



Aryavart Bank
Head Office
Lucknow

Tender Ref. no. HO/A&S/PVS/676/2021-22

Date: 23.09.2021

TENDER NOTICE

ELECTRICAL & LAN WORKS FOR ARYAVART BANK AT HEAD OFFICE AT A-2/46, VIJAY KHAND, GOMTI NAGAR, LUCKNOW -226010.

The bank invites tender from bank's empanelled contractors under electrical contractors category for the above mentioned work for which schedule of quantities, general conditions, special conditions/additional conditions are available at bank's website <http://www.aryavart-rrb.com> and the same is available at Bank's Head Office at Aryavart Bank A-2/46, Vijay Khand Gomti Nagar, Lucknow-226010.

Sealed tenders accompanied by a Bank Draft for Rs. 25000.00 (Twenty five thousand) in favour of **Aryavart Bank**, payable at **Lucknow (U.P.)** as earnest money should reach Bank's Head Office at A-2/46, Vijay Khand, Gomti Nagar, Lucknow-226010 on or before 3.00 P.M. on date 18.10.2021 in sealed cover. The tenders shall be opened on the same day at 3.30 P.M. The tenders received late on account of any reason whatsoever shall not be entertained.

The tender shall be valid for a period of not less than **90** days of opening of tender.

Time of Completion **21** days (From date of award of work)

Aryavart Bank, shall not be bound to accept the lowest tender & reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever.

Yours faithfully,

Satyendra Kumar
(General Manager)

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LETTER SUBMITTING TENDER

To,

Dear Sir,

With reference to the tender invited by you for the work _____

I / We do hereby offer to execute the work under contract at the respective rates mentioned in the Schedule of quantities. I/We have seen the site, understood the general conditions of contract, schedule of quantities etc.

I / We agree to execute the work as per specification, general conditions of contract, special conditions, additional conditions, schedule of quantities etc.

I / We have deposited Earnest Money Rs. **25000.00** by demand draft which amount is not to bear any interest. I/We do hereby agree that this sum shall be forfeited by you in the event our tender is accepted and I / We fail to execute the contract when called upon to do so.

I / We understand that you are not bound to accept the lowest or any tender that you receive.

Yours faithfully,

(SEAL & SIGNATURE OF CONTRACTOR)

- 1) Name of partner (s) of the firm
- 2) Name of our banker
- 3) Demand Draft No. _____, Dated _____

Tender submitted on _____ before _____ P.M.

SPECIMEN COPY OF AGREEMENT

(Subject to change in order to availability from Head Office)

For works exceeding Rs. 1.00 Lac agreement should be drawn on Stamp Paper.

ARTICLES OF AGREEMENT:

Agreement made at _____ this _____ day of _____ between
Aryavart Bank, Head Office, at A-2/46, Vijay Khand, Gomti Nagar, Lucknow
(U.P.)

herein referred to as Aryavart Bank, Head Office, Gomti Nagar, Lucknow (U.P.) which expression shall include its heirs, executors,,
administrators and assigns of the one part and

herein referred to as the successful tenderer/contractor which expression shall include his heirs, executors, administrators and assigns of
the other part. Whereas Aryavart Bank, Head Office, (U.P.) is desirous of carrying out of the work
_____ and has caused specifications etc.
describing the work to be done as per schedule of quantities, along with the general conditions of contract, special conditions, additional
conditions etc. and whereas the contractor has agreed to execute the work described in said priced schedule of quantities, general
conditions of contract, special condition, additional conditions at the respective rates mentioned in the priced schedule of quantities
attached.

Whereas the contractor has deposited Rs. _____ with the Aryavart Bank, Head Office, Gomti Nagar, Lucknow (U.P.) as earnest
money for due performance of the agreement.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the payment to be made to the contractor as herein provided he shall upon and subject to the said conditions
execute and complete the work as per the said conditions and priced schedule of quantities.
2. The Aryavart Bank, Head Office, (U.P.) shall pay the contractor such sums as shall become payable hereunder at the times and in
manner specified in the conditions.
3. The said conditions shall be read and form part of the agreement and the parties hereto shall respectively abide by and submit
themselves to the conditions and stipulations and perform the agreement on their parts respectively on such conditions contained.
4. All disputes arising out of in any way connected with this agreement shall be deemed to have arisen in only the Court/Arbitrator in
Lucknow shall have jurisdiction determine the same
5. The several parts of this contract have read to us and fully understood by us.

WITNESS)

(Aryavart Bank, Head Office, Gomti Nagar, Lucknow)

(CONTRACTOR)

