


CLIENT
ZONAL MANAGER,
INDIAN BANK,
ZONAL OFFICE, PUNE
PROJECT
ELECTRICAL, DATA, AC, RENOVATION WORK OF BANER BRANCH (NEW premises)
PUNE CITY

TENDER FOR ELECTRICAL DATA AC WORK

1	Name and address of contractor	
2	Date of issue of tender	08.05.2026
3	Date and time of submission	21.05.2026 up to 4.00 pm
4	Date of opening	21.05.2026 at 5.00 pm
5	Period for completion of work	30 days from the issue of work order.
6	EMD	1% of quoted amount along with tender in form of DD issued by any nationalized bank.
7	Contractor should note:-	Time is essence of contract. Delay with result in penalty. AC units will be purchased by Bank thru GEM portal, in this AC work is only for installation of same.


ARCHITECTS
SATYAJIT RANE and ASSOCIATES
Architecture and ELECTRICAL DATA AC Designing
1076/24, Old Chaturringi Road,
Pune 411016.

TENDER NOTICE

Place Pune

Date

To,

ZONAL Manager
Indian Bank,
ZONAL Office
Pune.

Dear Sir,

Having examined the drawings, specifications, designs and schedule of quotation relating to the works specified in the memorandum herein after set out and having visited and examined the site of the works specified in the said memorandum at the rates mentioned in the attached schedule of quantities and in accordance in all respects with the specifications, designs, drawing and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions. Schedule of Quantities and Conditions of Contract and with such materials as are provided for by and in all other respects in accordance with such condition of contract and with such materials as are provided with such conditions so far as they may be applicable.

Should this tender be accepted, I/we hereby agree to abide by the fulfill the terms and provision of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to the Indian Bank the amount mentioned in the said conditions.

I/We have deposited a sum of 1% of quoted amount as earnest money with the Indian Bank which amount is not to bear any interest. Should I/We fail to execute the Contract when called upon to do so. I/we do hereby agree that this sum, shall be forfeited by me/us to the Bank of India.

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INTRODUCTION

1	Client	INDIAN BANK
2	Architect / Consultant	M/S. SATYAJIT RANE & ASSOCIATES. 1076/24, Old Chaturringi Road, Pune 411016. m: 9890084268
3	Location (Site Address)	Indian Bank, BANER Branch
4	Scope of work	ELECTRICAL, DATA, AC, WORK.
A	Issue of Tender	M/S. SATYAJIT RANE & ASSOCIATES
B	Submission of Tender	Indian Bank, Zonal Office Pune, 2 nd Floor, Hermes Waves, Kalyani Nagar, Pune - 411006
C	Likely date of opening of Tenders	21.05.2026 at 5.00 pm
5	Time limit for execution	30 Days from the date of award of work
6	Earnest Money Deposit	1% of quoted amount
7	Retention Amount	5% Through Bill
8	Penalty for delay	1% per week of part thereof up to maximum of 10%
9	Defect Liability Period	12 months (one full monsoon minimum)
10	Insurance	Contractors all risk policy (CAR policy)
11	Value of Interim Bill (Minimum)	50% of the contract amount

SPECIAL INSTRUCTIONS

- Tenderer may specially note the following.
01. Rates quoted by the tenderer shall be valid for a period of four months from the date of opening the tender. The rates shall be filled in both in words and in figures. All the rates shall be self-sufficient and firm.
 02. No upward revisions of rate will be accepted after opening the tender.
 03. If the tenderer fails to accept the order issued at the rate originally quoted by him or at rates negotiated subsequently, as the case may be, the earnest money shall be forfeited.
 04. The rates at which the work order is finally placed on the successful Tenderer, shall be valid till the completion of the work.
 05. Time Limit: - The entire work shall be completed within 30 days.
If in the opinion of the Employer / ELECTRICAL DATA AC designer, the works gets delayed due to causes which the Employer may consider being beyond the control of the contractor, the Employer at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in writing with detail reasons.
 06. While executing the work the contractors have to ensure that no inconvenience whatsoever is caused to the offices / people functioning in the premises.
 07. Adequate number of fire extinguishers, first aid boxes, must be provided on the site by the contractor.
 08. The Bank reserves the right to distribute the work among two or more tenderers.
 09. Permissible working hours: 9 AM. To 6PM. Or as per convenience of the respective department.
 10. The work shall be carried out without disturbing Bank's normal functioning.
 11. For working beyond office hours' prior approval shall be obtain from the Security In charge of the building. The client reserves full right either to accept or reject such request from the Contractors without assigning any reasons whatsoever.
 12. No worker of the contractor will be allowed to stay overnight at site.
 13. Bank reserves the right of addition or deletion of any item listed in B.O.Q. or may operate and Q.R.O. item. Also Bank reserves full right either to accept or reject any tender document.
 14. Quantities in tender are approximate and payment shall be make only as per actual measurements. Excess quantity shall not be executed without written permission amendment by the Bank. In case of upward or downward revision in quantities of items, the rate quoted by the Contractors shall remain firm at all the times.
 15. Rates quoted by the tenderer shall include basic cost of material, transport, insurance, sales tax, octroi, Excise duties & other levies, labour over hear profit etc. nothing will be paid extra on any account.
 16. On completion of the works the contractor shall clear away and remove from the site all constructional plant, surplus, materials, rubbish and temporary works of every kind and leave whole of the site and the works clean and in workman like condition to the satisfaction of Client. No extra payment will be made for this purpose.
 17. Selected contractor will have to enter into an agreement with the bank as per form os agreement given in the tender within seven days on being issued with the work order for commencement of work.
 18. Earnest money of successful contractor will be retained by the Bank as Security Deposit. In addition, the successful contractor has to deposit the balance amount of Initial Security Deposit to the Bank within fourteen days of issue work order. E.M.D. of unsuccessful tenderer will be returned after finalization of award of work.
 19. For any clarification in any item of work. The contractor should get the same from the ELECTRICAL DATA AC designer before carrying out the work and all items of work should be carried out with the approval of the Bank.
 20. RETENTION MONEY:
 - A) The retention percentage (i.e. Deduction form interim bill) shall be 5% of the gross value of each interim bill.
 - B) The maximum amount of retention money shall be the balance amount of the Total Security Deposit.
 - C) 50% of the retention amount shall be refunded to the contractor on virtual completion subject to the following:
 - i) Issue of Virtual Completion Certificate by the Premises Department.

