereof. (Separate chamber & door for COS chamber & Indicator + MCB Chamber). Use 1/1.5 Sq.mm rigid single core PVC insulated copper conductor for control wiring. Suitable metal supports shall be incorporated to guide/tie the control wiring and neat dressing thereof. All unused knock out holes/gaps shall be properly sealed. | Set | 1 | | |
| | | | | | |
| 1.d | **DG ON/OFF STATION**: Supply and installation of L & T Salzar make 6A Selector switch on suitable ready made CI /FRP Box for DG ON /OFF control. "DG CONTROL", START & STOP Position etc shall be marked neatly using good quality stickers/paint. | Set | 1 | | |

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| | - - - | | | | |
| 1.e | **MAINS INDICATION** : Supply and Installation of 3 nos. **L & T make** LED Indicators (R, Y & B) on suitable ready made indicator/push button box controlled by 3 nos. 6A Modular switches including wiring by 4x1 Sq.mm PVC insulated copper wire through 20mm medium guage PVC conduit for a length not less than 15 meters. (to be installed in Banking Hall in a indirectly visible from customer area). The switches shall be placed separately at user accessible heights for safe operation. | L.S | 1.00 | | |
| 2.b | **MSB- Type-2 – (VTPN - DB)**: Supply, Installation, testing and Commissioning of Double Door **VTPN DB** consisting of the following.<br>**Double door 6-way VTPN MCCB VDB**<br>**Incomer**<br>125A, 25kA , 4P MCCB with spreader 1 set<br>Outgoings :<br>63A, TP MCB (C-series) 2 SSB-1, Master S/w<br>40/25A, TP MCB (C-series) 2 UPS DB/SSB-2/ATM<br>25/20A, SP MCB (C-series) 3 UPS, NB, spare<br>16/10A, SP MCB (C-series) 3 ExFan, DG charg, spare,<br>160A COPPER Bus-bar for 3 phase 6 way<br>Complete with all inter connections and neat marking/identification of DB Name, Cable Size, I/C Breaker rating and outgoing MCBs . | Set | 1 | | |
| | | | | | |
| 3.b | **SSB-2 - (VTPN - DB):** Supply, Installation, testing and Commissioning of Double door VTPN MCB VDB consisting of the following.<br>**Double door 4-way VTPN MCB VDB**<br>**Incomer**<br>63A,100mA 4P RCCB + 63A MCB C-series 1 set<br>Outgoings :<br>40A, TP MCB (C-series) 1 nos to UPS,spare<br>25A, TP MCB (C-series) 2 nos to<br>32A, SP MCB (C-series) 1 nos to NB, DG charger,<br>16A, SP MCB (C-series) 2 nos to UPS.Ex Fans, ext Lighting<br>100A COPPER Bus-bar for 3 phase 4 way<br>Complete with all inter connections and neat marking/identification of DB Name, Cable Size, I/C Breaker rating and outgoing MCBs . | Set | 1 | | |
| | | | | | |
| 4 | ACDB – (VTPN - DB): Supply, Installation, testing and Commissioning of Double door VTPN MCB VDB consisting of the following. | Set | 1 | | |

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| | **Double door 4-way VTPN MCB VDB**<br>**Incomer**<br>63A,100mA 4P RCCB +63A MCB C-series 1 set<br>Outgoings :<br>40A, TP MCB (C-series) 1 nos to ODUs<br>25A, TP MCB (C-series) 1 nos to ODUs<br>32A, SP MCB (C-series) 4 nos to IDUs ACs<br>16A, SP MCB (C-series) 2 nos to 1Tr,1.5Tr Acs<br>100A COPPER Bus-bar for 3 phase 4 way<br>Complete with all inter connections and neat marking/identification of DB Name, Cable Size, MCCB rating and outgoing MCBs . | | | | |
| | | | | | |
| 5 | PDB: Supply, Installation, testing and commissioning of Double door TPN MCB DB consisting of the following.<br><br>**Double Door 6-way TPN MCB DB**<br>Incomer:<br><br>40A,30mA 4P RCCB + 40A MCB C-series 1 set<br>Outgoings :<br>10A, SP MCB (C-series) 12 nos<br>6A, SP MCB (C-series) 6 nos<br>Complete with all inter connections and neat marking/identification of DB Name, Cable Size, MCCB rating and outgoing MCBs, and all vacent modules with necessary dummy plates | Set | 1 | | |
| | | | | | |
| 6 | LDB: Supply, Installation, testing and Commissioning of Double door SPN MCB DB consisting of the following.<br><br>**Double Door 6-way TPN MCB DB**<br>Incomer :<br>32A,30mA FP RCCB + 32A MCB (B-series) 1 set<br>Outgoings :<br>10A, SP MCB (B-series) 6 nos<br>6A, SP MCB (B-series) 12 nos<br>Complete with all inter connections. 6 WAY | Set | 1 | | |
| | | | | | |
| 7 | **ATM MAIN DB :** Supply, Installation, testing and commissioning of Double door (8+4way) VTPN MCB DB consisting of the following.<br>**Double door 4-way VTPN MCB VDB**<br>Incomer:<br>40A,30mA 4P RCCB +40A MCB C-series 1 set<br>Outgoings : | Set | 1 | | |