GENERAL CONDITION

1. Sealed tenders should be addressed to Chief Manager, **Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.)** and super scribed NAME OF WORK- **ELECTRICAL WORKS FOR Aryavart BANK at Head Office, LUCKNOW** and should reach the office before 3.00 P.M. on 18.10.2021.
2. No tenders shall be received after 3.00 P.M. on 18.10.2021 and the tenders shall be opened on the same day at 3.30 P.M. (subject to availability of tender committee members).
3. Any clarification (in writing) whatsoever shall be sought from the Architect, minimum two days before the tender submission date.
4. The tenders shall remain valid for a period of 3 months from the date of opening of tenders tenders Aryavart Bank Head Office, Gomti Nagar, Lucknow (U.P.) reserves the right to accept or reject any or all the tenders without assigning any reason to do so.
5. At the time of submission, every tender must be accompanied by a Demand Draft of Rs. 25000.00 in favour of Aryavart Bank Payable at **Lucknow (U.P.)** as earnest money. No interest shall be paid on earnest money. Any tender which is not accompanied by the earnest money shall be summarily rejected.
6. The tenders should quote the rates in figures as well as in words.
7. All erasures and alterations made while filling the tender must be attested by initials of tenderer. Overwriting of the figures is not permitted.
8. The earnest money deposit of unsuccessful tenderers shall be returned after the tender is decided or on expiry of validity period.
9. The earnest money of the successful tender shall be adjusted in the initial security deposit.
10. Aryavart Bank, Head Office, Gomti Nagar, Lucknow (U.P.) reserves the right to reject any or all the tenders, accept part of any tender or entrust the entire work to any contractor or divide the work to more than one contractor (item wise) without assigning any reason or giving any explanation. The rates quoted by the contractor shall hold good for this bifurcation and no compensation shall be paid on this account.
11. Joint tenders shall not be considered.
12. On receipt of intimation from Aryavart Bank, Head Office, Gomti Nagar, Lucknow (U.P.) of the acceptance of his tender, the tenderer within 7- days should submit his acceptance of the work order. If the successful tenderer fails to undertake the work, the earnest money deposited by him shall be forfeited and acceptance of his tender may be withdrawn.
13. The rates quoted in the tender shall include all charges of materials, shifting of furniture, scaffolding / ladder, lift up and down, mechanical transportation, loading, unloading, any or special tools and plants, railway freight, labour, taxes etc. It shall also take care for all conditions and fluctuation in the material and labour rates, excise duty, sales tax, trade tax, service tax, cartage, octroi and any other taxes or expenditure for carrying out the work.
The rates quoted in the tender shall also include for the charges for carrying out various types of laboratory / site tests for different types of materials.
14. The contractor shall arrange water and electricity for completing the work.
15. No escalation in rates shall be allowed under any circumstances.
16. The successful tenderer is bound to carry out entire work within the period stipulated in the Appendix. The tenderer shall have to pay liquidated damages for non-completion of job within stipulated period at the rate of 1% of the contract value for every month of delay up to 6 months and 2% for every month, thereafter.
17. The liquidated damages as mentioned above may not be enforced if the contractor applies for extension of time mentioning the reasons for extension. Extension of time in days shall be granted by the Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) if it is proved that contractor is not at fault for extending the work beyond stipulated date of completion.
18. The successful tenderer is bound to carry out items of work necessary for completion of job even though the same are not included in the schedule of quantity. Rates of extra items shall be derived from the tender. In case the rates do not exist in the tender and extra item is not similar to tender item, then the rates shall be worked out on the prevailing market cost of material and labour, including wastage plus 15% towards tax and Contractor's profit.
19. The Contractor must co-operate with other contractors appointed by the Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) so that entire work shall proceed smoothly with least possible delay and to the satisfaction of Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.)
20. The Contractor shall remove all debris, unused materials and leftovers etc. wash and clean the floors regularly at his own cost and hand over the site in proper manner on the completion of work.
21. The tenderer is advised to visit the site and acquaint himself with the site conditions, making his own arrangement for storing of material at site, lift, cartage, etc.
22. The initial security deposit shall be made, @ 2% of the accepted contract value less (subtracting) earnest money deposit, by the successful tenderer within 14 days of acceptance of his tender. It shall be submitted in form of Bank Draft in favor of Chief Manager, Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.)



