



INDIAN BANK

TENDER

FOR

ELECTRICAL AND AC WORKS FOR THE PROPOSED BRANCH AT KARUNAGAPPALLY, THIRUVANANTHAPURAM ZONE, KERALA

Ref:No:

Date :

Issued to:

.....
.....
.....

This Tender document contains 22 pages

Signature & Seal of the Tenderer

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FORM OF TENDER

Indian Bank, Indian Bank towers,

Zonal office, M G Road,
Thiruvananthapuram.

Dear Sirs,

SUB: Invitation of Tender for 'Electrical & AC works of the proposed Indian Bank branch at Karunagappally, Thiruvananthapuram Zone

Having examined the drawings, specifications, conditions and schedule of quantities prepared by you, and satisfying ourselves as to the location of the site and working conditions, I/We hereby offer to execute the above works at the respective rates which I/We have quoted for the items in the Schedule of Quantities.

I/We herewith deposit (Rupees) by crossed demand draft payable at Thiruvananthapuram and drawn in favour of Indian Bank as Earnest Money Deposit for the due execution of the works at my/our tendered rates, together with any variations should the work be awarded to me/us.

In the event of this tender being accepted, I/We agree to enter into and execute the necessary contract required by you. I/We do hereby bind myself/ourselves to forfeit the aforesaid Earnest Money Deposit of (Rupees) in the event of our refusal or delay in signing the Contract Agreement. I/We further agree to complete the work within the stipulated time specified in the Appendix to General Conditions of Contract.

I/We agree to keep our tender open for **45 (Forty Five) days** from the date of opening of Envelope No.1.

I/We enclose the completed tender documents duly signed under two separate sealed envelopes and the Earnest Money Deposit Rs. _____ (Rupees _____ only) by Bank Draft / Bank Guarantee No. _____ dated _____ Issued by _____

Thanking you,

Yours faithfully,

[To be signed by the Authorized Representative of
Tenderer who has the Power to do so]

Place:
Date :

Witness

Signature:
Name:
Address:
Seal:



INDIAN BANK

NOTICE INVITING TENDER

Indian Bank, Zonal Office, Thiruvananthapuram invites sealed tenders for the work of 'Electrical and AC works' of Indian Bank Karunagappally Branch, Thiruvananthapuram Zone' from **Bank/PSU/PSE Empanelled Contractors**.

1.	Name of work	'Invitation of Tender for 'Electrical & AC works' at the proposed Indian Bank branch at karunagappally, Thiruvananthapuram Zone.
2.	Estimated cost of work	Rs 9.51 Lakh
3.	Period of completion	30 days reckoned from the date of issue of the Work Order or handing over of site whichever is later
4.	Validity of Tender	45 Days from the date of opening
5.	Defects Liability Period	12 Months from the date of virtual completion of work
6.	Retention Money/ Security Deposit	10% against each bill. 50% of the Security Deposit shall be returned within 15 days from the date of final payment and balance 50% after expiry of defect liability period of One Year.
7.	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 10% of final Contract value
8.	Tender Documents	Tender documents can be obtained from the office of Architect Ar. M. Jayanand Kilikar (Cell No- 9447024510), GF, Vantage Point, Vijayaraman Menon Road, Ravipuram, Kochi-682016 from 27.12.2021 to 07.01.2022 on all working days during office hours.
9.	Cost of Tender Documents	Rs. 500/- (Rupees Five Hundred only)
10.	Earnest Money Deposit	DD for Rs.9,500/- (Rupees Nine Thousand Five Hundred only) issued by any scheduled Bank favoring Indian Bank, Payable at Thiruvananthapuram.
11.	Last date of submission of tenders	08-01-2022 upto 15.00Hrs. at Indian Bank, Indian Bank Towers, Zonal Office, M G Road, Thiruvananthapuram- 695001.
12.	Date of opening Tender	08-01-2022 at 15.30Hrs. at Indian Bank, Indian Bank Towers, Zonal Office, M G Road, Thiruvananthapuram- 695001.

Note:

1. The bank reserves the right to reject any tender/bid without assigning any reason.
2. The rates quoted by the tenderer shall be based only on the specifications and conditions of the tender documents.
3. Bank is not liable to make any payment to tenderers for preparation to submit the tender/bid.

ASSISTANT GENERAL MANAGER

Indian Bank, Indian Bank Towers,
Zonal Office,
M G Road,
Thiruvananthapuram

Signature & Seal of the Tenderer

GENERAL RULES AND INSTRUCTION FOR THE GUIDANCE OF TENDERERS

- 1 Tenders, which should always be placed in sealed cover, with the name of the work written on the envelope **"Electrical & AC works, at Indian Bank Karunagappally Branch, Thiruvananthapuram Zone"** will be received by Assistant General Manager, Indian Bank, Zonal Office, Premises, Dept, Indian Bank Towers, M.G.Road, Thiruvananthapuram-695001.
- 2 **Earnest money amounting to Rs.9,500/- (Rupees Nine Thousand Five Hundred only)** in the form of Demand Draft drawn in favour of "Indian Bank", payable at Thiruvananthapuram must accompany each tender. EMD amount will not carry interest. Tender without earnest money will be summarily rejected.
- 3 The Indian Bank does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 4 The rate quoted by the Tenderer shall be net, up to the stage of incorporation and handing over site. All taxes including or any other tax on material or on finished works like Turn-over Tax, including taxes that may be newly introduced subsequent to the tender etc. in respect of this contract shall be payable by the Tenderer and the Indian Bank will not entertain any claim whatsoever in this respect.

The rate quoted should be excluding GST.

The vendor who wishes to quote for the tender should have GST registration and should mention the registration number.

