

# STATE BANK OF INDIA THIRUVANANTHAPURAM CIRCLE

INVITES TENDERS AS UNDER:-

#### **TENDER NOTICE**

TENDER NOTICE				
NIT No.			THI/2024-25/RBO/3TCR/ELE/01	
BIDDING SYSTEM			TWO BID SYSTEM TECHNICAL BID- (OFFLINE MODE) PRICE BID- (ON LINE MODE)	
WEBSITE FOR DOCUMENTS	R DOWNLOADIN	G TENDER	https:sbi.co.in under link "SBI in the News+Procurement News"	
WEBSITE FOR	ONLINE SUBM	ISSION OF BIDS	https://etender.sbi	
	TECHNICAL &	PRICE BID		
	EMD		COVER-1 TECHNICAL BID) IN PHYSICALFORM at the OFFICE OF REGIONAL MANAGER SBI RBO3, Thrissur.	
METHOD OF SUBMISSION			Price bidding will be done online through Bank's e-tendering portal https://etender.sbi. The bidder shall register himself in the portal, prior to the date of e-tendering and obtain used ID & Password for logging in. The bidder shall contact M/s. e-Procurement Technologies Ltd for any assistance.	
TYPE OF WORK: CHO			ORKS AT THE NEW PREMISES OF SBI ADI BRANCH UNDER CHOWALLURPADI,	
LOCATION:		CHOWALLURP	CHOWALLURPADI, THRISSUR	
ESTIMATED WORK	VALUE OF	Rs.7.5	58 Lacs Plus GST as applicable	
AVAILABILITY	IN WEBSITE	From 10.01.2025 to 17.01.2025		
LAST DATE FOR SUBMISSION OF TECHNICAL BID IN COVER-I AND EMD		03.	00 PM (IST) ON 17.01.2025	
Address for submission of Technical Bid		The Regional Manager, RBO - 3, 4th Floor, Sun Towers, East Fort, Jubilee Mission P O, Thrissur- 680005. e-mail: rm3tcr.aotcr@sbi.co.in		
OPENING OF TECHNICAL BIDS		03	:30 PM (IST) ON 17.01.2025	
SUBIMISSION & OPENING OF PRICE BIDS		W	/ill be intimated separately	
COMMENCEMENT OF WORK WIT		WITHIN 3 DAY	VITHIN 3 DAYS FROM THE DATE OF ALLOTMENT OR AS SPECIFIED IN NIT	
COMPLETION OF WORK		30(Thi	O(Thirty ) DAYS FROM THE DATE OF	

	COMMENCEMENT
	Rs.7600/- (Rupees Seven Thousand Six Hundred Only) in the
EARNEST MONEY DEPOSIT	form of DD in favour of 'Regional Manager, State Bank of India,
	Payable at the location of the respective RBO.
MINIMUM VALUE OF WORK FOR INTERIM PAYMENT	Rs. 5 Lacs + GST
AO/RBO CONCERNED	RBO3, THRISSUR
For technical clarification and	Electrical Engineer
drawings please contact	Mob : 9497178965

The Regional Manager, RBO - 3, 4th Floor, Sun Towers, East Fort, Jubilee Mission P O, Thrissur- 680005. e-mail: rm3tcr.aotcr@sbi.co.in

### **A. NOTICE INVITING TENDER**

Tenders are invited as stated in the Tender notice fulfilling the eligibility criteria from the Empaneled electrical contractors of SBI Thiruvananthapuram Circle for execution of work. "Name and Location" as stated in the Tender notice.

1	Estimated cost of Work	As stated in Tender Notice
2	Eligibility of the Bidder	Contractors empanelled with "State Bank of India, Thiruvananthapuram Circle for works costing equal to or more than the estimated value of work.     Other Eligibility Criteria, if any, specified.     Submission of Technical Bid in Cover-I along with EMD
3	Completion Time	As state in Tender notice
4	Commencement of work	As state in Tender notice
5	Earnest Money Deposit (EMD) to be submitted physically before the due date)	As state in Tender notice
7	Tender documents available for download from the websites	As stated in Tender Notice
8	Availability for download from the above web site	As stated in Tender Notice
9	Last date and time for submission of online price bids in e-tender portal	As stated in Tender Notice
10	Last date and time for submission of EMD in physical form.	As stated in Tender Notice
11	Date and Time of opening of Tenders:	As stated in Tender Notice. (after opening and verification of the technical bids, date for online price bid submission of technically qualified vendors will be intimated. Technically qualified Bidders need to submit the bid in etender.sbi on the intimated date
12	The tender will be summarily rejected if the Bidder	Failed to submit the EMD     Partly or fully Modifies, alters or corrects the tender document uploaded by M/s SBI
13	Validity of tender	90 days from the date of submission of price bid.
14	Rates quoted by bidder	<ol> <li>The quoted rate should be inclusive of Cost of materials, transport, loading, unloading charges, cost of installation, all taxes (excluding GST), wastage, machinery, temporary works such as scaffolding, cleaning, overheads, contractor's profit, statutory expenses, incidental charges and all related expenses required for the proper completion of the work.</li> <li>Additional claims other than the quoted amount will not be entertained.</li> <li>The quoted rates shall be firm throughout the completion of the project</li> </ol>
15	Additional information for bidding	<ol> <li>The make of materials should be chosen strictly from the preferred makes as given in the tender.</li> <li>Any clarifications sought after opening of the tenders will not be entertained at any cost. Firm should visit the website till last date of submission for</li> </ol>

		changes/ corrigendum, if any 3. The SBI reserves the right to cancel or postpone the tenders at any stage without assigning any reason. 4. Claims for revision of the Quoted price by any bidder after the tender will not be entertained.
16	Initial Security Deposit (ISD)	2% of the Contract value which including EMD to be submitted by the successful bidder after allotment of work as stated in the Tender document or as per prevailing rules.
17	Payment terms	<ul> <li>i) No advance payment.</li> <li>ii) No part payment if value of the awarded work is less than Rs 5 lakhs</li> <li>iii) 100% payment after completion of the work subject to deductions as applicable.</li> </ul>
18	Value of work to be taken for issue of interim certificate for payment, if any	As stated in Tender notice
19	Tax Deduction	Income Tax, GST –TDS, Labour Welfare Fund etc as applicable at applicable rates.
20	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 the Contract value or as per prevailing rules.
21	Total Security Deposit	5% of the contract value including Initial Security Deposit of 2% and Retention Money of 3% of the contract value.5 % of contract value which includes ISD and the same will be retained till the completion of the work as state in the Tender document or as per prevailing rules.
22	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 value subject to maximum of 5% of the contract amount.
23	Defects Liability Period	12 Months from the date of completion or commissioning and handover of the work.
24	Check list of documents to be submitted (shall be submitted offline)	<ol> <li>Proof of Empanelment with SBI in the respective category</li> <li>Technical bid. (Pages 1-52 to be submitted in Cover-I)</li> <li>EMD/ MSME UDYAM Registration Certificate</li> </ol>
25	For any clarification and drawings please contact	As stated in Tender notice
26	For any queries or support in connection with the online seal bidding process, please contact our E-procurement solutions agency	M/s. e-Procurement technologies Limited, B704, Wall Street 2, Ahmedabad, Gujarat - 380006. (Details of Contact persons shown below)

SBI reserves the right to accept or reject any or all bids without assigning any reasons whatsoever, even after opening of the bids.

#### Regional Manager, SBI, RBO3, THRISSUR

In case of any query related to e-tendering, contact EPTL for support on below contact details:

Working Hours: Monday to Friday - 10:00 AM to 07:30 PM (IST)

1st, 3rd and 5th Saturday - 10:00 AM to 06:00 PM (IST)

2nd and 4th Saturday - Holiday

#### **Primary Contact:**

Ms. Geeta Gautam, geeta@auctiontiger.net, +91 7990334460

For Escalations: Mr. Vishal Tiwari, vishal@eptl.in, +91 9081000235

#### For Registration / DSC Verification / Profile Approval:

Sonu Tank, Sonu@abcprocure.com, +91- 63532 17080

Satabdi Dey, Satabdi@abcprocure.com, +91- 90990 90830

For Escalations: info@abcprocure.com

#### For e-Auction Support:

Safwan Ansari, Safwan@eptl.in, +91 - 98799 96111

Komal Dave, Komal.d@eptl.in, +91 - 99044 07997

For Escalations: <u>Support@abcprocure.com</u>

#### For e-Tender Support:

Nandan Valera, Nandan.v@eptl.in, +91 - 90810 00427

Fahad Khan, Fahad@eptl.in, +91 - 99044 06300

Dinesh Bagresha, <u>Dinesh.bagresha@eptl.in</u>, +91 - 9510812960

Devendra R, Devendra.r@eptl.in, +91 - 95108 12971

Nikhil Khalas, Nikhil@eptl.in, +91 - 93745 19729

For Escalations: Support@abcprocure.com

#### **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:

- i) "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.
- ii) "Bidder" means an eligible entity/ firm submitting the Bid.
- iii) "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.
- iv) "Vendor/ Contractor" is the successful Bidder to whom the work has been awarded.
- v) "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.
- vi) "The Material/ Product" means all the materials along with the accessories which the contractor is required to supply to the Bank under the Contract.
- vii) "The Works/ Project" shall mean the works to be executed or done under this contract.
- viii) "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.
- ix) "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 versa where the Context requires.

#### 2.0 SCOPE OF THE WORK

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

#### 3.0 ELIGIBILITY CRITERIA

- 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.
- 3.3 Submission of EMD(If any) in physical form within due date and time.
- 3.4 The EMD, Letter of Empanelment along with technical Bid in Cover-I including Price Bid format (**price bid not filled with rates**) in Physical for shall be submitted in a sealed envelope superscribed on top as "**TENDER FOR ELECTRICAL WORKS AT THE NEWPREMISES OF SBI CHOWALLURPADI BRANCH UNDER RBO3, THRISSUR**" and addressed to the Regional Manager (SBI,RBO3, Thrissur) and dropped in the tender box kept at the following address or send so as to reach the following address, on or before the scheduled date and time:

Regional Manager, SBI RBO3, Thrissur.

#### 4.0 METHOD OF TENDERING

- 4.1 The Technical bidding process shall be conducted in offline mode only.
- 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
  - Price Bid
- 4.3 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:
  - Price Bid
  - General Conditions of Contract
  - Notice Inviting Tender (NIT)

Technical bid along with EMD shall be submitted manually at the Office of Regional Manager SBI, RBO3 THRISSUR

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

#### 5.0 TENDER VALIDITY

5.1 The tenders submitted shall remain valid for acceptance for a period of Ninety days from the last date of submission for price bid. Should any tenderer withdraw his tender the tender before the expiry of the said period of makes any modifications to his tender, his EMD will be forfeited

#### 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 and e-tender portal 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, for taking the amendment into account.
- 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 gueries 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. Queries received after the scheduled date and time will not be responded/ acted upon.

#### 7.0 EARNEST MONEY DEPOSIT (EMD)

- 7.1 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.
- 8.2 The EMD shall stand absolutely forfeited :
  - a. if the finally selected bidder revokes his Bid at any time during the period when he is required to keep his Bid open for acceptance by the SBI

(or)

b. after the bid is accepted by SBI, the vendor refuses to enter into a formal agreement with the Bank

(or)

c. the bidder fails to pay the initial security deposit as stipulated

(or)

d. the bidder fail to commence the works within the stipulated time.

8.3 If the tendering process is delayed for any reason, the Bank will insist on the revalidation of the DD and the bidder has to get it revalidated and submit again.

#### 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 minus EMD in the form of DD/BC (as in the case of EMD) within two weeks of award of the work, and this amount along with the EMD amount shall form ISD and the same shall be kept as part of the security deposit. No interest shall be paid on the amount retained by the Bank as Security Deposit **Or as per prevailing rules.** 

#### 10.0 TOTAL SECURITY DEPOSIT (TSD/ SD):

- 10.1 Apart from ISD as mentioned above, Retention money shall be deducted from bills of the contractor @ 10 % of the gross value of the bill subject to a maximum of 5% (including the initial security deposit) of the contract value of the work. Security deposit shall not bear any interest. TSD= ISD (2%) + Retention Money (3%).
- 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 to do so, the cost of rectifying the defects through any other agency shall be deducted from the amount of security deposit 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.
- 10.5 Or as per prevailing rules.

#### 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 three days from the date of receipt of letter of intent 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.

#### 15.0 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, 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 of receipt of the communication and to enter into an agreement with the Bank.
  - **16.0** 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 shall be carried out by the contractor at his own cost before commencement of the work. No separate payment shall be made for dismantling and arrangement of existing counters for temporary functioning of branch.

#### 17.0 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) The location of the Panel, DBs, Meter Board, Earth Pits etc
- ii) Required civil work like making opening in the wall for cable entry, chipping the wall for concealing the conduits, DBs, space and provision for erection of panel
- iii) feasibility for laying the cables and its route
- iv) Security gate pass requirements
- v) Storage space for the materials
- vi) Permissible working hours at the site
- vii) any other adverse conditions or hindrance for executing the work
- viii) traffic regulations, law &order situations in the area
- ix) Whether work has to be executed in coordination with other agencies like Interior, 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. The SBI or Bank 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.

#### **18.0 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 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.
- 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.

#### 19.0 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/Electrical Consultants 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 Electrical Consultant / 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/ Electrical Consultants. If required, the contractor shall have to carry out tests on materials in approved materials testing laboratories or as prescribed by SBI/ Electrical Consultants 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/ Electrical Consultants 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.

#### 20.0 . PAYMENT TERMS

- i) No advance payment.
- ii) No part payment. For certain works, part payment will be considered if stipulated in the NIT.

- iii) Payment shall be made by way of Electronic fund transfer and the bill will be paid by the Branch.
- iv) 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// Electrical Consultant . 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
- 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 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.
  - 23.0 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.
  - 24.0 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.
  - **25.0** 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 in the appendix.
  - **26.0** The contractor has to undertake repairs/ rectifying the defects whatsoever during the defects liability period, failing which the security deposit shall be forfeited.
  - **27.0** The costs of the tests and of the materials and labour and equipment, involved in the testing operations shall be borne by the contractor.

#### 28.0 BID SUBMISSION

- 28.1 Only those bidders satisfying the eligibility criteria given in the NIT need to apply. Tenders should be submitted in offline mode only.
- 28.2 The bidders should sign and seal all pages of technical and price bid.
- 28.3 The bidder shall submit the documents enlisted in the checklist in the NIT in the hardcopy format. The SBI will not be held responsible for any sort of delay or the difficulties faced during the submission of bids offline by the bidders.
- 28.4 The documents submitted in the **Technical Bid should <u>NOT</u> contain any price information**. Such Bid, if received, will be rejected.
- 28.5 The qualified bidder shall submit his quotes **online at <u>https://etender.sbi.in</u> on the intimated date**. The price bid will be opened only if the Bid is **unconditional** and 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 The tenders must be submitted price bid in the prescribed bid format only.
- a. No modifications are permitted after quoting the rates. However, if errors are made, the bid shall be withdrawn and revised quote shall be submitted within the time allotted for bid submission.
- b. In the event of a discrepancy between rate quoted in figure and words, the rates quoted in figures shall be taken into consideration as the rate in words is auto populated based on the rate quoted in figures..

#### 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 disgualify 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 Only those Bidders who qualify in Technical evaluation would be shortlisted and the price bid submitted by such bidders only will be opened.
- 32.2 The L1 Bidder will be selected on the basis of net total of the price evaluation as quoted in the Online bidding.
- 32.3 In case if the lowest contractors who refuse to accept the bid after tendering, the EMD of such contractor shall be forfeited and the tenders shall be re-invited for the project. Such contractor shall not be allowed to participate in the retendering process of the work
- 32.4 Further, contractors submitting erratic and unreasonably low offers ie., below 25% of estimated cost, shall submit additional security deposit (equal to difference in estimated cost and final tender amount quoted) as Performance Guarantee in the form of "Unconditional Bank Guarantee" or Demand Draft favouring SBI.
- 32.5 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 SBI:

- 33.1 No Bidder shall contact SBI 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 SBI 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 personsfully trained and adequately experienced 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.
- 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 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 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 SBI or the Bank.
- 39.2 Shelter or stay and other amenities for the 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.
- 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 subcontractor, 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 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)

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i)		Payment of Wages Act. 1936 (Amended)
ii)		Work men's Compensation Act 1923 (Amended)
iii)		Contract Labour Regulation & Abolition Act 1970 and
,	Central Rules 1971 (Amended)	<b>9</b>
iv)	Comman realist for a (rumomasa)	Apprentice Act 1961 (Amended)
v)		Industrial Employment (Standing Order) Act 1946
•	(Amended)	, , , , , , , , , , , , , , , , , , , ,
vi)	,	Personal Injuries (Compensation Insurance) Act
	1963 and any other modification	S.
vii)		Employees' Provident Fund and Misc. Provisions Act
,	1952 and amendment thereof	
viii)		Shop and Establishment Act.
ix)		Any other act/ enactment relating thereto & rules
,	framed thereunder from time to time	ne.

• 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:

(a) 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, SBI RBO3 Thrissur, and endorse a copy of the same to the Electrical Engineer, 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 The Regional Manager, SBI RBO3 Thrissur, 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 Regional Manager, SBI RBO3 Thrissur in writing in the manner and within the time aforesaid.

- (b) The Regional Manager, SBI RBO3 Thrissur 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 Regional Manager, SBI RBO3 Thrissur submit his claims to the conciliating authority namely the Dy. General Manager (B&O), State Bank of India, Administrative Office, Thrissur for conciliation along with all details and copies of correspondence exchanged between him and The Regional Manager, SBI RBO3 Thrissur
- (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 SBI RBO3, Thrissur.

Dear Sir.

#### "TENDER FOR ELECTRICAL WORKS AT THE NEW PREMISES OF SBI CHOWALLURPADI BRANCH UNDER RBO3, THRISSUR"

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, RBO3 THRISSUR 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 SBI shall without prejudice to any other right or remedy be at liberty to forfeit the Earnest Money 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.

Yours Faithfully,	
Signature of the bidder with Stamp Name:	
Address:	
E. FORM OF AGREEMENT	
RTICLES of AGREEMENT made this day of year 2024 betw	
eferred to as the "Employer(Bank)" which expression shall, unless excluded by epugnant to the context, includes its successors and assigns) of the ONE Pand of	y or
Hereinafter referred to as "Contractor" unless excluded by or repugnant to the conncludes its successors and assigns) of the OTHER PART.	text,

WHEREAS the Employer intends to carry outand shall
herein after referred to as "Project".
AND WHEREAS for the purpose of the above said project, the Employer invited ONLINE Etenders from experienced, resourceful and bonafide contractors through SBI vide its Notice Inviting Tender (NIT) (No dated).
WHEREAS the contractor submitted his 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 through SBI has accordingly issued the work order (Nodated) 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
<ul> <li>NOW, therefore, it is hereby agreed to and between the parties as follows:</li> <li>1) Contract documents:- The following documents shall constitute the Contract Documents.</li> <li>I. This Article of Agreement.</li> <li>II. Tender Document submitted by the Contractor including the "said conditions", N.I.T and Schedule of quantities.</li> <li>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.</li> <li>IV. Work order Nodt</li></ul>
2) 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.
3) 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.

- 6) The Vendor / Contractor shall promptly notify SBI / Electrical Consultants 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.
- 7) 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 Shri.	d and delivered for and on	behalf of its duly authorized official, In the presence	of —
1.	(Name and Address)	tis daily admonaged official, in the presence	Oi —
2.	(Name and Address)		
Signed	d and delivered for and on	behalf of the Contractor his duly authorized representative, in t	by he presence of
1.	(Name and Address)		
2.	(Name and Address)		

#### Other Terms &Conditions:

- 1. 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.
- 2. The Bidder shall not divulge either his Bids or any other exclusive details of SBI to any other party.
- 3. SBI decision on award of Contract shall be final and binding on all the Bidders.
- 4. SBI reserve their rights to extend, reschedule or cancel any tendering within its sole discretion. SBI shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
- 5. SBI is not responsible for any damages, including damages that result from, but are not limited to negligence.
- 6. SBI will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

# G. APPENDIX TO CONDITIONS OF CONTRACT

1.	Name of the work	As stated in Tender Notice
2.	Date of commencement	Within 3 days from the date of receipt of letter of intent or the date of handing over of the site whichever is later
3.	Period of completion	As stated in Tender notice
4.	Value of work to be taken for issue of interim certificate for payment	As stated in Tender Notice
5.	Initial Security Deposit	2% of the contract value or as per prevailing rules.
6.	Total security deposit	5% of the contract value including Initial Security Deposit of 2% and Retention Money of 3% of the contract value or as per prevailing rules.
7.	Defect liability period	12 months from the date of completion
8.	Liquidated damages for delay in	½ % per week subject to maximum of 5% of the
	completion of work	value of work done
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
	CHECK LIST (TECHNICAL BID) (shall be submitted offline) 7. DD towards EMD 8. Letter of Empanelment 9. Technical Bid duly filled and signed with seal 10. Any other documents, if asked for	Yes / No Yes / No Yes / No Yes / No Yes / No

### H. PREFERRED MAKE OF MATERIALS TO BE USED:

	<u>.</u>	
<u>S1.</u>	Material Name.	Brand / Manufacturer / Recommended
<u>S1.</u> <u>No.</u>		<u>Make.</u>
1.	Modular Switches / Sockets / Electronic	Honeywell Horizon /MK Blenze / Legrand
	Fan Regulators etc.	Myrius /Schneider Opale/Hager Insysta
2.	Telephone/Computer Sockets	Honeywell Horizon /MK Blenze / Legrand
		Myrius / Schneider Opale/Hager
3.	1100V Grade PVC insulated FRLS Copper	Finolex / Polycab / V-Guard / RR Kable
	wires.	

4.	Telephone cables (0.5Sq.mm and above)	Finolex / Polycab / V-Guard / RR Kable	
5.	PVC conduits & Accessories	Precision / Avon plast / Atul /	
	19mm dia 1.5mm thick medium guage	Balco/Finolex	
6	HRC Fuse Unit / Open type Base units	L&T / GE	
7	MCB controlled combined power sockets	Legrand / Schneider / Hager / Siemens/	
	with box	Havells	
8	Surge Protector	OBO Bettermann	
9	Change Over Switch	Socomec / L& T/Legrand	
10	ATS (Automatic Transfer Switch)	Socomec	
11	Selector Switches	L & T Salzar/ Siemens	
12	MCBs / RCBO / RCCBS / MCB	Legrand/Hager/Schneider Acti9 / ABB /	
	Distribution boards (All should be same	Siemens / L & T	
	make among approved makes)		
13	MCCBs	Legrand / L&T / Hager / Schneider Acti9/	
		ABB	
14	,	L&T/GE	
15	HT / LT Under ground Cables	CCI /Nicco / POLYCAB / GLOSTER /	
		FINOLEX / V-GUARD	
16	Cable Glands	HMI /Comet	
17	ELRs/CBCT	Prokdvs / Nagoba	
18	Measuring Instruments	Prokdvs / Enercon/Elmeasure/Rishabh	
19	Indication Lamps LED (protected type)	Schneider/Vaishno / Binay / L&T	
20	Resign cast CTs	AE / Kappa	
21	CAT6 / RG 6 / RG 11	Lapp / Delton / National / Mazda.	
22	Light Fixtures	Philips / Osram/Wipro	
23	Ceiling Fans	Crompton High Speed/Atomberg BLDC	
24	Exhaust fans	Crompton / Usha / Orient / Almonard/	
		V-Guard	
25	Wall Fans	Crompton / Orient / Usha /Havells/	
		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
1	Panel shall comply with the latest Relevant Indian Standards and Electricity Rule and Regulations	IS-13947-1993
1	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)

1.	DBS	IS-13947-1993
1	The general construction for factory built assembled switchgear & control gear for voltage up to and including 1100 V AC	IS-8623-1977 (Part-1)
1	The degree of protection shall be IP-42 for indoor application, IP-55 for kitchen and IP-65 for outdoor application.	
1	Conduits for electrical installations, Part 3: Rigid plain conduits of insulating materials. General requirements [ETD 14: Electrical Wiring Accessories].	IS 9537-3 (1983)
1	Fittings rigid non-metallic conduits [ETD 14: Electrical Wiring Accessories]	IS 3419 (1989)

#### 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 / Consultant. 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. shall be installed in **flexible MS conduits**. Otherwise rigid conduits shall be used. PVC conduits shall not be used in outdoor system. Conduits shall be free from sharp edges and burrs and grease or oil shall not be used for the purpose of pulling the wire. 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 / Electrical Consultants. 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/ Electrical Consultants, 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:

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 mismatch is observed between the approved layout and the actual layout, please consult the SBI Engineer / Electrical Consultants 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 dori.

#### 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/ Electrical Consultants 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/ Electrical Consultants 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.

#### 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.

Chalk lines (geru powder cement colour removable type) are used to mark the cable tray route at the deck slab. After marking of supports location, drill the hole & install anchor fastener. 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/Electrical Consultant, 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 Electrical Consultant 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.

- 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 SBI 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 shall be submitted along with EMD ) in Cover-I, Technical Bld

#### FORM OF SUBMISSION OF TENDER

(ANNEXURE -II)

The Regional Manager SBI RBO3, Thrissur.

Dear Sir/s.

Ref: "TENDER FOR ELECTRICAL WORKS AT THE NEW PREMISES OF SBI CHOWALLURPADI BRANCH UNDER RBO3, THRISSUR"

I/We have examined the above tender and subsequent pre-bid clarifications/ modifications / revisions, if any, furnished by 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 bids at the Bank.

- 2. While submitting this Bid, I / We certify that:
- i) The undersigned is authorized to sign on behalf of the Bidder .
- ii) 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.
- iii) 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.
- 3. 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.
- 4. 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.
- 5. 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, M/s 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 Bank's website www.sbi.co.in. 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.

Signature of the bidder with Stamp_	
Name:	
Address:	

Yours Faithfully,

Contractor's seal & Signature

# (ANNEXURE -II)

# BRIEF DETAILS OF THE BIDDER

(To be filled by the bidder)

SL NO	PARTICU	LARS
1	NAME OF THE BIDDER	
2	MAILING ADDRESS WITH PINCODE	
3	TELEPHONE No.	
4	MOBILE No.	
5	E-MAIL ID	
6	PAN	
7	GST No.	
8	CONTACT PERSON WITH MOBILE/ PH No.	
9	Details of digital certificate holder (individual/ firm) whose digital certificate will be used for participating in the e-tendering OR Details of the person participating in etendering. a) Name:  b) Contact No: c) Email ID:	

# To be submitted without filling the rates and Amount PRICEBID FOR CHOWALLURPADI BRANCH: ELECTRICAL WORKS (ONLINE PRICEBID)

1 MAINS CHANGE OVER Supply and installation of 80A 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. (Mains Change Over)  2 MSB: Fabrication, Supply, Installation, testing and commissioning of wall mounting type dust and vermin proof cubicle type switch board made out of 16 SWG CRCA sheet with powder coated painting(siemens grey) and consisting of  80A,25KA TP MCCB as incomer  63A, 16 kA TP MCCB as outgoings -2 Nos. (To Essential and Non Essential DB)  25 x 6 mm Copper busbar for 3 phases and neutral.  3 nos. LED indicators for RYB indication : 2 sets ( each for KSEB & DG Set supply indication)  Multifunction LCD Display for Voltage, Current and Frequency for 3 phase-1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		New Chowallurpadi branch - Electrical V	Vorks	BOQ		
NO.    MAINS CHANGE OVER   Supply and installation of 80A 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. (Mains Change Over)    MSB: Fabrication, Supply, Installation, testing and commissioning of wall mounting type dust and vermin proof cubicle type switch board made out of '16 SWG CRCA sheet with powder coated painting(stemens grey) and consisting of 80A,25KA TP MCCB as incomer   63A, 16 kA TP MCCB as outgoings -2 Nos. (To Essential and Non Essential DB)   25 x 6 mm Copper busbar for 3 phases and neutral.   3 nos. LED indicators for RYB indication : 2 sets (each for KSEB & DG Set supply indication)   Multifunction LCD Display for Voltage, Current and Frequency for 3 phase-1 No.   2A SP MCB - 6 Nos. for control supply.   Complete with all interconnections.   1 Set   Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)   1 No   Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.   63A, 16KA MCCB as Incomer - 1 No.   32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)   6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		•			AMO	DUNT
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. (Mains Change Over)  2		DESCRIPTION OF WORK	QTY	UNIT	RATE	AMT.
MSB: Fabrication, Supply, Installation, testing and commissioning of wall mounting type dust and vermin proof cubicle type switch board made out of 16 SWG CRCA sheet with powder coated painting(siemens grey) and consisting of  80A,25KA TP MCCB as incomer  63A, 16 kA TP MCCB as outgoings -2 Nos. (To Essential and Non Essential DB)  25 x 6 mm Copper busbar for 3 phases and neutral.  3 nos. LED indicators for RYB indication : 2 sets ( each for KSEB & DG Set supply indication)  Multifunction LCD Display for Voltage, Current and Frequency for 3 phase-1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  1 Set  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (	1	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.	1	No.		
63A, 16 kA TP MCCB as outgoings -2 Nos. (To Essential and Non Essential DB)  25 x 6 mm Copper busbar for 3 phases and neutral.  3 nos. LED indicators for RYB indication : 2 sets ( each for KSEB & DG Set supply indication)  Multifunction LCD Display for Voltage, Current and Frequency for 3 phase- 1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  1 Set  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (	2	of wall mounting type dust and vermin proof cubicle type switch board made out of 16 SWG CRCA sheet with powder coated	·			
Non Essential DB)  25 x 6 mm Copper busbar for 3 phases and neutral.  3 nos. LED indicators for RYB indication : 2 sets ( each for KSEB & DG Set supply indication)  Multifunction LCD Display for Voltage, Current and Frequency for 3 phase- 1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  1 Set  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going- 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		80A,25KA TP MCCB as incomer				
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DG Set supply indication)  Multifunction LCD Display for Voltage, Current and Frequency for 3 phase- 1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  1 Set  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		·				
phase-1 No.  2A SP MCB - 6 Nos. for control supply.  Complete with all interconnections.  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		DG Set supply indication)				
Complete with all interconnections.  3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		phase- 1 No.				
3 Supply and fixing of 63, 16 KA Four Pole MCCB on a suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (						
suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)  4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going - 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		Complete with all interconnections.	1	Set		
4 Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.  63A, 16KA MCCB as Incomer - 1 No.  32A/40A C Series TP MCB as out going- 2 no ( To ATM & Spare)  6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (	3	suitable metal box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using	1	No		
32A/40A C Series TP MCB as out going- 2 no ( To ATM & Spare) 6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (	4	<b>Essential DB:</b> Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB	'	110		
Spare) 6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. (		63A, 16KA MCCB as Incomer - 1 No.				
		6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. ( To UPS, Board Light, Security Light)				
Complete with all inter connections. 1.00 Set			1.00	Set		
5 Non Essential DB: Supply, Installation, testing and commissioning of Double door 4 way VTPN MCCB DB consisting of the following.	5	commissioning of Double door 4 way VTPN MCCB DB				
63A, 16KA MCCB as Incomer - 1 No.						
32A/40A C Series TP MCB as out going- 2 no ( To LDB & PDB )		,				
6/10A/16A/20A/32A 'C' Series MCB as out going - 3 Nos.		6/10A/16A/20A/32A 'C' Series MCB as out going - 3 Nos.				
Dummy - 3 Nos.		Dummy - 3 Nos.				
Complete with all inter connections. 1.00 Set			1.00	Set		
6 PDB: Supply, Installation, testing and commissioning of Double door 4 Way TPN MCB Vertical DB consisting of the following.	6					
40A, 100mA ELCB + MCB as Incomer - 1 No.		40A, 100mA ELCB + MCB as Incomer - 1 No.				

	32A/40A C Series TP MCB as out going- 2 no ( To 3 Phase AC )			
	10/16/20A/32A, SP MCB (C-Series) - 6 Nos.(To Single Ph. AC Units, Power plugs & spare)			
	Complete with all interconnections.	1	Set	
7	ATM DB: Supply, Installation, testing and commissioning of Double door 4 Way TPN MCB Vertical DB consisting of the following.	'	301	
	40A, 100mA ELCB + MCB as Incomer - 1 No. 10/16/20A/32A, SP MCB (C-Series) - 9 Nos.(To Single Ph. AC Units, Power plugs & spare)			
	Dummy - 3 Nos. 100A Copper busbar for 3 phases			
	Complete with all interconnections.	1	Set	
8	<b>LDB:</b> Supply, Installation, testing and commissioning of Double door 4 way TPN MCB DB consisting of the following.			
	32/40A, 30mA ELCB + MCB as Incomer - 1 No.			
	6/10A/16A 'C' Series MCB as out going - 12 Nos.			 
	Complete with all inter connections.	1.00	Set	
9	<b>UPS INPUT DB:</b> Supply Erection, testing and commissioning of 20/32 A 2P MCB + 32 A DP ELCB 100 mA in suitable metallic enclosure	2	Set	
10	UPS OUTPUT : Supply and installation of 20/32A DP MCB in suitable metallic enclosure for UPS input/Output	2	Nos.	
11	COMPUTER DB Supply, erection, testing and commissioning of wall mounted type double door dust and vermin proof 8 way SPN MCB DB fixed on wall comprising the following:			
	25/32A, High Immunity DP RCBO 30mA 25/32A - 1 No.			
	6A / 16A MCB - 6 Nos.			
	SPN MCB DB -8 way	2	Set	
12	CABLE LAYING AND TERMINATIONS Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall / ceiling / trench / cable traylamps if necessary.			
	i) 4 x 25 Sq.mm AYFY (Main Cable& Cable to DG set)	80	Mtr.	
	ii) 4X16 Sq.mm AYFY ( Cable to Cut Off, Essential and Non Essential DB )	80	Mtr	
	iii) 4x10 Sq.mm AYFY (Cable to LDB, PDB & ATM DB)	90	Mtr.	
13	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.			
	i) 4x 25 Sq.mm AYFY	4	Nos	
	ii) 4X16 Sq.mm AYFY	6	Nos	
	iii) 4x10 Sq.mm AYFY	6	Nos.	
14	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, commol salt and river sand up to height of 2.5m from the botton and the rest of the portion with excavated soil, providing brick work masonries, plastering, fixing cast iron cover of 30x30cm size etc. complete.	6	No.	

15	Same as above but using 60cmX60cm Copper plate earth for UPS earthing	1	No	
16	<b>EARTH CONDUCTORS</b> 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.	-	1.00	
	i) No.10 SWG	250	Mtr.	
	ii) No 6 SWG	40	Mtr	
17	Supply and laying of 2 X No. 10 SWG copper conductor through 20mm PVC conduit for UPS earthing.	40	Mtr.	
18	Supply and laying of 1 run No. 10 SWG copper conductor through 20mm PVC conduit for <b>Datacraft RACK's lightning protection.</b>	45	Mtr.	
	WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC			
19	Wiring for light,fan,plug-sockets			
a	2 2 . 0			
	SITC of all materials and wiring through wall,ceiling,concealed using color coded 1.5 sq mm PVC insulated ,1100Vgrade FRLS stranded copper wire for point and same size wire with green color as continuous earth for points with independent earth wire for each circuit through ISI grade 25mm PVC conduit including all accessories as per IS 9537 part 1 including circuit wiring using 2.5 sq mm size of wire of same material and quality as above and factory made MS boxes modular type 5A switches and switchboards and ceiling rose /connectors etc.of approved make for controlling one light /fan/exhaust fan calling bell etc .Number of wire to be used in the conduit should be limited to the IS standards .Rate is inclusive of cost of circuit wiring from LDB ,chipping floor /wall using machine and replastering to original form All switches/sockets/switch boards shall be modular type. Wherever wires are drawn on walls it shall be concealed by chipping the plaster using proper machine .Where conduits are drawn above false ceiling ,it shall be firmly clamped on the concrete ceiling/wall using clamps at regular interval (maximum one meter) or laid through rack/tray as per site condition. one light controlled one switch	46	Nos	
b	Same as above but controlling two lights by one switch	3	Nos	
С	Same as above but controlling three lights by one switch	1	Nos	
d	Same as above (Item no 14a) but for ceiling fans including Supply and Installation of step type 250 W modular electronic regulator of approved make.	7	No	
e	SITC of wiring for 6 or 10 nos LED Bulk head or tube lights in parallel connected to UPS/KSEB supply with single control using 5A modular switch and plate with identification for external lights	1	No	
f	SITC of wiring for 6 or 10 nos LED down lighters in parallel connected to UPS supply with single control using 5A modular switch and plate with identification.	1	Nos	

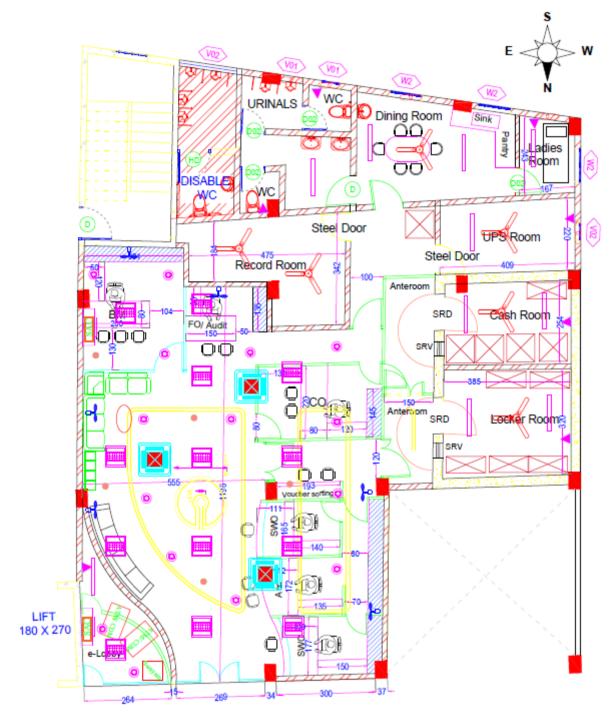
g	SITC of 6A 3 pin plug socket with 6A switch with inter connections complete(combined in switch board)	6	Nos	
h	SITC of 6A 3 pin plug socket with 6A switch with inter connections complete(independent plus points)	5	Nos	
i	SITC of 2 nos of 6A 3 pin plug socket with 6A switch with inter connections complete(for TV Supply)	1	No	
20	SITC of wiring through wall /floor etc recessed using color coded 3 runs 1100Vgrade 2.5 sq mm PVC insulated FRLS copper wire through ISI marked 20 mm dia PVC conduit including all accessories and provide combined 6A, 3pin modular plug socket with 6A modular switch & 16A combined 3 module modular plug socket with 16A modular switch in single box.(for KSEB supply at counters / Manager cabin) including charges for chipping wall or floor and making to original form. Rate is inclusive of cost of complete circuit wiring from power DB/UPSDB(Maximum of three sockets only will be permitted in one ckt) For wall fan/other items at required location switch shall be within reachable height (1.5m)	4	Nos	
21	SITC of wiring through wall /floor etc recessed using color coded 3 runs 1100Vgrade 2.5 sq mm PVC insulated FRLS copper wire through ISI marked 20 mm dia PVC conduit including all accessories and 2 plate 15/5A modular switch and sockets including charges for chipping the wall or floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the KSEB power DB/UPSDB	4	Nos	
22	SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box .Number of wires in one conduit shall be limited as per standards .Rate quoted is for the complete lenth of wiring from UPS DB .Master switch shall be in separate box at easily accessible position to operate by sitting on the chair.(the item is treated as Main station .	4	Nos	
23	Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.	7	Nos	
24	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 datacraft rack / I/O Rack)	1	No	
25	SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit	80		
			Mtrs	

26	SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units $\&$ UPS )	150	Mtrs	
27	SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF	40		
			Mtrs	
28	SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)	30	Mtr.	
29	SITC of32/40A2P Isolator with suitable metallic enclosure	2	No	
30	SITC of 40A4P Isolator with suitable weather proof encloser for supply to AC outdoor units	1	No	
31	Supply and providing 16 A plug top and 1.5m long 3 core 2.5Sqmm flexible copper cable for taking incoming supply from 16A socket. Cable should be given through a flexible hose & hook should be given for hanging the flesible hose (For UPS supply to back office managers, manager & KSEB supply to strong room, line printer and kitchen)	4	No.	
32	Supply and installation of 25/32A DP ELCB 100 mA in manufacturers own enclosure for protection of board light, security light and for single phase AC units.	2	No.	
33	Supply and Installation of 25A Modular type 3 pin plug socket with suitable metallic box for air conditioners.	3	No.	
34	Supply and installation of 25/32A combined Power plug & 20/32A SP MCB in suitable PVC/metallic box. (North West or equivalent make) for connecting AC stabiliser near VDB/UPS in pit sockets.	2	No.	
35	Supply and Installation of 25/32A Modular type DP switch (2module) with indicator mounted on suitable metallic/PVC box for the local control of the air conditioners.	2	No.	
36	Supply and Installation of 20/32A 4 Pole MCB in suitable metallic enclosure for the local control of 3 Phase Acs.	3	Nos.	
37	Supply and Fixing of modular TV Socket	1	No	
38	Supply and laying of ISI marked 20 mm dia PVC conduit in wall after chipping or in partitions for data line	21	Mtrs	
39	KSEB/DG Indication lamp wiring using 3 nos LED indication lamp with 3 nos 6A switch for indicating KSEB supply using 1sq.mm wire though pvc pipe	1	Set	
40	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 KSEB / 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.	1	LS	
41	Charges for preparation of single line diagram of the whole electrical installation using AutoCAD, lamination and displaying it inside the UPS room.	1	LS	

42	Charges for marking the telephone sockets and its correspondonding cable in the KRONE Box and preparation of single line diagram / layout of the whole telephone wiring showing location and numbering marked in the plan using AutoCAD, lamination and displaying it inside the Server Room/Manager Cabin.	1	LS	
43	Charges for preparation of as build layout of the premises indicating position of the earth pits along with the readings and date using AutoCAD, lamination and displaying it inside the UPS room.	1	Ls	
44	Service charge for liaison work with KSEB authorities on behalf of bank for getting power allocation and final sanction for additional load, getting order for statutory payments, shifting/replacement of suitable energy meter if necessary, submission of completion report, obtaining final load sanction from KSEB.	1	LS	
45	Service charge for preparation of electrical schematic drawings and for liaison work with Electrical Inspectorate on behalf of bankincluding testing of energy meter, site inspection for getting approval / energisation sanction for DG set	1	LS	
46	Supply & neat placing of safety items in electrical room			
а	Caution board	1	No.	
b	Shock treatment chart	1	No.	
С	Rubber gloves	1	Pair	
d	Supply of electrical grade rubber mat	21	Sft	
47	LIGHT FIXTURES & FANS			
а	Supply and Installation of Philips Green square LED Luminare Cat. No.RC380B LED 28S-6500 L60W60 PSI OD or equivalent (including fixing frame if any required) or equivalent. (Bank has the discretion to supply the light fittings if necessary)	13	No.	
b	Supply and installation of 9W LED bulb with angle holder (Toilets & wash area)	8	Nos	
С	Supply & installation of 1 X18 Watts Philips Green LED I 200 DN 193B LED light fitting with lamps and white reflector on false ceiling (including UPS Lights)	16	Nos.	
d	Supply and fixing of 18W 4 ft LED tube light fitting (Philips BN 021 or equavalent)	14	Nos	
е	Supply and installation of LED strip along with drive (Blue / White) along with profile channel for fixing the same	40	RM	
f	Supply & installation of calling bell	1	Nos	
g	Supply and installation of 9" size medium duty exhaust fan. (Toilets) Almonard make	4	Nos.	
h	Supply and installation of 12" size heavy duty exhaust fan. (UPS Room) Almonard make	1	No.	
i	Supply and Installation of 450 mm sweep wall fan with metal frame and body. Crompton Greaves / Usha equivalent	6	No.	
j	Supply and providing of 6A, 3 pin modular socket on suitable metal box for wall fan.	6	Nos.	
k	Supply and installation of 1200mm sweep ceiling fan. (Crompton Greaves High Speed double ball bearing type)	7	No.	
I	Supply and providing fan hook on ceiling.	7	No.	
m	Supply and providing fan rod with painting (upto 1m length) (other than that supplied with fan and if required)	7	Nos.	

n	Supply and providing <b>tinned</b> copper earth bench using 25 x 3 mm copper strip (25 Cm in length)	4	Nos.	
0	Supply and installation of Cut off timer for External lights (to be installed near VDB).( Make Legrand/ Protonix/ L & T)	1	No.	
р	10W LED bulk head light fittings(Philips WP 202 or equavalent)	6	No	
q	Supply and installation of cut off timer with contactor for alternate working of UPS room exhaust fans (Contactor L & T MNX 9 or equivalent)	1	Set	
	PART - B			
1	TELEPHONE			
а	Supply and wiring using 2 pair telephone cable 20mm PVC conduit from the EPABX to the individual points. One separate cable for each point. Number of cables in one conduit limited to 5.			
b	2 pair telephone cabling 0.5Sqmm	80	m	
С	10 pair telephone cabling (1 run for EPABX)	30	m	
2	Supply and fixing of RJ 11 type modular telephone socket on suitable PVC / metal boxes.			
а	Telephone socket - single (modular type)	6	No.	
b	Telephone socket - double (modular type)	1	No.	
С	Supply and installation of KRONE connector telephone junction box of 20 pair.	1	No.	
	PART - C			
1	MUSIC SYSTEM			
а	Supply and wiring as per colour code with 2.50Sqmm PVC insulated stranded copper wire 2 runs through ISI grade 20mm conduit for speakers.	80	m	
b	Supply and providing 9W recessed type speakers on ceiling CS 663 T Ahuja make speaker.	4	No.	
С	Supply and installation of Ahuja make 28W Amplifier with USB port. Model: <b>Ahuja DPA 370</b>	1	No.	
	Total Base Amount			

Contractor's seal and signature



SBI CHOWALLURPADI BRANCH - PROPOSED LAYOUT PLAN

Contractor's seal & Signature