23. The successful tenderer shall have to enter in to an agreement with the Bank.
24. 8% of the value of work done shall be deducted as retention money from the interim payments made to the contractor, and shall be retained for defects liability period (as mentioned in the Appendix) and shall be released after the defects liability period, provided no defects are noticed during the period. This retention money along with earnest money deposit and initial security deposit would make the security deposit to be deposited by the contractor.
The security deposit shall be worked out as under –
For first Rs.1.0 lakh of the estimated cost - @ 10.0%
For next Rs. 2.0 lakh of the estimated cost - @ 07.5%
For remaining part of the estimated cost up to Rs. 2.0 Crore - @ 05.0%
It shall be subjected to a maximum of Rs. 5.0 lakh.
25. The contractor shall attend to all defects noticed during defects liability period. If the contractor fails to attend the defects, these defects shall be rectified by Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) and the expenditure incurred on this account shall be recovered from security deposit.
26. The contractor shall make adequate arrangement for watch and ward of his material and shall ensure the safety, breakage and any theft of materials fixed or unfixed by him or other sub contractors.
27. The work executed should be got approved by Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) and contractor shall rectify any bad workmanship pointed out at any stage and remove from site all the rejected materials immediately.
28. The contractor shall be responsible for application of labour laws, compensation for injury and accident to person, whether employed by him or by his sub-contractor.
29. The contractor shall take necessary precautions for carrying out the work avoiding any damage to structures/decorative parts of the property. The contractor shall rectify any damages done at his cost.
30. Furnishing, Civil, Water Supply & Sanitary, Electrical and Demolition works shall be carried out as per drawings / specifications and to the entire satisfaction of Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.)
31. The contractor shall give due notice to Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) to check measurements of any work which is likely to be hidden before covering the same.
32. The contractor shall submit running bills for the value of work done not less than interim payment (as mentioned in the Appendix) mentioning full nomenclatures of items, rates, amount, measurements sheets, reasons for part rates claimed, if any.
33. In case of non-completion or delay in completion of work or removal of defects in time, Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) shall be free to appoint another agency to get the job done at contractor's risk and cost.
34. For fixed as well as loose furniture, rates quoted by the contractor shall be inclusive of all taxes, including sales tax, trade tax, octroi, transportation etc. and no extra amount shall be paid on this account.
35. Income-tax at the rate of 2.2 % (or as applicable from time to time) of the bill amount shall be deducted at source from the contractor's bill and shall be deposited with the I.T.O. as per rules.
36. Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) may delay the progress of work without, in any way, vitiating the contract and grant such extension of time for the commencement / completion of the contract as it may think proper and sufficient in consequence of such delay and the contractor shall not make claim for compensation or damage in relation thereof.
37. The contractor shall not execute any extra item without Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) permission in writing.
38. The quantities mentioned in the schedule of quantities are approximate. Payment shall be made on actual work done by the contractor. However, the contractor should not deviate the quantity without Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.)'s permission.
39. Conditional tenders quoted by the tenderer are liable to be rejected.
40. Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) has a right to alter the nature of work and to add or omit any items of work or to have the option of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to this contract.
41. In case the particular make of material mentioned not available at the time of execution of the work, the alternative make of materials shall be got approved from Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) / Architect before its use.
42. Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) has right to terminate the contract, if the contractor abandons the work, or fails to commence and complete the work in time, or fails to abide by the contract conditions.
43. Arbitration – In case of any dispute between Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) & contractor, the decision taken by the arbitrator who shall be appointed by Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) shall be final.
44. The contractor shall have to **BUY BACK** the dismantled items. The particulars, quantity etc. of the said items shall be provided by Aryavart Bank, Head Office Gomti Nagar, Lucknow (U.P.) at a later date.

(ARYAVART BANKI, HEAD OFFICE, GOMTI NAGAR, LUCKNOW (U.P.))

(CONTRACTOR)



APPENDIX REFERRED TO IN THE GENERAL CONDITIONS

- Defects liability period Six months.
- Date of commencement 3rd day from the date of issue of letter awarding the job.
- Stipulated period for completion. **21 days** from the date of work order.
- Earnest Money Deposit (EMD). 1% of estimated cost of work.
- Initial security deposit till completion of work (ISD). 2% of the accepted contract value.
- Retention Money 8%, to be deducted from interim payments.
- Security deposit for defects liability period
(SD) = EMD+ISD+RM
The security deposit shall be worked out as under –
For first Rs.1.0 lakh of the estimated cost - @ 10.0%
For next Rs. 2.0 lakh of the estimated cost - @ 07.5%
For remaining part of the estimated cost up to Rs. 2.0 Crore- @ 05.0%
It shall be subjected to a maximum of Rs. 5.0 lakh.
- Liquidated damages for non-completion of work within
Stipulated period 1% of the contract value for every month of delay up to 6 months and
2% for every month, thereafter.

DETAILED SPECIFICATIONS FOR ELECTRICAL WORKS

PLEASE NOTE: ALL WIRE & CABLE TO BE CU., FR – LSH CONFIRMING TO IS 694:1990 WITH LATEST MMENDMENTS.

B. ELECTRICAL WORKS

a. LIGHT, FAN, 6 AMPS., 6/16 AMPS.

1. Primary Light, Fan & 6 Amps. Switch Points.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Light, fan & 6 Amps. Switch Points with an additional indicator and 6 Amps. Switch & Socket on all module plates. It shall have **2 Nos. 1.5Sq.mm. FRLSH Wire** laid in PVC conduit pipe or required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

PVC Conduit –of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

2. Secondary Light, Fan & 6 Amps. Switch Points.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Light, fan & 6 Amps. Switch Points with an additional indicator and 6 Amps. Switch & Socket on all module plates. It shall have **2 Nos. 1.5Sq.mm. FRLSH Wire** laid in PVC conduit pipe or required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

PVC Conduit –of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

3. Circuit Wiring (Light, Fan & 6 Amps. Switch Points).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Circuit Wiring for light, fan & 6 Amps. Switch points with **3 Nos. 1.5 Sq.mm. FRLSH Wire** laid in 19mm dia. PVC conduit pipe concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in wall floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

PVC Conduit of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

4. 6/16 Amps. Switch Socket.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 6/16 Amps. Switch Socket on module plates. The work shall also include for cutting chases for moulded boxes, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T& P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

The job shall be complete, to the satisfaction of the Bank /Architect.

5. Circuit Wiring (6/16 Amps. Switch Points).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Circuit Wiring for 6/16 Amps. switch points with **3 Nos. 4.0 Sq.mm. FRLSH wire** laid in 19mm dia. PVC conduit pipe concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

PVC Conduit of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

b. U.P.S. & COMPUTERISATION.

6. Selector Switch.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 1 No. Selector Switch (three phase to single phase) with 4 pole, 63 Amps., MCB Isolator. It shall also have 3 Nos. indicating lamps (red, orange and blue).

The job shall be complete, to the satisfaction of the Bank /Architect.