- 5 The Tenderer shall give a list of his relatives working with the Indian Bank along with their designations and addresses.
- 6 No employee of the Indian Bank is allowed to work as a contractor for a period of two years of his retirement from Indian Bank service, without the previous permission of the Indian Bank. The contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the Indian Bank as aforesaid before submission of the tender or engagement in the Tenderers service.
- 7 The tender for works shall remain open for acceptance for a period of 90 days from the date of opening of Tender. If any tenderer who withdraws his tender before the said period, then the Indian Bank shall be at liberty to forfeit Earnest Money paid along with the tender.
- 8 The tender for the work shall not be witnessed by a Tenderer or Tenderers who himself/themselves has/have tendered or who may and had/have tendered for the same work. Failure to observe this condition would render tenders of the Tenderers tendering as well as witnessing the tender liable to summary rejection.
- 9 It will be obligatory on the part of the tenderer to tender and sign the tender documents for all the component parts.
- 10 Transfer of tender documents purchased by one intending Tenderer to another is not permitted.
- 11 The Tenderer must pay the amount of Earnest Money as mentioned in the Notice of Tender Invitation by Bank Guarantee / Bank Demand Draft payable to Indian Bank. No interest on Earnest Money deposited by the Tenderer shall be allowed. The Tenderer should attach the Bank Guarantee / Bank Draft along with the tender failing which the tender will not be considered. No other mode of payment shall be accepted.
- 12 The Bank Guarantee for **Earnest Money shall remain valid for 3 months** from the date of submission of tender. The Earnest Money Deposit of unsuccessful tenderers shall be refunded within three weeks of award of contract to the successful tenderer or within one week of actual commencement of work whichever is earlier and in any case not later than four months.
- 13 The Earnest Money Deposit of the successful tenderer shall be refunded on the acceptance by the Employer of the Contractor's Bank Guarantee/ Demand Draft towards Security Deposit.
- 14 The EMD of the Tenderer, whose tender is accepted, shall be forfeited in full in case he does not start the work by stipulated date mentioned in the award letter.
- 15 **The retention amount at 10%** on the value of the bill paid will be held by the Indian Bank. **50% of the retention amount will be paid after completion of the project** and balance 50% will be released at the end of Defects

liability period, subject to satisfactory rectification of defects noticed, if any. EMD & retention amount held in our Indian Bank's books will not carry any interest.

- 16 The acceptance of a tender will rest with the Indian Bank and the Indian Bank reserves to itself the authority to reject any or all of the tenders received without the assignment of a reason. Tenders in which any of the prescribed conditions are not fulfilled (or) are incomplete in any respect are liable to be rejected. The Indian Bank reserves the right to accept the tender in full or in part and the tenderer shall have no claim for revision of rates or other conditions if his tender is accepted in parts.
- 17 Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the Tenderers who resort to canvassing will be liable to rejection.
- 18 All rates shall be quoted on the proper form of the tender alone. **All the entries to be made legibly in ink only.** Rates written in pencil or any other mode shall not be considered for evaluation and will be rejected.
- 19 An item rate tender containing percentage below / above will be summarily rejected. However, where a tenderer voluntarily offers a rebate for payment along with sealed tender, the same may be considered.
- 20 On acceptance of the tender the name of the accredited representative(s) of the Tenderer who would be responsible for taking instructions from the Indian Bank shall be communicated to the Indian Bank.
- 21 Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount should be written both in words and in figures.
- 22 The Contractor shall within 7 days of receiving the WORK ORDER submit a **security deposit of 2%** of the contract value in the form of a Demand Draft or Bank Guarantee in an approved format at which stage the Demand Draft or Bank Guarantee submitted in lieu of E.M.D shall be returned. On acceptance of the Demand Draft or Bank Guarantee by the Employer, the Earnest Money Deposit shall be refunded to the Contractor.
- 22 The Contractor shall comply with and give all notices required under any law, rules, regulations, or bye-law of Parliament, State Legislature or Local Authority relating to works. If needed, the Contractor has to obtain required permission/ approval from the building secretary/ association. The Contractor shall before commencing the execution of work issue a certificate to the Employer that he has obtained all the permissions Registrations and give all the notices as are required to be obtained or given under law particularly blasting permission, Police permission etc.
- 23 The Contractor shall be required to maintain the site and the building areas in a neat and clean condition at all times to the satisfaction of the Employer. The Contractor shall especially take care to keep areas free from getting water logged, from concrete/mortar dippings, bricks, steel, shuttering materials or any other material / rubbish.
- 24 Debris and items removed from the building have to be neatly stacked at site and then periodically removed (maximum of one week), carried away by the Contractor and disposed off as per the rules and regulations of the Local Authorities concerned. No debris shall be thrown loose from upper floors. No floor, roof or other part of the building shall be over-loaded with debris or materials as to render it unsafe.
- 25 Employer reserves the right to insist on selection of material, workmanship, detailing and finishes, which they consider, is appropriate, and suitable for the intended use. The contractor is not eligible to claim extra on this account.
- 26 Employer will require the contractor to produce, samples of all the materials, accessories/ finishes prior to procurement/ manufacture. The samples of the materials for the work shall be got approved from the Employer. Failure to comply with these instructions can result in rejection of the work/ materials.
- 27 For painting, sample area shall be prepared and the shade got approved. It is also advised to give computer presentation of various colour schemes to the employer before going for sample painting.
- 28 The Tenderer should note that he should execute his part of work without causing any damage to any component of the building and also without disturbing the occupants. Any damage so caused shall be made good at the cost & risk of the tenderer.
- 29 The successful tenderers shall include, in the quoted price, all allied civil works such as chasing in wall, drilling holes etc to support the frames, partitions, make the surface good after grouting, scaffolding required if any to load/ unload the materials etc.