- ii) Contractor's removal of his surplus materials, equipment, labour force, temporary sheds / stores etc. from the site (excepting for a small presence required if any for rectification during defect liability period and approved by the Bank)
 - D) The remaining 50% of the amount may be refunded 14 (fourteen) days after the end of defects liability period provided he has satisfactorily carried out all the works and rectified all defects in accordance with the condition of the contract, including site clearance.
- 21. Defect Liability Period: Defects pointed out during the defects liability period of 6 (six) months from the date of virtual completion of work. Will be satisfactorily rectified by the contractor at no extra cost to the Employer with end satisfaction.

LETTER OF OFFER
(On contractor letter head)

To,
The ZONAL Manager
INDIAN BANK
ZONAL Office
PUNE.

Dear Sir,

SUB: Proposed ELECTRICAL DATA AC WORK at BANER BRANCH for INDIAN BANK,
PUNE.

Having examined the contract documents, specifications and Bill of Quantities prepared by premises Section. I / We hereby offer to execute the subject work at the respective rates which I / We have quoted for the items in the Bill of Quantities (B.O.Q.) Further, I declare that before quoting the rates. I / We have visited the site and our rates are as per present site condition, Further I / We herewith deposit 1% of quoted amount for the proposed work as Earnest Money for due execution of the works at my / our tendered rates as per the items of Contract. In the event of this tender being accepted. I / we agree to enter into and execute the necessary contract documents as required by you, I am / we are aware that the Bank intends to complete the entire work as covered in the scope of this tender with in a period as mentioned in special conditions of the Contract, after the letter of intent is issued, I/we agree to complete the works within the said period.

As required by you, I / we are returning herewith the documents (in single) duly signed by us at each page in token of our acceptance of the provisions in the documents.

Authorized signature

Seal:

I / we agree to enter into and execute the necessary contract documents as required by you.

Signature, with Name & Full Address:

Tele No:

Email

Mobile No.

FORM OF AGREEMENT

THIS AGREEMENT made this day of, 20..... Between

 INDIAN BANK, The ZONAL Manager, INDIAN BANK, ZONAL Office,
 PUNE. (hereinafter called "the owner") of one part and of or whose registered
 office is situated at (hereinafter called: "the Contractor") of the other part.
 WHEREAS the owner is desirous of (hereinafter called "the work") at
 And has caused drawings and Bill of Quantities showing and describing
 the work to be done to be prepared by or under the direction of M/s Satyajit Rane & Associates, Pune,
 WHEREAS the Contractor supplied the owner with a fully priced copy of the said Bill of Quantities
 (Which copy hereinafter referred to as " the Contract Bill") AND WHEREAS the said drawings
 (hereinafter referred to as "the Contract Drawings") and the Contract Bill have contractor has
 deposited the sum of Rupees with the owner for due
 performance of this Agreement.

NOW IS HEREBY AGREED AS FOLLOWS

01. For consideration hereinafter mentioned the contractor will upon and subject to the conditions annexed carry out and complete the work shown upon the contract drawings and described by or referred to in the Contract Bills in the said conditions.
02. The owner will pay the Contractor the sum of Rupees (hereinafter referred to as "the Contractor Sum") or such other sum as shall become payable, there under at the times and in the manner specified in the said, Conditions.
03. The term "The Architect" in the said Condition shall mean the said M/s SATYAJIT RANE & ASSOCIATES, 1076/24, OLD CHATURSRINGI ROAD, PUNE 411016 in the event of his ceasing to be "ARCHITECT" for the purpose of this Contact, such other persons or persons as the owner shall be nominated for that purpose, not being a person to whom the Contractor shall object for reasons considered to be sufficient by the Employer, PROVIDED ALWAYS that no person subsequently appointed to be "Architect" under this contract shall be entitled, to disregard or overrule any certificate or opinion or decision or approval or instruction given or expressed by earlier " ARCHITECT".
04. The said Conditions thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in such Conditions contained.
05. All disputes arising out of the contract shall be referred to Arbitration as per the condition stipulated in clause of "Special Condition of Contract".