7. 4 Way TPN DB.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of TPN distribution boards manufactured out of 14 SWG, CRCA sheet, duly painted, complete with copper bus bars, neutral link, earth strip, cable alley etc. as required. The work shall also include for cutting chases for moulded boxes, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

It shall have the following –

1 No., 4 WAY TPN DB.

Makes –

DB – MDS.

The job shall be completed, to the satisfaction of the Architect.

8. Circuit Wiring (UPS DB to Computer Points).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Circuit wiring between UPS DB and computer points with **3 Nos. 1.5 Sq.mm. Cu. FRLSH** wire laid in PVC channel for vertical drop/PVC conduit of required dia., concealed in wall / floor /panelling / partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (with out damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

PVC Conduits of required dia. And 2mm thick with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

PVC channel of required size and 2mm thick, with all accessories e.g. angles/tees bends Junction box etc. and clamps at every 450 mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

9. 6 Amps. Switch Socket.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of set of 6 Amps. 3 Sockets + 1 switch on module plates. The work shall also include for cutting chases for moulded boxes, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T& P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

The job shall be complete, to the satisfaction of the Bank /Architect.

10. UPS Protection System (Incoming and Outgoing).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 40Amp. DP MCB for UPS Incoming and 32Amp. DP MCB for UPS Outgoing housed in a 2 module flush/surface mounted metal/plastic enclosures. The work shall also include for cutting chases for moulded boxes, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

The job shall be complete, to the satisfaction of the Bank /Architect.



c. AIR CONDITIONING.

11. Circuit Wiring (1.0/2.0 Ton).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Circuit wiring with 2x4.0sq.mm + 1x 4.0 sq.mm stranded FR LSH (Fire Resistant Low smoke Low Halogen) Cu. conductor (Finolex/Anchor/Havells/Polycab) in 25mm FR-PVC Conduit pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduit at every 450mm. interval and finally finishing the surface the matching the level with existing. The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

12. A/C Box.

Supply & fixing of flush mounted motor started switch along with 20 A 3 pin socket miniature double pole 25A MCB/ DP SWITCH with modular accessories. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. The job shall be complete, to the satisfaction of the Bank /Architect.

d. MAINS & SUB MAINS. (Electrical connection of 50.0 KW. (Approx.)

13. Cable (Main).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 50 mm², 3.5 Core Aluminium Cable (Armoured) between electrical meter and nearest supply pole.

The cable shall be laid in PVC conduit pipe of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits, if required, in wall floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

Makes –

Cable – Havell's/Rallison/Sky Tone.

PVC Conduits – Bajaj/AKG, of required dia. and 2mm thick with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be completed, to the satisfaction of the Architect.

14. Cable (Sub Main).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of, 4 Core Copper Cable (FR – LSH) from Main DB to UPS, A/C, Power and Light & Fan DB.

The cable shall be laid in PVC conduit pipe of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits, if required, in wall floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. PVC Conduits – Bajaj/AKG, of required dia. and 2mm thick with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect

15. Panel.

Design, manufacture, providing, storing & installing in position, effecting proper connection, testing and commissioning of panel made of 14 SWG, CRCA sheet steel. It shall be dust and vermin proof. It shall have compartmentalized construction with bus bar chambers, cable alley, cable glands plate etc. as required, duly painted from inside as well outside.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

It shall have the following –

MAIN PANEL.

3 Nos. (150 Amp.) Kit Kat switches with neutral links, Makes – Havell's/Anchor.

Incoming.



1 No. 150 Amp. TPN, MCCB (10 KA breaking capacity), Makes – Havell's or equivalent.

Busbars.

150 Amp., 3 phase, 4 strips, 415 volts, 50 Hz. copper busbars with colour coded PVC heat shrinkable sleeves.

Metering.

1 No. Voltmeter (range 0-500V), 3 phase.

1 No. Ammeter (range 0-200 Amp.), 3 phase with CT operation.

3 Nos. Phase Indication Lamps (red, yellow and blue).

Outgoing.

2 Nos. (63 Amp.) TPN, MCCB, Makes – Havell's or equivalent.

1 Nos. (80 Amp.) TPN, MCCB, Makes – Havell's or equivalent.

1 No., 63 Amp. Three Phase Change Over for D.G. Set.

The design of panel should be got approved by the Architect before manufacturing. Also, the provision for 1/2 spare outgoing should be considered for future expansion.

The job shall be completed, to the satisfaction of the Architect.

16. TPN Distribution Boards – Horizontal Type.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of TPN distribution boards manufactured out of 14 SWG, CRCA sheet, duly painted (Regal Grey / Pearl Ivory), double door, flush mounted, complete with copper bus bars, neutral link, earth strip, cable alley etc. as required. The work shall also include for cutting chases for distribution boards, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

It shall have the following -

6 Nos., 4 WAY TPN DB including 4 pole, 1 No. 40 & 63 Amp. MCB Isolator, for Light & Fan & Power DBs respectively.

The job shall be completed, to the satisfaction of the Architect.