- 30 The successful contractor shall also be responsible for the safety and security of all their materials and also for ensuring fire prevention steps at all times in the working premises including their part of the work. The successful contractor has to place full time representative at site, the representative should have thorough subject knowledge.
- 31 The work shall be carried out without disturbing the existing occupants of other offices. Necessary barricading of the area, if required from the rest of the area shall have to be arranged by the successful contractor at no extra cost. The work is to be organized and executed so as to have least disturbance to the occupants of other flats.
- 32 **Only one interim payment is permitted with minimum value of bill shall be of Rs.4.0 lakh.** The bills in proper forms must be duly accompanied by detailed measurements in support of the quantities of work done and must show deductions for all previous payments, retention money etc. The Employer after detailed scrutiny of the interim bill shall certify full payment within **10 days** of the date of receipt of interim bill from the Contractor subject to submission of documentation as required.
- 33 **The contractor should ensure payment of minimum wages + VDA to all labourers / workmen staff employed by him in line with central/ state labour wage act whichever higher.**

The Contractor shall at all times indemnify and keep indemnified the Employer against all losses, claims, damages or compensation including under the provisions of the payment of the Wages Act 1936, Minimum Wages Act 1948, Employer's Liability Act 1938, Workman's Compensation Act 1923, the Maternity Benefit Act 1961, the Bombay Shops and Establishments Act 1947, Industrial Disputes Act 1947, and Contract Labour (Regulation and Abolition) Act 1970 and Employees State Insurance Act 1948, Motor Vehicles Act 1988 or any modifications thereof or under any other law relating thereto and rules made thereunder from time to time or as a consequence of any accident or injury to any workman or other person in or about the work whether in the employment of the Employer or Contractor or not, and also against all costs, charges and expenses of any suit, action or proceedings whatsoever out of such accident or injury or combination of any such claims.

- 34 From commencement to completion of works, the Contractor shall take full responsibility for the care of the work and for taking precautions to prevent loss or damage to the work to the maximum extent possible and shall be liable for any damage or loss that may arise to the works or any part thereof from any cause whatsoever including causes of fire, lightning, explosion, earthquake, storm, hurricane, floods, inundation, subsidence, landslides, rock slides, riots (excluding civil war, rebellion, revolution and insurrection) or any latent defect or damage and shall at his own cost repair and make good the same so that at all times the work shall be in good order and condition and in conformity in every respect with the requirements of the Contract.

For the purpose of this condition this expression "from commencement to completion of works" shall mean the period starting with the date of issue of Work Order or date of handing over of site whichever is later and ending with issue of Virtual Completion Certificate.

Without limiting the obligations and responsibilities under this condition, the Contractor shall insure and keep insured the works from commencement to completion, as aforesaid, for the full contract value including Price Variation Adjustment if any against the risk of loss or damage from any cause whatsoever including the causes enumerated in the foregoing paragraphs. In the event of there being a variation in the nature and extent of the works, the Contractor shall from time to time increase or decrease the value of the insurance correspondingly. All the premium amounts for the insurance shall be borne and paid by the Contractor.

Before commencing the work, the Contractor shall without limiting his obligations and responsibilities under this condition, insure against any loss of life or injury to any personnel in the employment of Contractor / Sub-Contractor/nominated Sub-Contractor. For this purpose, an insurance shall be taken by the Contractor /Sub-Contractor. Such an insurance shall be taken to include both employees/workmen covered by the Workman's Compensation Act 1923, as well those employees/workmen not covered by the said Act. Separate insurance policies may be taken for employees/ workmen covered by Workman's Compensation Act 1923, and employees / workmen not covered by the said Act. All the premium amounts shall be paid by the Contractor. Policy/Policies taken under this para for the personnel in employment with the Contractor / Sub-Contractor may be in their Employer's names of the Contractor / Sub-Contractor / nominated Sub-Contractors. In the event of any loss or injury to personnel in employment with the Contractor / Sub-Contractor / nominated Sub-Contractors, the Employer and Contractor shall recover directly from the Insurance Company and ensure that payment of the same is made to the affected parties including the Employer. The policy in original shall be deposited with the Employer.

The Contractor shall at all times indemnify and keep indemnified the Employer against all losses and claims for injuries or damage to any person or any property whatsoever which may arise out of or in consequence of the construction and maintenance of the work and against all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto. Before commencing the execution of the works, the Contractor shall without in any way limiting his obligations and liabilities under this condition, insure at his cost and expense against any damage or loss or injury which may be caused to any person or property including the employees and directors of the Employer and their property by or in the course of the execution of the works. Such insurance to be known as the Third Party Insurance shall be in a sum of **Rs. 1.0 lakh**. The Insurance policy to be so obtained by the Contractor shall be deposited by the Contractor with the Employer within **Seven days** of its issue by the Insurer.

- 35 The Contractor shall take all precautionary measures to ensure the safety of the workmen employed by it. The contractor shall be fully responsible for the any injury or damage caused to the workmen deployed by him at site for carrying out the work and Bank has nothing to do with such happenings and in no way shall be held responsible for the same.
- 36 The contractor shall maintain all registers as required by the Regional Labour Commissioner and should furnish the same to the Bank or its representative as and when required.
- 37 If the work is not started within **7 days** from the date of issue of work order then Employer may terminate the work order without assigning any reason. If during the execution of the work, the progress of work is not considered to be satisfactory and is not consistence to be in contingent with the period of the completion of the work then the Bank may terminate the work order by giving a final notice to the contractor.
- 38 The time allowed for completing the works is **30 days** to be reckoned from **7 Days** from the date of Work Order / date of handing over site whichever is later. Tenderers shall submit a programme (time schedule) for executing the entire project and shall furnish the details of their scheme indicating the proposed deployment of their machinery and resources.
- 39 If the Contractor fails to complete any or all the works by the date/s named in **Clause 38** (Date of Completion) or within any extended time (permitted by Bank) then the Contractor shall pay or allow the Employer the sum to be worked out at **1.0%** of contract value per week to be recovered as Liquidated Damages (and not by way of penalty) for the delay, beyond the said date or extended time, as the case may be, during which the works shall remain unfinished and such damages may be deducted from any moneys due or which may become due to the Contractor. The maximum amount of Liquidated damages shall be **10%** of contract value. The contractor shall be bound to extend validity of Insurance Cover till such period of completion as may be considered necessary at their cost.
- 40 The successful tenderer shall be required to execute an Agreement in the proforma attached with this tender document within **7 days** from the date of receipt of the notice of acceptance of tender. In the event of failure on the part of the successful tenderer to sign the agreement within the above stipulated period, the earnest money will be forfeited and the acceptance of the tender shall be considered as cancelled.
- 41 The final bill will be released on satisfactory completion of the entire work and on completion of all the terms and conditions / obligations spelt out and on proper submission of the bill together with the measurements. Final Bill settlement is within 45 days from the date of proper submission of bill & measurements.

ASSISTANT GENERAL MANAGER ,

Indian Bank , Zonal Office,
Indian Bank Towers, M G Road,
Thiruvananthapuram- 695 001.
Kerala

Signature & Seal of the Tenderer

ARTICLES OF AGREEMENT

THIS AGREEMENT is made on this day ofmonth of between Indian Bank and having its Corporate Office at Indian Bank, Zonal Office, Indian Bank Towers, M G Road, Thiruvananthapuram- 695 001 (hereinafter referred to as the "Employer") which expression shall include its successor, legal heirs and assignees of the one part.

AND M/s. having its office at
.....

(hereinafter referred to as the "Contractor") which expression shall include its successor, legal heirs and assignees of the second part.

WHEREAS the Employer has caused drawings and tender documents for 'Electrical & AC works', at Indian Bank Karunagappally Branch, Kollam.

AND whereas the Employer has called for tender vide ref. no. dated.....
.

AND whereas the contractor has submitted the tender ref. no. dated
..... to the Employer on

AND whereas the Employer has issued the work order ref dated..... to the contractor to do the work.

AND whereas the Contractor has agreed to execute the work as per drawings, specifications, conditions of contract and Work Order.

AND whereas the Employer has accepted the Contractor's tender as aforesaid and whereas the tender submitted by the contractor has been accepted for such sum as may be ascertained to be payable in terms of the Bill of Quantities and which sum is estimated to be Rs. (Rupees)
hereinafter referred to as the said "Contract Agreement".

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:-

1) In consideration of the said Contract Sum to be paid at the times and in the manner set forth in the said Conditions the Contractor shall carry out and complete the Interior Works in terms and conditions herein contained and according to the general conditions of the contract, notice inviting tender, special conditions of contract, general scope of work, technical specifications, schedule of rates and instructions to be given by and the supervision of and to the entire satisfaction of the Employer.

2) **Contract Price, Taxes and Payment Terms :**

Total contract price is Rs. which is inclusive of cost of materials, equipment, installation charges and tools and tackles required for execution of the job. Above price is inclusive of all taxes & duties including excise duty, sales tax, works contract tax, income tax, octroi etc. in respect of this contract. No claim in this respect will be entertained. Sales tax on works contract & Income tax on payments will be

deducted and deposited by Employer in accordance with the sales tax law of the state and the provisions of tax deductions at source under income tax act 1961.

However, interim payment will be made as per the site measurements on Item Rate basis.

3) **Completion Period:**

Time is the essence of the Contract. The work is to be completed in all respects within **30 days** reckoned from **7th day** from the date of issue of the Work Order or handing over of site whichever is later. If the Contractor fails to complete the job within the agreed time period the Contractor will have to bear liquidated damages as per the relevant clause mentioned in the Tender Documents.

4) **Earnest Money:**

The Contractor has deposited an amount of **Rs.9,500/- (Rupees Nine Thousand Five Hundred only)** as earnest money.

5) **Inspection of Site:**

The Contractor has inspected the site before submitting his tender and has satisfied himself as to the nature of the work to be executed on the site. Any difficulties which the Contractor may come across in the course of the work shall in no way relieve the contractor to claim or receive extra payment unless the Employer is of the opinion that such difficulties could not have been foreseen and the Employer consents in writing.

6) **Supply of Material and Labour:**

The Contractor shall arrange all labour, materials, equipments, tools, tackles and everything necessary for the completion of the work. The Contractor will assume all responsibility for the safety, protection and accounting of all material and equipment and the work during construction. All materials used by the Contractor shall be of the best quality conforming to the required specification mentioned in the tender document and will be subject to the approval of the Employer. All such materials not approved by the Employer shall be removed at once by the Contractor at his own expense. The Contractor shall also at his own expense arrange for carrying out any test of materials which the Employer may from time to time require or if so desired by the employer.

7) **Defective Work / Materials:**

If any part of the work done by the Contractor is found defective in workmanship or if bad or inferior materials have been used the Contractor shall at his own risk and cost demolish all such defective work and rebuild the same and / or replace the bad or inferior materials used within a time frame mentioned to the satisfaction of the Employer. The decision of the Employer in this regard shall be final and binding on the Contractor. In case of default of the contractor to remove the defective work and rebuild the same or replace bad or inferior materials as directed by the Employer, the Employer shall be entitled to employ anyone else to carry out the same at risk and cost of the Contractor and recover all expenses incurred in this regard from the contractor.

8) **Inspection of Work:**

During progress of the work the Employer shall be entitled at all times to have access to and inspect the work.

9) **Supervision:**

The Contractor shall provide one or more competent and technical qualified engineers duly and fully authorized to act on his behalf in all matters relating to the works to be carried out under or any other matter concerning this agreement and who shall at all times be present at the works while any work is in progress as per directions, explanations & instructions of Employer.

10) **Compliance with Statutory Regulations & Work Rules:**

The Contractor shall be responsible for complying with the applicable laws / bye laws / Regulations in force from time to time and shall have to bear all statutory liabilities to the workers / personnel engaged for the job. Nothing will be paid extra in this regard. If any amount is paid by the Employer with this regard the same amount shall be deducted from the Contractor's dues. The Contractor shall have to arrange insurance cover for the workers / personnel engaged by him for the job.

11) **Determination of Contract:**

In the event of Contractor failing to keep / adhere to agreed schedule of work, or in the event of the Contractor failing to comply with the provisions of this contract by default and / or negligence and / or suspension of work or in the event of Contractor failing to complete the work within the stipulated period, the Employer may terminate this Agreement forthwith and employ, at the Contractor's risk and cost, another contractor or sufficient number of workmen to complete the work.

12) **Force Majeure:**

This clause will be operative only if the work is delayed by

- a) Acts of God
- b) Earthquake or floods or similar natural calamities.
- c) Serious loss or damage by fire or lightning.

In case any Force Majeure condition herein mentioned occurs and continues for a period exceeding 15 days the parties hereto undertake to sit together and devise ways for expeditious and proper performance of the obligations of the parties under this order.

13) **Arbitration:**

" In the event of any dispute or difference relating to interpretation and application of provisions of the contract and all disputes/ claims whatsoever which shall either during the continuance of the contract or afterwards either between the parties to the contract or the respective representatives touching the construction/ application of any provision/ clause mentioned in the contract or any account or liability between the parties to the contract or as to any act or deed or omission of any party to the contract, in any way relating to these presents, shall be first at the discretion of the Bank attempted to be resolved in good faith by mutual discussion within 30 days of the dispute or question being raised failing which the same shall be settled by arbitration in accordance with provisions of Indian arbitration and Conciliation act 1996.

The Parties concerned shall designate an arbitrator on mutual consent/ consensus. The venue of the arbitration shall be exclusively at Chennai and any award passed by arbitrator shall be final, conclusive and binding upon the parties and shall be deemed to have been made between parties themselves. The parties to the dispute shall share equally the cost of arbitration as intimated by the arbitrator".

IN WITNESS whereof the said contracting parties have set their hands and seals on the day and year first hereinabove witness.

Witness Address

Employer

Witness Address

Contractor

Sr. No.	LIST OF NOMINATED MATERIALS & SUPPLIERS	SUGGESTED MAKE LIST
	Light Fixture & Lamps	Philips/ Wipro Osram / Havells / Crompton G./ Halonix
	HT cable	Polycab/Havells
	Modular Switches	ABB/ Legrand/ MK/ANCHOR/ELLEYS/ROMA
	DLP Trunking	Legrand/Schneider or equivalent
	Power cable	CCI/ Skytone/ Universal/ LAPP/ Torrent
	End Termination	Raychem/ Mahindra/ELMEX
	PANEL	Crompton/L&T/C&S
	Fan	Crompton/Havells/Bajaj/Usha
	Raceway & Alu. Trunking	Tata/Jindal/Zenith
	Casing Caping	Finolex/Cap or equivalent
	Weather proof socket outlet with MCB	ABB/MDS/LEXIC/Neptune/Elcon- Clipsil, Siemens, Schneider (Merlin Gerin)
	Miniature Circuit Breaker	ABB/MDS/LEXIC/ Clipsil/Siemens/HPL
	Earth Leakage Circuit Breaker	MDS/LEXIS/Siemens/HPL
	MCB Distribution Boards in sheet steel housing (double door)	ABB/MDS/LEXIC/Siemens/HPL
	Distribution	
	MV Contractor/Timer/Relays/Starters	Legrand/ Schneider(MG)/ ABB/Siemens/L&T
	Moulded case circuit breakers	Legrand/ Schneider(MG)/ ABB/Siemens/L&T
	SFU/Fuses	HPL/ L&T. Siemens, GE Power, Schneider (MG)
	ACB	Schneider(MG)/ ABB/Siemens/L&T
	Single Phase Preventer (Current base)	L&T, Minilec
	Raising Mains & Tap Off (Power coated)	Zeta, C&S, Siemens
	MV Switchboards (Powder Coated)	Tricolite Electrical Industries, conlec Enginners Pvt. Ltd, Vidyut Control Pvt Ltd., Trinitron Milestone Switchgear, Unilec Ltd, Madhu Electrical Advance Electro Control Pvt Ltd.
	Low Tension System	
	Light & Fan Wire	Polycab, Finolex, Havells
	Telephone Wires	Delton, Skyline, Finolex, Rallison, Batra Henley
	Telephone Tag Blcoks	Krone / Pouyet/ TVS
	Cables and Accessories	
	1100Volts grade Cables	CCI, Universal, Fort Gloster, Polycab, RPG (Asian), Nicco
	Cable Lugs	Dowells

	Cable compression Glands	Peeco/ Comet
	Electrical	
	Light Fittings	Philips / Wipro / Osram / Havells / Crompton G.
	MCCB, MCB , RCCB, DB, ICTPN TP, HRC Fuse, change over switch, switch fuse Unit	L&T, ABB, Legrand, Siemens, Schneider
	FRLS insulated Elec. Wire/ cable armourd, unarmoured, Sheathed,unSheathed, flexible LT cable, Multi core, single core cable, flat cable	Finolex/Ploycab/Havells/RR kabel/KEI
	PVC conduit(HEAVY DUTY ONLY)	CAP/Finolex/Polycab
	PVC insulated copper conductor Wires	Finolex/ Polycab/RR Cable
	Distribution Box	Legrand/ Schneider/ ABB/Siemens
	MCB & MCCB	Legrand/ Schneider/ ABB/Siemens/L&T