| | | | | | |
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| | 32A, TP MCB (C-series) 1 nos<br>20A, SP MCB (C-series) 6 nos<br>6A, SP MCB (C-series) 3 nos<br>4 WAY<br>Complete with all inter connections. | | | | |
| | | | | | |
| 8 | **UPS CHANGE OVER PANEL:** Supply erection testing and commissioning of 2 Nos. 40A rotary type change over switch in suitable metal box with 4 Nos. LED indicator for input / output identification. UPS Output change over switch board. Complete with all inter | Set | 1 | | |
| | | | | | |
| 9 | **COMPUTER DB**: Supply, erection, testing and commissioning of wall mounted type double door dust and vermin proof SPN MCB DB fixed on wall comprising the following: | | | | |
| a. | **COMPUTER DB-TYPE -1**<br>**Double Door 12- way SPN DB**<br>Incomer :<br>32A,100mA 2P RCCB + 32A MCB C-series 1 High immunity RCCB<br>Outgoings :<br>10A, SP MCB (C-series) 2<br>6A, SP MCB (C-series) 6<br>Complete with all inter connections. | Set | 2 | | |
| | | | | | |
| b. | **COMPUTER DB-TYPE -2 (ATM/NB)**<br>**Double Door 8- way SPN DB**<br>Incomer :<br>25A,100mA 2P RCCB + 25A MCB C-series 1 High immunity RCCB<br>Outgoings :<br>16A, SP MCB (C-series) 1<br>6A, SP MCB (C-series) 3<br>Complete with all inter connections and neat marking/identification of DB Name, I/C Cable Size and outgoing MCBs using good quality stickers /paint. | Set | 2 | | |
| | | | | | |
| 10 | **LOCAL CONTROL DBs :** Supply and installation of following size MCB/ RCCB in suitable metallic enclosure for UPS / AC/ DG Charger/ | | | | |
| a. | Supply and installation of 40 A FP MCB in suitable metallic enclosure for AC/ UPS I/P | Set | 4 | | |
| b. | Supply and installation of 25/32/40 A DP MCB in suitable metallic enclosure for AC/UPS I/P | Set | 4 | | |
| c. | Supply and installation of 32A,30mA,DP RCCB in suitable metallic enclosure for DG Battery Charger | Set | 6 | | |
| d. | Supply and fixing of 40 A 30/100mA FP RCCB in metallic enclosure for earth leakage protection of AC ODUs/UPS | Set | 2 | | |