17. SPN Distribution Boards – Horizontal Type.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of TPN distribution boards manufactured out of 14 SWG, CRCA sheet, duly painted (Regal Grey / Pearl Ivory), double door, flush mounted, complete with copper bus bars, neutral link, earth strip, cable alley etc. as required. The work shall also include for cutting chases for distribution boards, if required, in wall/floor (without damaging the building) and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

It shall have the following -

6 Nos., 12 WAY TPN DB including 4 pole, 1 No. 40 Amp. MCB Isolator, for U.P.S. DBs.

The job shall be completed, to the satisfaction of the Architect.

18. SP MCB.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of SP MCB (10 KA breaking capacity) ranging from 6 Amps. to 32 Amp.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

The job shall be complete, to the satisfaction of the Bank /Architect

19. DP MCB.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of DP MCB (4.5 KA breaking capacity.) ranging from 40 Amps. to 63 Amp. It shall be housed in a 2 module flush/surface mounted metal/plastic enclosures. The work shall also include for cutting chases for moulded boxes, if required, in the wall (without damaging the building) and finally finishing the surface the matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

Makes –

Box – Havells or equivalent, with all accessories.

DP MCB – Havells or equivalent.

The job shall be complete, to the satisfaction of the Bank /Architect.

20. Earthing Stations.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Earthing Stations at locations called for, including providing and burying 600mm x 600mm x 3mm thick copper electrode with its top at least 3 Mt. below ground level. It shall also have 20mm dia. G.I. pipe and C.I. funnel for watering. It shall have 2 earthing leads of 8 Sq.mm. SWG Cu. Wire in 15mm dia. G.I. pipe up to main panel. It shall include for masonry chamber of sz: 300mmx300mm made out of masonry work with C.I. frame and hinged cover. The job shall include for packing & ramming of mixture of charcoal and common salt, at least 150mm thick, all around plate electrode, complete with digging and back filling as required. All complete to the satisfaction of the Architect.

21. Earthing Wire.

Supply, storing & installing in position, effecting proper connection, testing and commissioning of the following copper Earthing Wire.

The wire shall be laid in PVC conduit pipe of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits, if required, in wall floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

It shall have the following -

Wire - 8.0 Sq.mm. SWG Cu. Wire.

Makes -

PVC Conduits - Bajaj/AKG, of required dia. and 2mm thick with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect

e. FIXTURES.

22. Light - LED (Square Type).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of LED Type Light fitting, recessed in false ceiling, with all accessories.

- a. 600x600, 60W (Surface Mounted)
- b. 300X300, 30W (Surface Mounted)
- c. 150x150, 18W (Surface Mounted)
- d. 100x100, 12W (Surface Mounted)
- e. Tube light (LED) - 18 Watt.
- f. Bracket (LED), 7 Watt

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

The job shall be complete, to the satisfaction of the Architect.

23. Wall Mounted Fan. (400mm dia.).

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Wall Mounted Fan of 400 mm dia. impeller assembled with three blades and 100 spokes guard. It shall also include for all accessories.

The work shall also include for cutting, if required in the wall (with out damaging the building) along with grouting the rag bolts at required position and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

Makes -

Fixture - Crompton Greaves Ltd., Model - Super Deluxe, Colour - Ivory/as suggested by the Arch.

Ceiling rose - Anchor - Penta, Model - 3257.

The job shall be complete, to the satisfaction of the Architect.

24. Ceiling Fan (1200/900mm dia.).

Providing & fixing in position, effecting proper connection, testing and commissioning of Ceiling Fan of 1200/900mm dia. sweep assembled with statically and dynamically balanced motor and three blades, capacitors type motor with internal starter and external rotor pattern and two double ball bearings which are accessible for lubrication. It shall also include for all accessories e.g. 300mm long (or as required on site) down rod, bottom cover, top canopy, rubber shackle, capacitors, compact electronic power saving regulator of 300 watts., ceiling rose etc.

It shall be suspended from the hooks/fan hook boxes. The work shall also include for cutting holes of required size, if required, in the roof (without damaging the building) along with grouting the fan hook boxes and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

Makes –

Fixture – Crompton Greaves Ltd., Model – High Breeze.

Regulator – Anchor Roma – (Model – 22 557), with required Modular Plates fixed on metal (for concealed) or PVC (for surface mounted) Moulded boxes – Model – Tressa, Colour – White.

The job shall be complete, to the satisfaction of the Architect.

25. Exhaust Fan.

Receiving & fixing in position, effecting proper connection, testing and commissioning of Exhaust/Fresh Air Fan of 300mm dia.

The work shall also include for cutting holes of required dia., if required, in the wall (without damaging the building) along with grouting the rag bolts at required position and finally finishing the surface and matching the level with existing.

The rate shall include for all accessories materials, labour etc.

The job shall be complete, to the satisfaction of the Bank /Architect.

e. TELEPHONE & LAN POINTS.

26. Telephone Junction Box.

Supply, storing & installing in position, effecting proper connection, testing and commissioning of Telephone Junction Box, duly housed in M.S. enclosure. The work shall also include for cutting chases for moulded boxes, if required, in the wall (without damaging the building) and finally finishing the surface the matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

It shall have the following -

Box - 10 pair TJB

Makes – Krone or equivalent, with all accessories.

The job shall be complete, to the satisfaction of the Bank /Architect.

27. Telephone Cable.

Supply, storing & installing in position, effecting proper connection, testing and commissioning of Telephone Cable laid in PVC conduit pipe of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

It shall have the following -

a. 10 pair – 0.6mm. dia., including termination/crimping at both the ends.