AS WITNESS the hands of the said parties

Signed by the said

In the presence of witness

NAME

OWNER

ADDRESS

Signed by the said

In the presence of witness

NAME

OWNER

ADDRESS

SPECIAL CONDITIONS

01. **ESTABLISHMENT:**
It is essential condition of this contract that the successful tender shall establish an office in PUNE for the period of Contract and a duly authorized representative shall always be available in PUNE Office to deal with all matters concerning this Contract.
02. **TIME LIMIT**
The entire work shall be completed within 30 days' form date commencement which shall be FOUR DAYS from the day of acceptance letter is issued to the contractors or the day on which contractor is instructed to take possession of the site, whichever is later.
03. **TERMS OF PAYMENTS**
The following terms of payments shall apply:
a) Running Account bills will be paid on item rate basis as certified by our Architect / Bank engineer and based on bank" security, taking into consideration actual work completed and in progress.
b) Any work done at factory will not be counted in the running accounts bills until the Material is brought to the site work.
04. **RIGHT TO DISTRIBUTE WORK**
The Bank reserves all rights to divide, distribute the tender items to more than one agency, delete any item or operate items quoted as rate only.
05. **ELECTRICAL SUPPLY**
Bank will provide free water and power required for the works. However, the Contractor shall make his own arrangements to draw the power and water from source as decided by the Bank / Architect.
01. **PROGRAM WORK AND PROGRESS REPORTS:**
The successful contractor will have to submit a detailed bar-chart indicating the schedule of various activities from the date of commencement till completion and get the same approved by Architect. Contractor shall strictly adhere to the same. This program shall from part of the contract and shall be binding on the contractor. However, the bank reserves the right to alter the program, if necessary, from time to time, no claim whatsoever of any nature by the Contractor on this account shall be entertained by bank. They shall also have to write their requirements about co-ordination from other agencies working at site.
- 07 **OFFICE / STORES ON THE SITE**
The contractor shall provide for all necessary storage on the site in a specified area for all materials, which is likely to deteriorate by the action of the sun. Rain or other materials, causes die to exposure, in such a manner that all such materials, Tools, etc., shall be duly protected from damage by weather or any other cause. All such stores shall be cleared away and the ground left in good and proper order on completion of this contract unless otherwise expressly mentioned therein.
08. **TESTING OF MATERIALS AND WORKS AND PREPARATION OF SAMPLES**
The contractor shall, is required by Architect / Bank, arrange to test materials and / or portion of the work at his own cost in order to prove their soundness and efficiency. If after any such test, the material or portion of work is found, in the opinion of the Architect and employer to be defective or is found, in the opinion of the Architect and employer to be defective or unsound, the contractor shall pull down and re-erect the same at his own cost. Samples of materials and workmanship shall be submitted by the contractor for the Approval of the Architect / Bank before procurement and execution.
09. **NOTICE:**
The contractor shall comply with all acts and regulations for the successful completion of the contract works and shall give due notice and pay all fees / taxes etc. as per statutory requirements.
10. **MEASUREMENT IS TO BE RECORDED BEFORE WORK IS COVERED UP :**
The contractor shall take joint measurements with the Architect / Bank representative before covering up or otherwise placing beyond the reach of measurement any item of work should the contractor neglect to do so, the same shall be uncovered at contractor's expense or in default thereof on payment or allowance shall be made for such work or the materials with which the same, was executed.
11. **DIMENSIONS**

Figured dimension are to be followed in all large scale details take precedence over small scale drawings. In general, the drawings shall indicate the dimension's positions and type of construction, the specification shall indicate the qualities and methods, and the bill of quantities shall indicate the quantum and rate for each item of work.

Any work indicated in the drawings and not mentioned in the specifications or vice-versa shall be furnished as though fully set forth in both. Any ambiguity, conflict of interpretation, errors or inconsistencies discovered in the drawings / documents shall be promptly brought to the provisions giving more rigorous interpretation shall prevail but in the event of disagreement between the contractors and the supervisors, decision of ELECTRICAL DATA AC designer shall be final in case of any discrepancy, the contractor is to ask for an explanation before proceeding with the work. However, specifications will prevail over the drawings.

14. **ACTION WHERE THERE IS NO SPECIFICATION:**

In case of any class of work over which there is no specification mentioned, the same shall be carried out in accordance with the latest Indian Standard Specifications subjects to the approval of the Architect / Bank.

15. **CLEARING OF THE SITE OF WORKS:**

The contractor shall clear the site of works as per the instruction of the Architect / Bank. The site of works shall be cleared of all men, materials, shed, etc. belonging to the contractor. The site shall be delivered back to the Bank in a clean and neat condition within a period of one week after the job is completed. In case of failure by the contractor, the Bank will have the right to get the site cleared at the risk and the cost of contractor.

16. **OCCUPATION OF PARTIALLY COMPLETED PORTION BY THE BANK:**

The Bank shall be entitling to and will be at liberty to occupy even the partially completed portion of the work by themselves or through their agents and servants if they so desire. Necessary extension of time for completing the work shall have no claim for any compensation whatsoever due to the delay, if any involved in completing the work on account of partial occupation.

17. **TYPOGRAPHICAL OR CLERICAL ERRORS:**

The Architect's / Bank clarifications regarding drawing / details or particulars to typographical or clerical errors shall be final and binding on the contractor.

18. **INSURANCE:**

The contractor shall obtain adequate insurance cover at his own cost for work against any loss or damages as well as workman compensation and third party risk, until the date of virtual completion of the work. The insurance cover shall be in joint names of the owner and the contractor, is to be deposited with the owner within 21 (twenty one) days from the date of issue of work order.