Sr No	LIST OF NOMINATED MATERIALS & SUPPLIERS	SUGGESTED MAKE LIST
	Cable Trays / Cable ladders	Slotco, Bharti, RICCO, Pilco, MM Enterprises
	Metering & Protection	
	Cast Resin current transformers	Gilbert Maxwell, Kappa AE, Precise
	Meters (Digital)	L&T Roshab, Automatic Electric, Siemens, Socomex
	Selector switches	HPL/L&T Salzer, Kaycee
	Indication lamp	L&T Vaisno Teknic
	KWH Electronics Digital Meter	Secure, L&T, Enercon, Socomec- HPL
	EPABX	
	Exchange/ Console Panel	Copper connection, Flash Hymax, Accord CG, Tata Telecom, Panasonic
	CVT	Logicstat, Blue Bird, Selvon, Max Power
	UPS	HPL- Socomec, Tata Liebert, APC, Invensys, Copper Connection
	Hand Set	Beetel, Tataphone, Crompton
	Tape off	Cat Vision, Shyam
	Electrical Items	
	Panel Switch Gear & related Item	
	LT Panel/Bus Duct	By any Panel manufacturer who process C.P.R.I. certificate for specified fault level & IP level protection
	Fuse Disconnect switch/switch fuse unit	L&T, Siemens/ Schneider/ABB/Legrand
	Ammeter Voltmeter	AE/L&T/MECO/Rishab
	Digital Meters/ Intelligent Multifunctional Digital meter	AE/HPL/CONZERV
	Selector Switch, Push button switch / emergency switch	KAY CEE/ L&T/ Siemens/ Schneider
	Indication Lamp	AE/L&T/Siemens/ Schneider
	CT's	L&T / AE/ Kappa
	AT's	L&T/Siemens/ Schneider/ legrand
	Voltage stabilizer for air conditioner (4/5KVA)(170-270V)	V Guard/Microtek
	Air Conditioner - Split Inverter AC(5 star) - (.75 ton - 1ton, 1.5 ton, 1.8ton-2ton)	Daikin/Blue Star/ Carrier
	Air Conditioner - Cassette Inverter AC(5/4/3 star) - (2.9 ton - 3.5 Ton)	Daikin/Blue Star/ Carrier
	Transformer	
	Distribution Transformer	Jindal /Areva/ Muskan/Alstrom
	11 or 33 KV VCB	Crompton/ Alstom/ ABB
	HT Termination & Jointing kit	Ray Chaem / Mahindra/ ELMEX
	Cable Glands	Dowells / Siemens/Braco
	Lugs & Thimbles	Dowells / Johnson
	Upto & including 11KV cables (ISI markes)	CCI/ Skytone/ Gloster/ Havells
	Insulating Mats	ISI Marked

**TENDER FOR THE ELECTRICAL WORK OF
INDIAN BANK,KARUNAGAPALLY.**

PART- A					
Sl.No	Description	Qty	Unit	Rate	Amount
I	<u>VERTICAL DB</u>				
	Supply, erection, testing and commissioning of 4 way TPN Vertical MCCB DB with termination box. Made out of 16SWG CRCA Sheet, dust and vermin proof, wall mounting consisting of the following				
	Incomer : 63A,25kA, 4 Pole MCCB - 1No.				
	Outgoing : 32 A TP MCB - 1 No for PDB				
	Outgoing : 40A TP MCB - 1 Nos for UPS				
	Outgoing : 25A TP MCB - 1 Nos for LDB				
	Outgoing : 25A TP MCB - 1 Nos SPARE	1	Set		
II	<u>PDB</u>				
	Supply, erection, testing and commissioning of 4 way TPN MCB PDB with termination box. Made out of 16SWG CRCA Sheet, dust and vermin proof, wall mounting consisting of the following				
	32 A,100mA, 4P RCBO as incomer - 1 no				
	10A- 32 A MCB- 12 nos. as outgoing for A/C and power	1	Set		
III	<u>LDB</u>				
	Supply,installation,testing & commisioning of wall mounted type Double door dust & vermine proof 6 Way TPN MCB DB with termination box cocealed on wall comprising the following.				
	4 pole 25A, (30 MA) RCBO as incomer -1 no				
	6A- 10 A MCB- 18 nos. as outgoing for lighting	1	Set		
IV	<u>DISTRIBUTION BOARD for UPS</u>				
1	Supply, erection, testing & commisioning of wall mounted type Double door dust & vermine proof 3 phase 6Way TPN MCB DB cocealed on wall comprising the following.				
	4 pole 40 A,30mA RCBO - 1 no as incomer				
	Outgoing: 16A, SP MCB-5 no.				
	Outgoing: 6A, SP MCB-13 no.	1	Set		
2	Supply & installation of 40 A 4 pole isolator for UPS input supply.	2	No		
3	Supply & installation of 40 A 4 pole MCB Change Over Switch with centre offing metal encloser for UPS circuit	1	No		
V	<u>DISTRIBUTION BOARD ATM</u>				

	Supply, erection, testing & commissioning of wall mounted type Double door dust & vermine proof 1 phase 8 Way MCB DB concealed on wall comprising the following.				
	1 pole 32 A,30mA MCB+ELCB - 1 no as incomer				
	Outgoing: 25A,SP MCB -3 no.				
	Outgoing: 6A,SP MCB -2 no.				
VI	<u>CABLE LAYING AND TERMINATION</u>				
	Supply, laying & dressing of 1.1 KV grade PVC insulated armoured cable with Aluminium conductor along with 2 layer 10 SWG Cu. conductor concealed or on wall/ ceiling/ trench/cable rack with clamps etc including back filling of trenches if necessary.				
1	4 core 25 sq.mm	40	Mtr		
2	4 core 10 sq.mm	20	Mtr		
3	4 core 6 sq.mm	45	Mtr		
4	2 core 4 sq.mm	15	Mtr		
VII	End termination of above cables using flange type cable glance and heavy duty tinned Al. crimping type cable sockets including cable earthing.				
1	25 sq.mm gland	2	No		
2	10 sq.mm gland	2	No		
3	6 sq.mm gland	2	No		
4	4 sq.mm gland	2	No		
VIII	<u>EARTHING</u>				
1	Rod earth electrode:				
	Providing maintenance free Earthing system as per IS 2309 ,IEC 62305 part3, IEC 60364, IEC 62561 part 2, IS 3043, UL 467 & UL 96 standards. Earthing System comprises of molecularly bonded copper of 99.9% purity on low carbon steel of 3m length (1m (219 20 CU) x 3 nos), having a diameter of 20mm with copper coating thickness of 250 microns with self-coupling bore and peg arrangement (without the need for external coupler) with fault current withstand capability of 20 KA rms value for 1 second and I peak of 50 KA. For obtaining desired length, the number of rods shall be increased and is provided with Universal Clamp (2730 20 VA) made of SS 304 for clamping the cable/flat conductor to the rod. Impact point (219 20 IP) on the bottom rod for easy insertion. Earth enhancing mineral compound (ECS PB 12.5) is used for improving the soil conductivity. Earth enhancing mineral compound shall be so designed and constructed that in normal use their performance is reliable and without danger to persons and the surroundings. The material shall be mineral inert to sub soil and shall not pollute the environment. It shall provide a stable environment in terms of physical and chemical properties and exhibit low resistivity. It shall not be				

	corrosive to the earth electrode itself. The material should have a resistivity less than 0.2 Ohm meter. It should be free from hazardous substances The mineral compound is required to have minimum 12.5 Kg of the total composite. Polypropylene & Polyethylene (UFE)Earth electrode inspection chamber with heavy duty cover should be used to cover the Earth Rod. The dimension shall be 170mmx 170mmx 190mm with a weight bearing capacity of 5KN.				
	Supply	E	2		
	Labour	E	2		
	<u>Supply & laying following Cu. Strips/wires</u>				
1	No. 10 SWG Cu. wire from DB to VDB in electrical room.	20	Mtr		
2	No. 8 SWG Cu. wire from VDB to Main earth in electrical room.	30	Mtr		
3	16 sq.mm Cu. Wire through 20 mm rigid PVC conduit for UPS earthing.	35	Mtr		
4	30 cm long Earth bunch of 25 x 3 mm Cu. Suitable bent into shape with necessary holes for termination for UPS DB, LDB & VDB.	2	No		
IX	<u>WIRING FOR LIGHT, FAN, PLUG, SOCKETS etc.</u>				
	Supply all materials & wiring recess/surface through wall, floor, ceiling etc. as per colour code with 1.5 sq. mm PVC insulated FRLS stranded Cu. wire for the points & 1.5 sq.mm PVC insulated green colour stranded. Cu. Wire as continuous Earth				
	for points with independent Earth wire for each circuit through				
1	ISI grade 20/25 mm PVC conduit including all accessories as per IS : 9537 part II including circuit wiring using 2.5 sq.mm Pvc insulated stranded Cu. wire for phase neutral & Earth with all materials & installation of factory made MS boxes, 2 plate model modular switches & 3 plate ceiling rose/connectors / angle holders etc. of approved make for electrical fixtures.No of cables in conduit should be limited to the IS standards & as per the conditions laid down in the Tender.Check nuts to be provided in the conduits in switch boxes, DB etc. The rate includes circuit wiring & no cost is allowed for additional length of circuit wiring				
a	1 light controlled by 1 switch	23	No		
b	2 light controlled by 1 switch	8	No		
c	3 light controlled by 1 switch	1	No		
2	Supply all material & wiring same as above but for 6 A 5 pin plug points using 3 run 1.5 sq.mm 1.1 KV grade PVC insulated Cu. Stranded wire as per colour code for phase, neutral & Earth.(independent in position)	1	No		

3	Same as above but for 6 A 5 pin plug points in switch boxes.(combination in position)	13	No		
4	Same as above but for Ceiling fan points including supply & installation of electronic fan regulator 250 watts of approved make in suitable MS box	2	No		
5	Same as above but for Wall fan / Exhaust fan points including supply & installation including all necessary fittings of approved make in suitable MS box	13	No		
6	Supply, wiring and installation of Calling bell in manager's cabin using 1.5 sq.mm PVC Cu. Wire through 20 mm PVC pipe with modular bell push	1	No		
7	Wiring for Speaker with 2 Core X 1.5 Sq.mm Armoured Screened FRLS Twin Twisted PVC Insulated cable including all necessary fittings of approved make in suitable MS box	4	No		
8	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 1.1 KV grade 2.5 sq. mm PVC insulated Cu. wire for phase neutral and green colour for Earth through ISI marked 20 mm PVC conduits with all accessories and supply & installation of modular 6/16A plug with switch for Power points . The rate should be quoted considering the average length required for wiring from DB & no claim for additional length.	4	No		
9	Supply all materials & wiring as per colour code with 2 runs of 1.1 KV grade 4 sq. mm PVC insulated Cu. wire for phase neutral and 2.5 sq.mm green colour for Earth through ISI marked 20 mm PVC conduits with all accessories & supply & installation of modular type 20A metal clad plug & socket for AC units (Ref: Electrical layout).The rate should be quoted considering the average length required for wiring from DB & no claim for additional length.	6	No		
10	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 2 runs of 1.1 KV grade 6 sq. mm PVC insulated Cu. wire for phase neutral and 4 sq.mm green colour for Earth through ISI marked 20 mm PVC conduits with all accessories for UPS input/output supply.	30	Mtr		
11	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 2.5 sq. mm PVC insulated Cu. wire PVC conduits with all accessories for Board light supply.	20	Mtr		
12	Supply, laying & dressing of 1.1 KV grde PVC insulated armoured cable with Cu conductor along with 2 core 1.5 sq.mm for Lolly pop .	15	Mtr		
XI	<u>WIRING FOR COMPUTER WORK STATIONS</u>				

	Supply all materials & wiring through recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 2.5 sq. mm PVC insulated stranded Cu. wire for phase neutral and green colour for Earth through ISI marked 20 mm PVC conduits from DB for Computer Workstation, including supply & installation of 3 nos. 6A 3 pin plug & socket with 3 nos. switches in metal boxes including chipping the floor , plastering etc if necessary.	9	No		
X	<u>SUPPLY & INSTALLATION OF ELECTRICAL FIXTURES</u>				
	Installation, giving electrical connection, testing & commissioning of the following light , fan etc. fittings including the cost of materials for fitting, connection using flexible wires through 20 mm flexible PVC conduit including the cost of chain, downrods etc. according to the requirement. All fittings should be of approved make & model as per the material list attached.				
1	Recessmounted luminaries size 2'0" x 2'0" PHILIPS Full Glow RC380B G2 LED 28S -6500 PSD OD WH	17	No		
2	Down lighter PHILIPS Green LED I 15000 DN194B LED 15S -6500 PSUWH S1	16	No		
3	4'0" Length LED Battern PHILIPS LINEA WALL / SURFACE LIGHT-31091 TRUNK LINEA 13W 3000K White LED	6	No		
4	9 W LED lamp with holder (WIPRO OR PHILIPS)	4	No		
5	Supply Installation testing and commissioning of 1200 mm sweep Ceiling fan with electronic regulator and all other accessories of approved make.	2	No		
6	Supply Installation testing and commissioning of 450 mm sweep wall mounted fan with all accessories.	11	No		
7	Supply Installation testing and commissioning of 300 mm sweep exhaust fan of approved make with all accessories.	2	No		
XI	<u>TELEPHONE POINTS</u>				
1	Supply all materials & wiring recessed/surface through wall, floor , ceiling, partitions etc. using 2 pair 0.5 mm telephone cable in 20 mm PVC conduit from the exchange concealed wall, floor, partitions etc. including the cost of modular 2 plate type telephone jack RJ-11 mounted in metal boxes, one separate cable for each point. No. of cables in one conduit limited to three. The rate is for average length & no cost is allowed for additional length.	10	No		
2	Supply and installation of KRONE connector telephone junction box of 20 pair.	1	No		
XII	<u>NETWORKING</u>				
1	Supply & laying of Cat 6 - 4 pair UTP cable	110	Mtr		
2	Supply & laying of 20mm casing capping / 25mm / Pvc conduit for laying UTP cable.	110	Mtr		
3	Supply & termination, fixing of Cat 6 information outlet (I/O single) with back box & phase plate.	9	No		

4	1 mtr (3 ft) length patch cord - Cat 6	9	No		
5	2 mtr (7') length patch cord - Cat 6	9	No		
6	Supply & erection of Cat 6 -16 port patch (jack) panel with IO loaded.	1	No		
7	Supply & fixing of 16 port 10/100 Mbps fast Ethernet switch (unmanaged).	1	No		
8	Wall mounting type 19" - 9U rack (HCL/ Exlan) with acrylic door with following accessories:				
	a. Power Manager - 1 No with 6 sockets				
	b. Cable Manger - 1 No, c. Canti Lever tray - 1 No				
	d. Hard ware Kit - 1 packet of 10 nos	1	No		
XIII	<u>SPLIT UNIT</u>				
	Supply ,erecting , testing and commissioning of following tonnage rating Wall mounted split unit with outdoor unit suitable to operate at 48°C ambient temperature compromising of TEFC blower motor,ondensing unit shall be complete with Inverter compressor/s & air cooled condenser with fan,ternary air filter,quiet operation,wide air supply angle,remote controller with LCD disply, easily removable front panel,with vertical auto swing,Auto-clean function and low noise under 50dB and ,suitable for operation on R-410A, copper tube aluminium finned direct expansion cooling coil, electronic expansion valve , fan motor, safely thermostat, over current relay, fuses, suitable for operation on 230~1Ph~50Hz A.C supply, proper drain connections . The quoted price should include appropriate capacity stabilizer, refrigerant piping and control cabling between outdoor and indoor unit, outdoor stand as per complete specifications(Make:- Carrier, Daikin)				
1	1TR	3	No		
2	1.5 TR	1	No		
3	2 TR	Quote only Rate	No		
XIV	<u>CASSETTE UNIT</u>				
	Supply, installation, testing, and commissioning of four way cassette with inverter compressor, Gas charging R22/R 407C/R32/R410A, Cordless remote, support and all necessary standard fittings as per drawing/site condition with Outdoor unit . The unit to be aligned , postioned with MS channel support as per the site condition/drawing.The quoted price should include appropriate capacity stabilizer, and control cabling between outdoor and indoor unit, outdoor stand as per complete specifications(Make:- Carrier, Daikin)				
	Make : Carrier, Daikin				
1	4.0 TR Four Way Cassette unit	2	No		
2	2.5 TR Four Way Cassette unit	1	No		

3	Supply and Installation of Refrigerant piping insulated with 19 mm thick nitrile rubber insulation between the condensing unit and the indoor unit,with Soft drawn/ Hard drawn copper pipes as required with brazed joints (1 m of discharge and 1 m of suction taken together as 1 m)and finished with necessary supports and fittings as per the specifications and drawings.	50	Mtr		
	NET TOTAL FOR ELECTRICAL & AC WORKS				

GST WILL BE PAID EXTRA AS PER APPLICABLE RATES.

Note –

1. Materials mentioned in the specification shall be used for the work. If specified material is not available prior approval of the Employer shall be taken to use other brands.
2. Preference of makes, supply of items should be consulted with client/consultant before effecting of supply.

NAME AND ADDRESS OF THE CONTRACTOR:

SIGN & SEAL OF THE CONTRACTOR:

Date:

Total Amount in words: Rupeesonly

Place:

Signature & Seal of the Tenderer

Date:

IN WORDS :

ELECTRICAL LAYOUT OF INDIAN BANK BALARAMAPURAM BRANCH