Makes -

Cable - Havells/Rallison/Sky Tone.

PVC Conduit – Bajaj/AKG, of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

The job shall be complete, to the satisfaction of the Bank /Architect.

28. Telephone Points with Wiring.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Telephone Points (2 pin) on module plates with all accessories. It shall have GI Pull Wire laid in PVC conduit pipe (2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc.) of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

Makes -

Wire - Finolex/Poly cab.

Telephone Socket - Anchor - Deluxe, Socket / Jack – 2 Lines (Model 11572)

with required laminated Plates fixed on metal (for concealed) or PVC (for surface mounted)

Moulded boxes.

PVC Conduit – Bajaj/AKG, of required dia. and 2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc. and clamps at every 450mm interval.

29. Data Cabling with Points.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Data Cabling Points (2 pin) on module plates with all accessories. It shall have GI Pull Wire laid in PVC conduit pipe (2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc.) of required dia., concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

It shall also include for Cat - 5 data cable for data of approved make, including termination at both the ends.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

30. 9U Rack Networking Cabinet.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 9U Rack Networking Cabinet.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

31. 24 Port Patch Panel.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of 24 Port Patch Panel.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Architect.

32. Patch Chord.

Providing, storing & installing in position, effecting proper connection, testing and commissioning of Patch Chord.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete, to the satisfaction of the Bank /Architect.

It shall have the following -

a. Patch Cord – 1 Mt. - ECAT 6

b. Patch Cord – 2 Mt. - ECAT 6

The job shall be complete, to the satisfaction of the Bank /Architect

33. PVC Conduits For Alarm & LAN Etc.

Supply, storing & installing in position of PVC conduit pipe (2mm thick, with all accessories e.g. long/short bends, tees, junction boxes etc.) of required dia. with GI Pull Wire laid in it. These shall be concealed in wall/floor/panelling/partitions or above false ceiling. The work shall also include for cutting chases for conduits and moulded boxes, if required, in the wall/floor (without damaging the building) along with clamping the conduits at every 450mm interval and finally finishing the surface and matching the level with existing.

The rate shall include for all materials, labour, T&P, taxes, levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.

a. 25mm dia.

b. 19mm dia.

The job shall be complete, to the satisfaction of the Architect.



LIST OF APPROVED MAKE MATERIALS

Switch Fuse Unit	HPL/ L&T/ ABB/ Siemens/ Hager/ CG/ Havells
MCB (10KA)	Legrand / Schneider / L&T/ ABB/ Siemens/ Hager/ Havells
HRC Fuses and fuse fittings	Siemens/L&T/Schneider/GE/Havells
MV Panels Boards/LT Panel/Panel Boards	CPRI Approved
LT Cable	Polycab / Skytone / Havells / Finolex
Cable Tray	Indiana/ Profab/ Slotco/Rico Steel/ Slotco/ Pilco
Raceways	Indiana/ Profab/ Slotco Rico Steel/ Slotco/ Pilco
Glands	Comet/ Jainsons/ SUNIL/ HMI/ BRACO
Lugs	Dowells/ Jainsons/ 3-D/ Comet
MS Conduit and Accessories	BEC/AKG or Equivalent ISI Mark
PVC Conduit and Accessories	Avon/ Precision/ VIP/ BEC/AKG
PVC FRLS Insulated Cu wires/ Flexible cables	Havells/ Polycab / Finolex
Switches & Socket outlets	Clipsal Schneider/ Anchor Roma/ SSK/ Crabtree/ABB/ MK Honeywell
Distribution Boards	Schneider/ Siemens/ Hager/ L&T/ Legrand/ ABB/Havells
Industrial Socket outlets (IEC60309) , Metal Clad type industrial socket & MCB Protected Power Unit for AC	Schneider/ Neptune/ C&S/Gewiss/Hager/Legrand/ Merlin Gerin/ L&T/ABB/Havells
Maintenance free Earthing	Universal Alltec/ Ashlok/ JMV/ERICO or Equivalent
Telephone Wiring	Finolex/Delton/Polycab
KITKAT	GECO/ANCHOR/KUNDAN
CASING / CAPPING	CLASSIC/ MODI
Electrical fixtures	Schneider/ Philips/ Crompton/Havells/ Usha/ Osram

Authorized Signatory

Signature Name

Designation

Seal of Company

Date & Place:

SCHEDULE OF TENDER DRAWINGS

S.NO.	DRAWING NO.	TITLE OF DRAWING
1.	02	ELECTRICAL LAYOUT PLAN

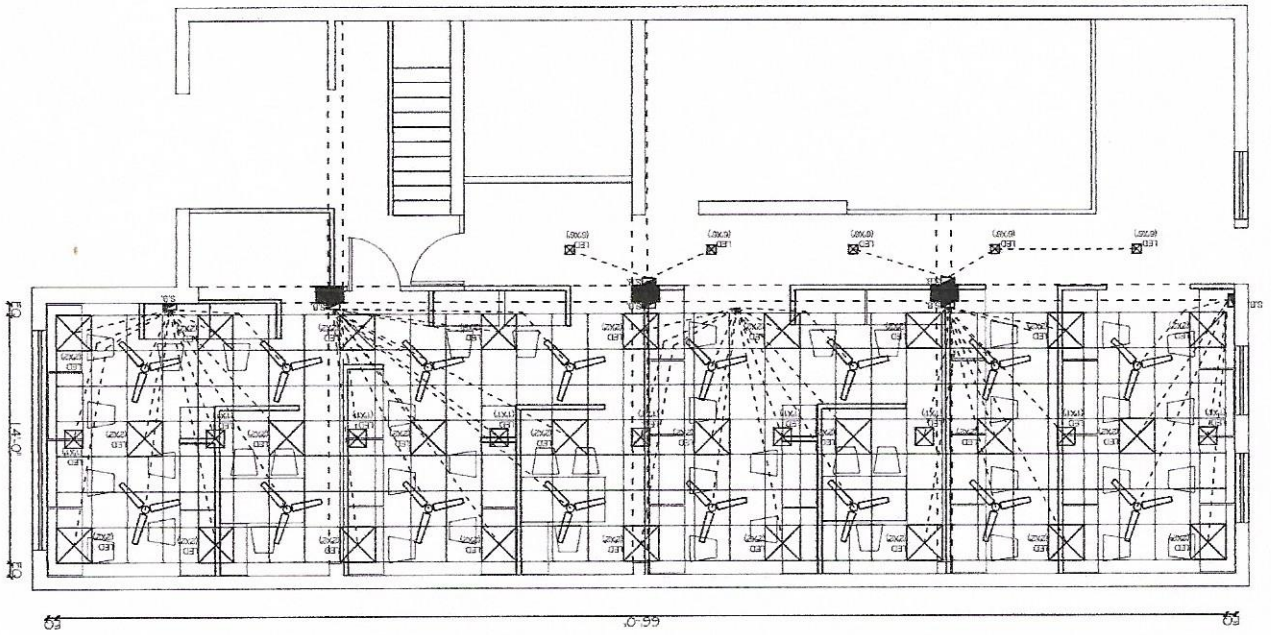
- Any clarification (in writing) whatsoever shall be sought from the Architect, minimum two (2) days before the tender submission date.



ARYAVART BANK ZOMAL OFFICE LUCKNOW
PROPOSED ELECTRICAL LAYOUT PLAN (RIGHT FIXTURE)

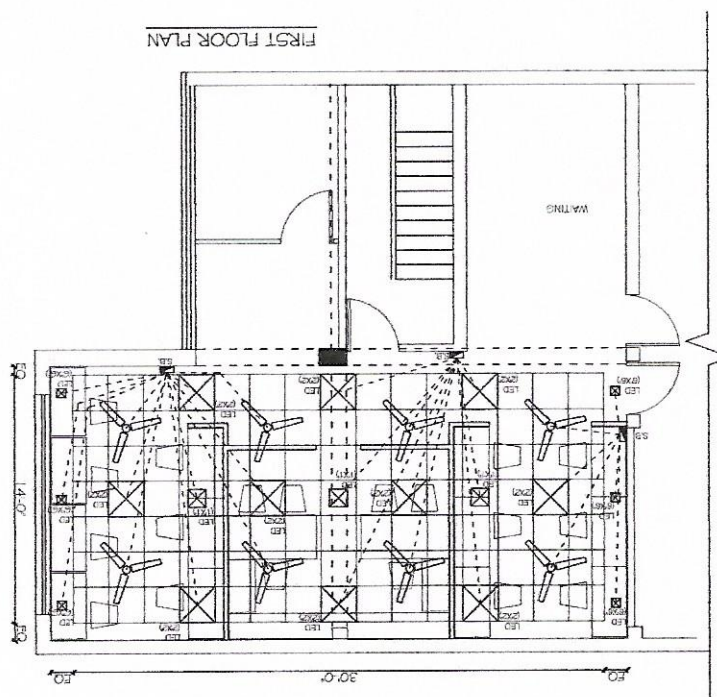
S.NO.	TYPE	SYMBOL	PARTICULARS	QTY.
01.	LED		SQUARE LIGHT (2X3)	26
02.	LED		SQUARE LIGHT (1X3)	09
03.	LED		SQUARE LIGHT (6X6)	05
07.	C.F.		CENTRAL FAN (1000 WATT)	16
10.	S.B.		SWITCH BOARD & 5 AMP	07