19. **PERFORMANCE GUARANTEE FOR ALL BOUGHT OUT ITEMS:**

Contractor shall submit written performance guarantee from the manufactures of all bought out items.

20. **LANGUAGE OF TENDER:**

"English" is the official language of this tender.

21. **DOCUMENTS TO BE COMPLEMENTARY:**

22. All sections of contract document and working drawings shall be complementary to each other. In case of ambiguities, discrepancies or contradictions between any two sections. Bank/ Architects decision shall be final and binding on the contractor for interpretation of same.

20. **CONTRACTOR'S SUPERINTENDENCE:**

The contractor shall appoint a qualified and experienced person to supervise the work at site. The contractor shall obtain the approval from Bank / Architect about competence of such person.

21. **INSPECTION BY CONTRACTOR:**

The contractor shall inspect all the works and satisfy himself before same is offered for inspection to the Bank / Architect.

22. **REMOVAL OF DEBRIS:**

Contractor shall arrange to dispose off debris, wood shaving and any other waste product created while carrying out the work, outside Bank's premises. The contractor shall take due care while disposing of such waste materials and ensure that any rules / regulations laid down by Municipal Corporation or any other statutory body are not violated. The contractor shall be responsible and answerable to any complaint arising out of improper disposal of

waste material. Quoted rates shall involve the cost of same and no extra payment shall be made towards this account.

23. **MOCK UP:**
The Contractor shall prepare a mock-up of items, if required, strictly in accordance with the specification, free of cost, for approval of Architect and bank. The work on these items shall proceed further only after the approval of the mock-up.
24. The contractor shall submit original copies of invoices, order forms for any materials purchased for project work, to the bank / Architect if called for.
25. The contractor shall calculate realistic quantities after receipt of drawings and after submitting first interim bill but before submitting, the second interim bill Bank / Architect.
26. The rates quoted by the tenderer in the schedule of quantities will be deemed to be for the finished work and shall include all charges for :
- a) Labour, maintenance, fixing, arranging, cleaning, making. Good, hauling etc.
 - b) Plant, double, scaffolding, frame work, ladders, ropes, nails, spikes, tools materials, workmen, protection from weather, temporary support, platform, and maintenance of the same. Insurance for labour materials and third party.
 - c) Covering for the walling and other works during inclement weather or strikes or whenever Directed, as necessary.
 - d) All temporary canvas, lights, tarpaulin, barricade, water shoots etc.
 - e) All measures required to be taken for protection of NEW works.
 - f) All such temporary weather-proof sheds at such places and in a manner approved by the Architect for the storage and protection of materials against the effects of sun and rain.
 - g) Testing of materials as per paragraph - 8 of "Special Conditions of Contract".
 - h) No tools and plants shall be issued by the Bank under the Contract.

27. **ITEMS ADDITIONAL TO TENDERS:**

- I) The rate of the additional items / non tender items shall be based on the rates quoted by the tenderer for similar items or based on analogues items available in the tender.
- II) Where applicable rates are not directly available, the rates for extra items if any shall be Derived based on the prevalent market cost of labour and material at site of work including wastage (maximum 5%) plus all types of taxes plus 15% towards contractor's overhead and profit.

28. **ARBITRATION**

All disputes or differences of any kind whatsoever which shall at any time arises between the parties here to touching or concerning the works or the execution or maintenance thereof this contract or the rights touching or concerning the works of the execution of maintenance thereof of this contract or the construction remaining operation of effect there of or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or branch of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final binding) shall after written mentioned be referred for adjudication to a sole arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole arbitrator referred to above, the Employer will send within thirty days of receipt of the notice, to the contractor a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.

The contractor shall on receipt of the names as aforesaid, select any one of the person's name to be appointed as a sole arbitrator and communicate his name to the Employer within thirty days of receipt of the names. The Employer shall thereupon without any delay appoint the said person as the sole arbitration. If the contractor fails to communicate such selection as provided above within the period specified, the Competent Authority shall make the selection and appoint the selected persons as the Sole Arbitrator.

If the Employer fails to send to the contractor the panel of three names as aforesaid within the period specified, the contractor shall send to the Employer a panel of three names of

persons who shall all be unconnected with either party. The Employer shall no receipt of the names as aforesaid select the person's name and appoint him as the sole Arbitrator. If the Employer fails to select the person and appoint his as the sole Arbitrator. If the Employer fails to select the person and appoint his as the sole Arbitrator within 30 days of receipt of the panel and inform the contractor accordingly, the contractor shall be entitled to appoint one of the persons form the panel as the sole arbitrator and communications his name to the Employer.

If the Arbitrator so appointed is unable or unwilling to act or resign his appointment or vacates his office due to any reasons whatsoever another sole Arbitrator shall be appointed as aforesaid.

The work under the contractor shall however, continue during the arbitration proceedings and no payment due or payable to the contractor shall be withheld on account of such proceedings.

The Arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the first hearing.

The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the award.

The arbitrator shall give a separate award in respect of each dispute or difference referred to him. The arbitration shall decide each dispute each dispute in accordance with the terms of the contract and give a reasoned award. The venue of arbitrator 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 by each of the parties. The cost of the reference and of the award including the fees, if any, f the arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle and amount of cost to be paid.

The award of the Arbitration shall be final and binding on both the parties.

Subject to aforesaid the provisions of the Arbitration Act 1992 or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the Arbitration proceeding under this clause.

The Employer and the contractor hereby also agree that arbitration under clause shall be a condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to Arbitration.

General Notes:

01. All dimensions are in MKS/Sft system. unless otherwise stated.
02. The quoted rate shall be all inclusive and cover the cost of material including wastage, freight, all types of taxes, duties, royalties, erection, construction, testing of materials, if required samples brought for approval, tools and tackles, plant and equipment's, supervision, overheads, profit and any other expenditure incurred for completion of work as per drawings, specifications and to the full satisfaction of Bank / Architect.
03. The rates quoted shall be valid for working at all heights, depths, and on all floor levels, no extra payment shall be made for scaffolding, staging, ladders etc. for transportation of men and materials at higher or lower levels.
04. The item rate specification is indicative. The Contractor will have to carry out the work in accordance with the drawings, technical specifications and / or other conditions laid down in tender document and to the full satisfaction of Bank / Architect.
05. Quantities mentioned against respective items are approximate and can vary to any extent. Payment shall be made on actually executed quantities.
06. No claims shall be entertained in case of increase or decrease in quantities Bank / Architect reserve the right to increase / decrease quantities of any item and also to add / delete any item in totality.
 - a) Bank, Architect reserve right of Operating any item for any work on any floor.
07. The rate for partition, paneling shall include necessary additional frame work supports that may be required to suit site conditions or stability of the item. Decision of Architect in regards to the need for such additional supports shall be final.
08. Rates for partitions, paneling shall include making of necessary cut outs, chasing to be made for conduits, switch boards etc.

09. After completion of work the site shall be handed over absolutely clean, after ensuring that all laminates, floors, walls, etc. are spotless clean.
10. Rates of all items shall remain constant irrespective of floor level and no extra shall be paid for handling and stacking of materials, removing debris etc. from the site.
11. Unless otherwise noted, the method of measurement will be as per I.S. 1200.
12. Bank / Architect reserve the right of operating all 'Quote Rate Only' items.
13. Wherever contractor proposes to use 'equivalent' makes (i.e. other than specified) he shall obtain Bank's prior approval. Bank may ask Architect before giving approval to the same. Any additional cost and time lost due to this will be on Contractor's account and no claims will have entertained.'

APPENDIX**LIST OF MATERIALS OF APPROVED BRAND / MANUFACTURER**

(First Quality to be used, for all branded materials, original certificate from manufacturers to be submitted)

Unless otherwise approved the following brands shall be used for these works

NO.	ITEMS	MAKES RECOMMENDED
1.0	MV SWITCHGEAR	
1.1	MCCB	L& T
1.2	MCB/DB	L& T
1.3	ELCB/RCCB	L& T
1.4	HRC fuses	L& T
1.5	Starters and contactors	L& T
1.8	Panel fabrication	To CPRI specs.

2.0	AUXILIARY EQUIPMENTS	
2.1	Relays (OL & EF)	EE, SEGC, ABB,
2.2	PF Relay	Epcos, Ducati, Bauluk
2.3	Timer	Prottime, L&T, MDS
2.4	Energy meter	Enercon, Krycard, AE, Socomec
2.5	Indicating meter	AE, MECCO, Socomec, Enercon
2.6	Control fuses	L& T
2.7	Signal lamps	Preciessa (Solid state) Teknic, Raas, Siemens, Vinay (LED)
2.8	Push buttons	Siemens, BCH, Teknic, Rass
2.9	Connectors	WAGO, Connect-Well, Jainson
2.10	Current/Voltage transformers	Kappa, SEGC, AE, Indcoil
2.11	Capacitor	Momya, Khatau, Crompton, Aswani,

3.0	CABLING	Finolex FRLS
3.1	Cables	Finolex
3.2	Glands	Commet, Braco, Dowels
3.3	Lugs	Dowel, Ismal, Jainson
4.0	Wiring	
4.1	PVC conduit	Precision Plastic Industries ,
4.2	Wires	Finolex FLRS
4.3	Switches & Socket	Anchor Roma
4.4	MS Accessories	BEC, VIMCO, BI, NIC
5.0	LIGHT FITTINGS & FANS	
5.1	Light fittings	As per BOQ
5.2	Ceiling fans	Usha, Crompton, Khaitan, Bajaj
5.3	Exhaust fans	GEC, Crompton, Khaitan
6.0	LOW VOLTAGE SYSTEM	
6.1	TV cable	Finolex or equivalent
6.2	Speaker	Philips,
6.3	BG&Hooter, detectors, Panels	TAC/Fire Dept., U/L approved make

6.4	Access control	HID, Honeywell , Cardex
6.5	Telephone cables	Finolex/Delton
6.6	Tag blocks	Krone
6.7	Data/Voice cable, I/O	Avaya, Molex, Panduit, AMP,

Note:- The material supplied / installed by the vendors should adhere Bureau of Energy Efficiency (BEE) standards. Some of the appliances and its minimum threshold BEE star rating are

Sl no	Appliance	Threshold star rating
1	Split Air Conditioner	5 Star
2	Window Air Conditioner	5 Star
3	Room Air Conditioner (Cassette, Floor Standing)	5 Star
4	Light Commercial Air Conditioner	4 Star
5	Frost Free Refrigerator	4 Star
6	Direct Cool Refrigerator	4 Star
7	Storage Type Electric Water Heater	5 Star
8	LED Lamps	5 Star
9	Ceiling Fans	5 Star
10	Distribution Transformer / Board	3 Star

Any other items / appliances approved by BEE are also available at www.beestarlabel.com. All the materials should have BIS standard norms.

PROJECT: INDIAN BANK BRANCH AT BANER BRANCH PUNE					
CLIENT: ZONAL OFFICE, PUNE					
SITE ADDRESS: BANER, PUNE					
Switchgear: Lauritz Knudsen, MDS, LEGRAND					
Panel: As per CPRI specs					
Cables: Finolex/polycab FLRSH					
Switches: Anchor Roma, Legrand					
Fans: BDLC Atomberg/Crompton white colour only					
Cat 6 and accessories: Dlink.					
RECAPITULATION					
					RS
B	ELECTRICAL WORK				
C	DATA CABLING AND COMPUTER POINTS WORK				
D	AC WORK (INSTALLATION WORK ONLY, AC UNITS WILL BE SUPPLIED BY BANK)				
TOTAL					
GST as applicable					
B ELECTRICAL WORKS					
NO	ITEM	UNIT	qty	rate	amount
<u>SECTION - A</u>					
-					
2	<u>MAIN INCOMING PANEL (MIP)</u>	nos	1		
Supply, installation, testing and commissioning of wall /floor mounted indoor type, air insulated, totally enclosed vermin-proof, dead front, cubicle type, 2 mm thick sheet steel enclosure main incoming panel (MIP) suitable for use on 415 V, 3 Ph., 4 wire, 50 Hz. A.C. system, instrumental panel, CTs, incoming and outgoing cable compartment. Each unit shall be accommodated in a totally separate compartment having gasketted hinged door with locking arrangement. The Panel shall be complete with switches of following ratings, interconnection, G.I. earth busbar of adequate size covering the total length of switch board with drilled holes, G.I. bolts, nuts, washers, etc. The cubicle should be painted with 2 (two) coats of light grey synthetic enamel paint over two coats of zinc chromate primer. Danger sign board in English, and Marathi.					
The complete fabrication, construction shall be done as per the detailed specification and conforming to the relevant IS. Name plate of Panel, Danger Board, incoming and outgoing feeders with Ampere rating of switches / change over switch are to be fixed up on front door above or below the respective switches. Short circuit I.C. of all MCBs should be of 10 KA (min.) The contractor shall submit the fabrication drawing for approval before fabrication.					

	The MIP consists of the following				
	<u>INCOMING :</u>	-	-		
	1 No. : 415V 100A 4P MCCB (25KA min.) having O/L & S/C protection device.				
	1 No. : 415V 25A TPN MCB				
	6 Nos. : Phase indicating lamps.				
	3 Nos. : 150/5A CTS				
	<u>2 sections of PVC sleeved TPN Tinned Copper Busbar</u>	-	-		
	a) 25mm x 6mm for phases & neutral for one section &				
	b) 20mm x 5mm for phases & neutral for other section.				
	<u>G.I. EARTH BUSBAR</u>	-	-		
	25mm x 6mm covering the total length of panel.				
	<u>Outgoing</u>	-	-		
	2 nos. 415V 63A TPN MCB				
	3nos. 415V 32A /40A TP MCB				
	4 nos. 240V 32A/40A SP MCB				
	6 nos. 240V 16A/20 A SP MCB				
3.5	<u>ATM BOARD: -</u>	nos	1		
	40/32 Amps DP MCB in MS enclosure box				
3.6	<u>UPS POWER DISTRIBUTION BOARD</u>	nos	1		
	4 Way TPN DB consist of				
	Incomer: -63 Amps DP MCB - 1 No.				
	Outgoing: -63 Amps DP MCB - 1 No.				
	TOTAL SECTION A				
	SECTION - B				
	<u>POWER CABLE & TERMINATION: -</u>				
1	Supplying, Installation, Testing & Commissioning of LT Cable rated for 600 / 1100 Volts AC as per IS Standard with necessary accessories and termination as required.				
2	3 .5 Core X 50 Sq.mm. Aluminum armoured cable from Meter Room to Main Power Panel with 2 Nos. of 12 SWG Copper Earth Wire. including crimping	per m	15		
3	4 Core x 6 sq.mm Copper armoured cable with 1 no. of 12 SWG earth wire from MPP to AC DB.	per m	0		
4	10 Sq.mm x 2 nos Copper PVC insulated wire from UPS output to UPS DB with 1 no of 6 sq.mm Copper earth wire.	per m	12		
5	25 sq.mm x 4 nos of lead wire from meter to Main switch in Meter room.	per m	5		
6	2x4 sq.mm +1x1.5 sq.mm thru M.S conduit from main panel to glow sign Board	per m	5		
7	3.5 Core 50 sq.mm PVC insulated Alu armoured cable with 2 nos 8 SWG G.I. wire as running earth.	per m	12		
	TOTAL SECTION B				

SECTION - C					
LIGHT POINT with WIRING					
Note: The point mention below is inclusive of circuit wiring. Aa Switch boards should be connected with separate circuit from main panel					
Point wiring with 1100 V grade 3 nos. single core 1.5 sq.mm. (1 for phase, 1 (black colour) for common neutral by looping method and 1 (green colour) for common earth by looping method) PVC insulated flexible FRLS copper conductor cable (IS:694) through PVC Conduits of 25mm/20mm of 16 gauge thickness (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall from light & fan switch board to light, fan & 6A socket outlet on the same switch board or separately mounted switch board. The work includes supply and fixing of all materials as specified make modular type 6A switch for each light and fan point, 6A 2/3 pin shuttered socket outlet with switch, 3 plate ceiling rose / angle or batten holder etc. as required.					
The point wiring also includes circuit wiring with 1100 V grade 2 nos. single core 2.5 sq.mm. (1 for phase and 1 (Black colour) for neutral) + 1 no. single core 1.5 sq.mm. (Green colour for earth) PVC insulated flexible (FRLS) copper conductor cable (IS:694) through suitable size PVC. conduit as described above from DB to switch board, interconnection, mending good all damages to original finish, painting etc. as required to be completed in all respect. All connections of wires to be done by means of "Wago" type connectors. (All wiring in strong room, locker room, records & stationery room will be of surface conduit type).					
1	Primary Light Point	nos	35		
2	Wall Bracket Fan Point with 2/3 Pin socket (to be installed at Fan height and switch)	nos	6		
3	Ceiling Fan Point with supply and fixing of 2 Module step regulator/dimmer (280 W min)	nos	5		
4	Exhaust Fan Point	nos	3		
5	Call Bell Point with Push Bell (Indicator Type or Ding Dong)	nos	1		
6	1x6A 2/3 pin shuttered socket with switch on separate switch board other than fan/light switch board.	nos	8		
7	1x6A 2/3 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	8		
8	1x16A 5 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	8		
9	AC POWER POINT with WIRING: -	Each	6		

	A.C. power point wiring from DB with 1100 volt grade 2 Nos. single core 4 sq.mm. + 1 No. 2.5sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall. The work includes supply & fixing by chase cutting on wall, 'North-West' make A.C. power unit having 25A 3 pin socket with matching plug, 20A Starter in sheet steel enclosure with 4 module plate, mounting box complete with interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors.				
10	Supply and fixing of 16/6A 6 pin shuttered socket outlet with switch & indicator, mounting box and suitable size front plate on wall just opposite to Switch Board of Strong Room / Locker Room and supply of 1.1 KV grade 3 core 2.5 sq.mm. round PVC insulated and PVC sheathed flexible copper conductor cable of 1.5 meter length having one (1) no. 16A 3 pin plug at one end and the other end will be permanently connected to the Switch Board inside the room including interconnection, chase cutting, mending good all damages to original finish, painting, etc. as required.	NO	1		
TOTAL SECTION C					
SECTION - E					
LIGHT FIXTURE: -					
	Supplying, Installation, Testing & Commissioning of following light fixtures complete of approved make as per specification with all fitting, accessories such as Junction Box, Hardware, Starter, Connector, Lamps, Tube etc. fittings and make as mentioned below consist of electronic ballast & color 84 PL tube with direct & indirect lighting, all fitting, accessories such as Chain Link Support on Ceiling/ wooden framework approved by Architect. (Before Installation Sample must be shown to Architect)				
a	PHILIPS MAKE RC 3808 LED 25 6500 PS OD WH	Nos	14		
b	PHILIPS MAKE DN 191B LED 6S -6500 PSU WH	Nos	11		
c	PHILIPS MAKELED TUBE LGHT 40 W	Nos	10		
6	CROMPTON CEILING FAN 1200MM dia, white colour with all accessories.	no	4		
7	300mm Exhaust fan with all accessories with mounting ring and louver Complete(white colour only) GEC make.	no	3		
8	400mmdia wall bracket fan with all accessories (White Colour Only metal blades only))	no	5		
9	Supplying and fixing on wall call bell buzzer (approved by Consultant) suitable for 240 volt single phase A.C. supply including interconnection, etc. as required.	no	1		
TOTAL OF SECTION -E					
SECTION - F					
TELEPHONE CABLING: -					

1	S/I/T/Commissioning of 20 pair telephone unarmoured cable from service point to Krone Box INCLUDING CONDUIT/CASING CAPPING (Make - Finolex / Delton / Polycab)	per m	15		
2	<u>TELEPHONE JUNCTION BOX</u>				
	Supply and fixing of 25 pair telephone junction box "Krone" make on wall /furniture/partiion with hinged cover and screwed type tag strips complete with chase cutting, mending good, painting etc. as required. Inc (Make - Krone type Delton / ITL)	per nos	1		
3	<u>TELEPHONE WIRING</u>	per m	100		
	Supplying and laying of 2 paid 0.50 mm dia Telephone cable through pre - laid rigid PVC conduit as shown in the drawing or otherwise as directed by the consultant from Telephone Junction box to Telephone socket outlet including interconnection, mending good, etc, as required to be completed in all respect. including conduit				
4	<u>TELEPHONE SOCKET</u>	per nos	10		
	Supply and fixing on wall / furniture / partition recessed type Legrand/North - West/Novar make Telephone socket outlet (RJ 11) with mounting box & front plate as shown in the drawing complete with chase cutting, mending good etc. as required.				
TOTAL OF SECTION - F					
SECTION - G					
MISCELLANEOUS WORK: -					
3.5.1	Earthing the installation as per I.E. rules conforming to IS:3043-1987 or its latest amendment by making earth station with 600mm x 600mm x 6mm (minimum) thick copper plate electrode to be installed such that its top edge shall be at a minimum depth of 3.0 metre below ground level after preparation of ground with charcoal and salt and connecting the 25mm x 6mm copper earth lead-in-strip (upto 10 metre length) by bolting and then brazing to the copper plate complete with copper bolts of suitable length double nuts and washers including supply and fixing of 50mm dia. partly perforated G.I. pipe with funnel for watering arrangement. The copper earth lead-in-strip shall be PVC sleeved / insulated throughout the total length and the underground portion to be laid through suitable size heavy duty rigid PVC conduit (ISI mark embossed on conduit surface) at an average depth of 500mm below ground level.				
	The earthing installation should be provided with 300mm x 300mm and 300mm depth inside dimension masonry inspection pit with C.I. hinged cover having locking arrangement and restoring the surfaces duly rammed	Each	2		
3.5.2	Earth lead-in-strip exceeding 10 metre length as mentioned in item no. 3.5.1. with supply and fixing of 25mm x 6mm copper strip having PVC sleeved / insulated to be fixed on wall surface with tinned copper bar saddles / clamps at an interval of 300mm etc. as required to be completed in all respect. Minimum clearance between wall surface and copper earth lead-in-strip should be 6mm.	Mtr.	15		
TOTAL OF SECTION - G					

	SUMMARY				
	TOTAL SECTION A				
	TOTAL SECTION B				
	TOTAL SECTION C				
	TOTAL SECTION E				
	TOTAL SECTION F				
	TOTAL SECTION G				
B	ELECTRICAL GRAND TOTAL				
	DATA CABLING AND COMPUTER POINTS				
	COMPUTER SOCKET POINT: - (thru UPS supply only)	Set	12		
	Computer socket outlet cluster point wiring with 1100 V grade 3 nos. single core (1 for earth, green colour) 1.5 sq.mm. PVC insulated flexible FRLS copper conductor cable conforming to IS : 694 through suitable size rigid PVC.conduit (ISI mark embossed on conduit surface) and conduit accessories partly through concealed in wall, embedded in floor, partly on surface above false ceiling and partly through partition or through flexible conduit from CDB to computer socket outlet cluster as detailed below and upto connection of 2 nos. socket clusters in 1 (one) circuit connecting by looping method. The work includes supply and fixing of socket outlet clusters components (Legrand/North - west/Novar make) as detailed below.				
	Each computer socket outlet cluster comprising the following :				
	3 nos. 6A 2/3 pin modular type shuttered socket				
	3 nos. 6A modular type controlling switch				
	1 no. 16 /6A 6 pin modular type shuttered socket				
	1 no. 16A modular type controlling switch				
	1 no. Front cover of suitable size				
	1 no. Mounting box of suitable size				
	Note:- All power supply is thru UPS DB. The Control switch is to be located in another board above table. The supply socket is located on another board below table.				
3.3	UPS Power Distribution Board	nos	1		
	4 Way TPN DB consist of				
	Incomer: -63 Amps DP MCB - 1 No.				
	Outgoing: - 10/16 Amps SP MCB - 14 Nos.				
3.4	UPS INPUT and OUTPUT consist of	nos	2		
	63 Amps/40 Amps DP MCB in MS enclosure box				
	SECTION - G				
	MISCELLANEOUS WORK: -				
	COMPUTER POINTS				
1	DATA CABLING (including conduit casing capping)				

2	SUPPLY & INSTALLATION OF CAT 6 UTP CABLE	per m	450		
3	CAT 6 INFORMATION OUTLET WITH FACE PLATE	per no	10		
4	24 PORT CAT 6 JACK PANNEL (EXISTING)	per no	1		
5	3 FT. PATCH CORD CAT 6	per no	10		
6	7 FT. PATCH CORD CAT 6	per no	10		
7	24 PORT 10/100 FAST ETHERNET SWITCH	per no	1		
8	12 U WALL MOUNTING 19" STANDARD NETWORKING RACK	per no	1		
B	DATA CABLING COST				
	TOTAL DATA +COMPUTER POINTS				
	AC WORK				
	LOW SIDE WORK				
1	EXTRA REFRIGERANT PIPING	Mtr.	25		
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From Indoor to outdoor Units) Beyond 5 M.Item to include piping to be concealed done in chases and filled up POP. Complete				
2	DRAIN PIPING	Mtr.	25		
	Providing and fixing drain piping 25mm/35mm Hard PVC pipe up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
3	AIR-CONDITIONERS STAND	Nos.	6		

	MS-STAND - Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all- round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the employer. Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit of specified tonnage above mentioned. Complete.				
6	ELECTRICAL CABLES	Mtr.	30		
	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for tonnage mentioned above Complete Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / 1.5/2.5 -6.0 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1/2"/2" PVC conduit pipe between indoor/outdoor unit, Complete.				
7	TIMER	Nos.	1		
	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).				
8	CORE CUTTING	Mtr.	3		
	Core cutting member in RCC/Non RCC civil for passing of copper and drain pipe and packing and sealing the the opening with cement mortar/waterproffing compund				
9	PUMP	Nos.	6		
	Providing and fixing on site Hiwall unit water condensate discharge Pump for each machine, Aspen make. Complete				
	TOTAL OF PART B				
	Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation, other expenses etc. to site only GST will be paid Extra				
	TOTAL AC				