| | | | | | |
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| 11 | **OUT DOOR DBs:** Supply and installation of suitable weather proof enclosure for local control of outdoor equipments -viz; air conditioners, shutter motor,etc | | | | |
| a. | Supply and installation of 40/63A FP MCB (C-series) in suitable weather proof enclosure(IP65) for local control of 3-ph air conditioners. | Set | 3 | | |
| b. | Supply and installation of 10/20/32A DP MCB in suitable weather proof enclosure(IP65) for local control of 1-ph air conditioners./NB | Set | 2 | | |
| | | | | | |
| 12 | Master Control Arrangement for the branch | | | | |
| a. | **MAIN SWITCH** : Supply and Installation of 80A 16/25 kA 4 pole MCCB (with operating handle) and with suitable Metallic enclosure.before SSB The MCCB should be provided with spreaders | Set | 1 | | |
| 13 | **CABLE LAYING AND TERMINATIONS:** Supply, laying and dressing of the following size of 1.1 KV grade **XLPE** insulated armoured cable with aluminium conductor concealed or clamped on wall / ceiling / trench / cable tray if necessary. | | | | |
| a | 3.5x50 Sq.mm A2XFY | m | 80 | | |
| b | 3.5x35 Sq.mm A2XFY | m | 60 | | |
| c | 4x25 Sq.mm A2XFY | m | 30 | | |
| d | 4x16 Sq.mm A2XFY | m | 60 | | |
| e | 4x10 Sq.mm A2XFY | m | 72 | | |
| f | 3x6 Sq.mm 2XWY | m | 30 | | |
| g | 3x1.5 Sq.mm 2XWY | m | 80 | | |
| | | | | | |
| 14 | End termination of the following size of cables using flange type cable glands and heavy duty tinned aluminium crimping type cable sockets including gland earthing. | | | | |
| a | 3.5x50 Sq.mm A2XFY | set | 4 | | |
| b | 3.5x35 Sq.mm A2XFY | set | 6 | | |
| c | 4x25 Sq.mm A2XFY | set | 4 | | |
| d | 4x16 Sq.mm A2XFY | set | 4 | | |
| e | 4x10 Sq.mm A2XFY | set | 8 | | |
| f | 3x6 Sq.mm 2XWY | set | 6 | | |
| g | 3x1.5 Sq.mm 2XWY | set | 6 | | |
| | | | | | |
| 15 | **GI - CABLE TRAY**: Suppy and installation of medium duty GI Ladder type cable tray of following size. (Rate shall be inclusive of all bends supports,etc. And supports to be not more than 1000mm apart)<br>i) mm300x50mm(WxH) | m | 20 | | |
| 16 | **EARTHING AND LIGHTING PROTECTION** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| a. | Supply and providing ISI pipe earthing as per IS 3043 with 2.5m long 40mm dia B class G.I. pipe providing GI clamp at the top of the GI pipe test joint, filling around the GI pipe at the radius of 15cm with homogeneous mixture of charcoal, common salt and river sand up to height of 2.5m from the bottom and the rest of the portion with excavated soil, providing brick work masonries, plastering, fixing cast iron cover of 30x30cm size etc. complete. (USe only SS Nuts, Bolts and washers along with copper sockets for giving connections). | Set | 7 | | |
| b. | Making of Copper plate(600mmx600mmx3mm) Earth-pit as per IS 3043 complete with charcoal, funnel set etc., including making of 450 x 450mm brick masonary chamber with CI / stone / fabricated / RCC cover with lifting handles stone / fabricated / RCC cover with ligting handles etc., complete as required.(USe only SS Nuts, Bolts and washers along with copper sockets for giving connections). | Set | 1 | | |
| c. | EARTH CONDUCTORS Supply and laying of the following size of bare copper conductor along with above cables, for interconnections between panels, DBs, change over switches etc.and also for interconnections between earth pits.<br>(i)No.10 SWG (rate for single run) (along with cables from MSB upto DB)<br>Note: Two runs of No.10 SWG along power cable for each DB if DBs are placed at different locations. Total 2 runs of No.10 SWG with interlinking for 2 DBs placed nearby. Total 3 runs of No.10SWG with interlinking for 3 or 4 DBs placed nearby. | m | 520 | | |
| d. | No.8 SWG (rate for single run) | m | 80 | | |
| e. | No.4 SWG (rate for single run) thru PVC Pipe (DG Earthing) | m | 120 | | |
| f. | Supply and providing tinned copper earth bench using 25 x 3 mm copper strip (25 Cm in length) | Set | 5 | | |
| | | | | | |
| 17 | **WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC** :POINT WIRING Supply and wiring for light/fan/exhaust fan/calling bell/mirror lamp/bulk head light/wall fans etc.with 3 plate ceiling rose and by using 3 X 1.0 Sqmm FRLS PVC insulated copper conductor wire in 20mm dia 1.5mm thick rigid PVC conduit, controlled by 6 Amps modular type switch with provisions for modular type ceiling fan regulator on separately fabricated MS Box. The M. S. box should be earthed properly. One way point. (The switch boards shall be placed at user friendly locations for easy ON/OFF. Separate controls for EB/UPS lights for BM cabin and Cash Officer. All other counters including 1 row of customer area, 2 SBs + UPS SB on back side wall of counters. Separate SB near entrance & Visitors lounge).<br>**Ceiling height (~m)** | | | | |
| a. | One-way point : Single light point controlled by a 6 Amp switch. | Nos | 89 | | |

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|---|---|---|---|---|---|
| b. | each Secondary light point connected to the single light points controlled by a switch. | Nos | 32 | | |
| c. | 2-WAY controlled lighting point for staircase, C switch etc. | Nos | 1 | | |
| d. | 6A, 3 pin modular socket on suitable metal box for wall fan / AC IDU | Nos | 12 | | |
| e. | Supply and Installation of step type modular electronic regulator -5 step suitable for BLDC fans | Nos | 10 | | |
| | | | | | |
| 18 | Supply and fixing of Modular type **5A** 3pin plug points controlled by 5A modular switch mounted on suitable box (on common switch board) only in Strong room, Record/ Stationary rooms / Pantry/Ladies room/ ups room/ | Nos | 16 | | |
| 19 | Supply and fixing of Modular type **5A** 3 pin plug points with **5A** modular type switch in separate location. | Nos | 15 | | |
| 20 | **Raw Power Switch Box** : Same as above but for **2 Nos**. modular type **5 A** 3 pin plug points in separate location. (one each in nodes, both sides of cash cabin des etc) | Nos | 14 | | |
| 21 | Supply and fixing of modular type 15A plug socket with 15A modular type switch mounted on suitable Box. .(for Mgr cabin, Cash Cabin, Pantry, Water cooler, AC s, etc as advised) . | Nos | 6 | | |
| 22 | Supply and installation of combined 5A modular plug socket with 5A modular switch & 15A combined modular plug socket with 15A modular switch in single box.(for EB supply at cashier counters / Manager cabin/UPS for ATM) | Nos | 3 | | |
| 23 | Supply and providing 6/16 A plug top and 1.5m long 3 core 2.5Sqmm flexible copper cable for taking incoming supply from 6/16A socket. (For Raw Power & UPS power supply to Strong room (Cash), Record Rooms and Water Pump. The 3 core cable shall be laid through braided hose (green) with supporting clamps placed inside strong room/locker room/record room for safe keeping of connecting cable. | Nos | 6 | | |
| 24 | Supply and Installation of **25A** Modular type 3 pin plug socket with suitable metallic box for air curtain/ air conditioners. | Nos | 3 | | |
| 25 | Supply and Installation of **20A /32A** Modular type **DP** switch having indicator with suitable metallic box for the local control of the air conditioners/air Curtain. | Nos | 6 | | |
| 26 | Supply and installation of 25/32A combined Power plug & 16/20/32A SP MCB in suitable PVC/metallic box. for ATM UPS Input-2 Nos. & ATM AC stabiliser Input-1 No.. | Nos | 5 | | |

| | | | | | |
|---|---|---|---|---|---|
| 27 | **UPS Power Stations**::: Supply, install, test and commissioning of computer power stations with 4 Nos. 6A modular type two module 3 pin sockets mounted on suitable PVC / M.S.Box. The boxes should be fixed on wall / partitions (wooden) consealed or open as required at site. (2 Sets per table / counter including BM and cash officer) | Nos | 20 | | |
| 28 | Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for Data Kraft rack / I/O Rack/ATM) | Nos | 2 | | |
| 29 | Same as above but for 2 Nos. modular type 6 A 3 pin plug points with 2 nos. 6A modular type switch with indicator in separate location.(for countrers, Head cashier , etc on wall panel/ partition - Above the tabe and on wall for token machine, CCTV, TV etc) | Nos | 6 | | |
| 30 | Same as above but with 3 nos 6A modular socket controlled by 1 no16A Modular switch on the same box. (for Data Rack table / back side BM cabin - above side table. | Nos | 4 | | |
| 31 | Supply, install, test and commissioning of 16A modular type master switch with indicator with suitable PVC box for the main control of UPS & raw Power Station in the Tables. (1 each for UPS Power and Raw Power per counter or table irrespectice of number of power stations) | Nos | 34 | | |
| 32 | Supply & Installation of dual USB charger oulets controlled by 6A switch -having 1nos C-type and one A-type USB ports (in Privillage lounge/ Hall) | Nos | 2 | | |
| 33 | **CIRCUIT WIRING:** Supply and wiring wall / floor etc. / recessed / surface as per colour code with 3 runs of 1.1KV grade 1.5 Sqmm PVC insulated flexible copper wire for phase neutral and earth conductor with standard colour coding, through ISI marked 20mm dia(medium) rigid PVC conduit with all accessories. The rate includes the cost of complete wiring from switch box to switch box. THE WIRING SHALL BE DONE CONSEALED . (For lighting circuit, sub circuit & outside lighting.) | m | 520 | | |
| 34 | Same as above but with 3 x 2.5 Sq.mm PVC Insulated copper wire(FRLS Type).(for lighting main circuit, 15A plug points & UPS point wiring ) (power circuit to VRF IDUs) | m | 710 | | |
| 35 | Same as above but with 3 X 4sqmm. PVC insulated copper wire(FRLS Type). (for 1.5 / 2 T AC and UPS Out put COS to computer DB and for the Name Boards if there are multiple name boards or extra ordinary lengthy– Name Boards ) | m | 20 | | |
| 36 | Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire through rigid conduit (32mm) on wall and flexible conduit on floor for UPS Input.(4m length x 2 UPS) , AC input 3Tr/ 4Tr inv AC | m | 14 | | |
| 37.b | Same as above but with 4 x 4Sq.mm with 2 x 2.5 sq.mm (for3ph 4T inverter AC units) | m | 70 | | |

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|---|---|---|---|---|---|
| 38 | Same as above but with 4 x 6 Sq.mm with 1 x 4 sq.mm (for3ph UPS input) | m | 10 | | |
| 39 | Same as above but with 4 x 10 Sq.mm + 1 x 6 sqmmPVC Insulated copper wire through rigid conduit on wall of 38mm dia | m | 20 | | |
| | | | | | |
| 40 | PVC CONDUITS:Supply and Fixing of following sizes of FRLS PVC conduit along with the accessories in surface in ceilling/ recess in walls, flooring including cutting the wall / floor etc., and making good the same in case of recessed conduit as required. | | | | |
| a. | 32mm dia. Conduit (Medium) | m | 2 | | |
| b. | 25mm dia. Conduit (Medium) | m | 4 | | |
| c. | 20mm dia. Conduit (Medium) | m | 4 | | |
| | | | | | |
| 41 | **LIGHT FIXTURES & FANS** | | | | |
| a | Supply and Installation of 36~40W 600mmx600mm Square recess mounting (gypsum board ceiling) LED type luminaire (including required fixing frame, chain for suspending fron RCC ceiling)-Philips,Wipro, Osram 595mmx595mm cut out -6500 K | Nos | 22 | | |
| b | Supply & installation of 22 ~18 Watts DLED type LED light fitiing with lamps and white reflector on false ceiling ( UPS Light points) - ~ 200mm cut out /6500 K | Nos | 14 | | |
| c | Supply & installation of 13~15 Watts DLED type LED light fitiing with lamps and white reflector on false ceiling - ~150mm cut out | Nos | 10 | | |
| d | Supply & installation of 9~10 Watts DLED type LED light fitiing with lamps and white reflector on false ceiling - ~125mm cut out | Nos | 26 | | |
| e | Supply and Installation of minimum 5m lenght flexible LED strip lights of ~4.8w/m in false ceiling coves of Blue / warm White shades with necessary LED driver | m | 40 | | |
| f | Supply and Installation of aluminium boby profile lights (20mm wide with necessary luninire and accessories (including required fixing frame ) -Wipro, HPL, crompton/ passolite, Orcus, Philips, equivalent (250+ LED per meter) | m | 60 | | |
| g | Supply and fixing of 2~3 watts LED spot lamp / swivel downlight - warm light for photoframe / decor lighting | Nos | 6 | | |
| h | Supply and fixing of 1 X 20W LED Batten light (4'/~1100mm) set on wall /ceiling. Slim with metal body | Nos | 32 | | |

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|---|---|---|---|---|---|
| i | Supply and fixing of 1 X 10W LED Batten light (2'/~560mm) set on wall /ceiling. Slim with metal body | Nos | 4 | | |
| j | Supply and installation of 6W LED Bulkhead Philips Endura | Nos | 8 | | |
| k | Supply and Installation of 36~40W 2'x2' suirface mount ceiling hanging type (including required fixing frame ) -Wipro, HPL, Havells, Orcus, Philips/ etc | Nos | 1 | | |
| l | Supply and Installation of 36~40W out door type street light fixture LED including required fixing frame/pipe, ) -Wipro, HPL, Havells, Orcus | Nos | 1 | | |
| m | Supply & installation of calling bell | Nos | 2 | | |
| n | Supply and installation of 9" size Heavy duty exhaust fan. (Toilets/ dinning) | Nos | 3 | | |
| o | Supply and installation of 12" size Heavy duty exhaust fan. (UPS Room) | Nos | 2 | | |
| p | Supply and Installation of 400~440 mm sweep wall fan. 3pin model | Nos | 2 | | |
| q | Supply amd installation of 1200mm sweep ceiling fan. **5 star rated**. (High Speed) | Nos | 10 | | |
| r | Supply and providing fan rod with painting (upto 1m length) (other than that supplied with fan and if required) | Nos | 10 | | |
| s | Supply and providing fan hook on ceiling. | Nos | 10 | | |
| t | Supply and installation of 9W LED bulb with suitable batten holder (Toilets & UPS light points) | Nos | 8 | | |
| 43 | **MISCELLANEOUS WORKS:** Supply and installation of equipments/ charts/ drawgs as per latest BIS/ KSERC/ CEIG regulations/ PIR-SENSORS/timers/etc | | | | |
| a. | Electrical safety - insulating mates (LT grade) : IS 15652 3.3kV grade 2mm thick 1.8mx.0.9m | Nos | 2 | | |
| b. | Supply and fixing of wooden/steel framed Shock Treatment chart with glass of Standard size. (UPS room & Near VDB)No Admission boards- as per standards | Set | 1 | | |
| c. | Supply and fixing of LT DANGER BOARD Sticker (Red back ground with white letters and size of Min. 15x10 Cms) (on All DBs & UPS Room Door) | L.S | 1 | | |

| | | | | | |
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| d. | Marking of Panels, DBs, its switch and fuse ratings, cable size, location etc (Neat identification from top to extreme load end of both light and power distribution including EB / UPS plug sockets and generator switch boards) using white / black paint and stencil. (free hand writing not allowed). Good quality stickers may also be used. | L.S | 1 | | |
| e. | Charges for Preparation of SLD (Single Line Diagram) , Network diagram of the whole electrical & LAN installations using AutoCAD, Lamination and displaying it inside the UPS room. (Size – A3 /A2/A1). .( Copy of final as fitted drawing approved by Electrical Inspectorate. both schematic and layout drawings.) | L.S | 1 | | |
| f. | Service charge for liaison work with KSEB authorities on behalf of bank for submission of completion report & getting order for statutory payments, shifting/replacement of suitable energy meter if necessary with DISCOM. | L.S | 1 | | |
| g. | Charges for prepartion of necessary drawings, payment of statutory fees (fees will be reimbursed by the Bank on production of receipts), submission to the Kerala State Electrical Inspectorate for getting the scheme approval and energisation sanction order for the electrical installation including the Diesel Generator Set up to **40kVA**. | L.S | 1 | | |
| h. | SITC of PIR Sensor (Hagger/ Philips) makes for toilets, common area/ record etc to control the lighting. | set | 4 | | |
| i. | Supply and Installation of **Protonics/L&T/Legrand** make Dual Timer for Branch Board Light & Outside lights / ATM Board Light & Raw power lights. | Nos | 2 | | |
| j. | Supply and Installation of **Protonics/L&T/Legrand** make single Timer for Branch Board Light & Outside lights / ATM Board Light & Raw power lights. | Nos | 2 | | |
| | PART - A TOTAL AMOUNT IN FIGURES | | | | |
| **PART-B** | **TELEPHONE WIRING** | | | | |
| 1 | Supply and wiring using twin pair telephone cable (0.5mm2) in 20mm PVC conduit from the KRONE Box to the individual points. One separate cable for each point. Number of cables in one conduit limited to 5. | | | | |
| a. | 2 pair telephone cabling | m | 710 | | |
| b. | 20 pair telephone cabling | m | 10 | | |
| 2 | Supply and fixing of RJ 11 type modular telephone socket on suitable PVC / metal boxes. | | | | |
| a. | Telephone socket - single (modular type) | Nos | 14 | | |
| b. | Telephone socket - double (modular type) | Nos | 1 | | |

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|---|---|---|---|---|---|
| 3 | Supply and installation of KRONE connector telephone junction box of 40 pair (double door type). | Set | 1 | | |
| | PART - B TOTAL AMOUNT IN FIGURES | | | | **0** |
| **PART-C : PA & MUSIC SYSTEM** | | | | | |
| 1 | Supply and wiring as per colour code transparent speaker cable 1.50sqmm PVC insulated stranded copper wire 2 runs through ISI grade 20mm conduit for speakers. | m | 160 | | |
| 2 | Supply and providing 9W recessed type speakers on ceiling CS 663 T Ahuja make speaker. | Nos | 8 | | |
| 3 | Supply and installation of Ahuja make 50W Amplifier with USB port. Model: Ahuja DPA 570 | Nos | 1 | | |
| | PART - C TOTAL AMOUNT IN FIGURES | | | | |

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|---|---|
| PART - A | |
| PART - B | |
| PART - C | |
| | |
| Grand TOTAL | |