GROUND FLOOR PLAN



PROPOSED ELECTRICAL LAYOUT PLAN (RIGHT FIXTURE)
 ARYAVART BANK ZOMAL OFFICE LUCKNOW

S. NO.	TYPE	SYMBOL	DESCRIPTION	QTY
01	LED		SQUARE LIGHT (2x2)	10
02	LED		SQUARE LIGHT (1x1)	03
03	LED		SQUARE LIGHT (6x6)	06
04	LED		SQUARE LIGHT (6x6)	06
05	LED		SQUARE LIGHT (6x6)	06
06	LED		SQUARE LIGHT (6x6)	06
07	LED		SQUARE LIGHT (6x6)	06
08	LED		SQUARE LIGHT (6x6)	06
09	LED		SQUARE LIGHT (6x6)	06
10	LED		SQUARE LIGHT (6x6)	06
11	LED		SQUARE LIGHT (6x6)	06
12	LED		SQUARE LIGHT (6x6)	06
13	LED		SQUARE LIGHT (6x6)	06
14	LED		SQUARE LIGHT (6x6)	06
15	LED		SQUARE LIGHT (6x6)	06
16	LED		SQUARE LIGHT (6x6)	06
17	LED		SQUARE LIGHT (6x6)	06
18	LED		SQUARE LIGHT (6x6)	06
19	LED		SQUARE LIGHT (6x6)	06
20	LED		SQUARE LIGHT (6x6)	06
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22	LED		SQUARE LIGHT (6x6)	06
23	LED		SQUARE LIGHT (6x6)	06
24	LED		SQUARE LIGHT (6x6)	06
25	LED		SQUARE LIGHT (6x6)	06
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27	LED		SQUARE LIGHT (6x6)	06
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29	LED		SQUARE LIGHT (6x6)	06
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31	LED		SQUARE LIGHT (6x6)	06
32	LED		SQUARE LIGHT (6x6)	06
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93	LED		SQUARE LIGHT (6x6)	06
94	LED		SQUARE LIGHT (6x6)	06
95	LED		SQUARE LIGHT (6x6)	06
96	LED		SQUARE LIGHT (6x6)	06
97	LED		SQUARE LIGHT (6x6)	06
98	LED		SQUARE LIGHT (6x6)	06
99	LED		SQUARE LIGHT (6x6)	06
100	LED		SQUARE LIGHT (6x6)	06



FIRST FLOOR PLAN

Handwritten signature and date: 22/11/20

BOQ FOR ELECTRICAL WORKS OF ARYAVART BANK HEAD OFFICE GOMATINAGAR

S.NO.	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
B.	ELECTRICAL WORKS.				
a.	LIGHT, FAN, 6 AMPS., 6/16 AMPS.				
1	Primery Light, Fan & 6 Amps. Switch Points.	130	Nos.		
2	Secndry Light, Fan & 6 Amps. Switch Points.	45	Nos.		
3	Circuit Wiring (Light, Fan & 6 Amps. Switch Points).	480	Mt.		
4	6/16 Amps. Switch Socket.	36	Nos.		
5	Circuit Wiring (6/16 Amps. Switch Points).	360	Mt.		
b.	U.P.S. & COMPUTERISATION				
6	Selector Switch.	2	Job		
7	4 Way TPN DB .	2	Nos.		
8	Circuit Wiring (UPS DB to Computer Points).	700	Mt.		
9	6 Amps. Switch Socket. (3 Socket + 1Switch)	70	Nos.		
10	UPS Protection System (Incoming And Outgoing)				
a.	63Amp.	2	No.		
b.	40 Amp.	2	No.		
c.	AIR CONDITIONING.				
11	Circuit Wiring (1.0/2.0 Ton).	400	Mt.		
12	A/C Box.	16	Nos.		
d.	MAINS & SUB MAINS - Electrical connection of 50.0 KW. (Approx.)				
13	Cable (Main).				
a.	50 mm2 (3.5 CORE)	50	Mt.		
14	Cable (Sub Main)				
a.	25 mm2 (4 CORE)	100	Mt.		
b	10 mm2 (4 CORE)	150	Mt.		
c.	16 mm2 (4CORE)	100	Mt.		
15	Panel (CPRI approved manufactures)	1	Job		
16	TPN Distribution Boards - Horizontal Type. (Including Isolator)				
a.	4 Way.	6	Nos.		
17	SPN Distribution Boards - Horizontal Type. (Including Isolator)				
a.	12 Way.	6	No.		
18	SP MCB.	90	Nos.		
19	DP MCB.	4	Nos.		
20	Earthing Station	2	Jobs		
21	Earthing Wire.	90	Mt.		
e.	FIXTURES.				
22	Light - LED (Square Type).				
a.	600 x 600 - 60 Watt.	42	Nos.		
b.	300 x 300 - 30 Watt.	4	Nos.		
c.	150 x 150 - 18 Watt.	39	Nos.		
d.	100 x 100 - 12 Watt.	20	Nos.		
e.	Tube Light (LED) - 18 Watt.	15	Nos.		
f.	Bracket Light (LED) - 7 Watt.	6	Nos.		
23	Wall Mounted Fan.	8	Nos.		
24	Ceiling Fan.				



a.	1200 mm dia.	24	Nos.		
b.	0900 mm dia.	0	No.		
25	Exhaust Fan	2	Nos.		
g. TELEPHONE & LAN POINTS.					
26	Telephone Junction Box.	4	Nos.		
27	Telephone Cable.	50	Mt.		
28	Telephone Points with Wiring.	10	Nos.		
29	Data Cabling with Points	70	Nos.		
30	9U Rack Networking Cabinet	2	Nos.		
31	24 Port Patch Panel	4	Nos.		
32	Patch Chord				
a.	1.0 Mt. Long	70	Nos.		
b.	2.0 Mt. Long	70	Nos.		
33	PVC Conduits For Alarm Etc.				
a.	19mm dia.	100	Mt.		
b.	25mm dia.	50	Mt.		
TOTAL OF B - ELECTRICAL WORKS (Rs.)					
			Less Discount		
			Add CGST		
			Add SGST		
			G. Total		
			Say Rs.		
Amount in Words -					

Name of the firm:

Signature of the firm:

Seal of the firm:

