



**INDIAN BANK
ZONAL OFFICE, BHUBANESWAR.**

**TENDER DOCUMENT
FOR
ELECTRICAL & DATA CABLING WORKS OF MALIPUR BRANCH & A.T.M.**

**Ref. No : ZO-BBSR/PRM/2026-27/025
Date : 08.06.2026**

Issued to:

**M/S.
ADDRESS
CONTACT NO.....
E-MAIL:**

Last date of submission of Tender	24.06.2026 up to 16:00 HRS at Indian Bank, Zonal Office Bhubaneswar, Premises Department, B2, East, Saheed Nagar, Bhubaneswar - 751007
Date of opening Tender	24.06.2026 at 17.00 HRS at Indian Bank, Zonal Office Bhubaneswar, Premises Department, B2, East, Saheed Nagar, Bhubaneswar - 751007
Cost Of Tender Document	Rs 250.00

ARCHITECT

TECHNO ARCH

**Plot No - 71/7, Jadupur, Near City Bus Stand, Bhubaneswar 751019
Ph.0674-2551479, Mobile. 9437189632**



**Zonal Office Bhubaneswar, Indian Bank Building, B-2(East)
Saheed Nagar, Bhubaneswar-751007
NOTICE INVITING TENDER**

**Sub: COMPETITIVE QUOTATION FOR Electrical & Data work of Malipur
Branch, Dist: Khurda (Odisha.)**

Indian Bank, Zonal Office Bhubaneswar invites sealed tenders from empaneled contractors with Indian Bank (single bid system) separately for proposed Interior Furnishing/interior work and Electrical/Data Cabling Works in the New Premises of Mallipur Branch, District - Khurda. The Tender Documents can be downloaded from the Bank's website (www.indianbank.bank.in) under Tender Column.

1	Name of work	Interior Furnishing, Electrical & DATA Cabling Works in New Premises of Mallipur Branch, District - Khurda
2	Estimated cost of work	Interior Furnishing/interior works: Rs. 7.88 Lakhs Electrical/Data Cabling Works: Rs 4.01 lakhs
3	Period of completion	30 days to be reckoned from 5TH day from the date of issue of the Work Order or handing over of site whichever is later
4	Validity of Tender	90 Days from the date of opening
5	Defects Liability Period	12 Months from the date of virtual completion of work
6	Earnest Money Deposit	Interior Furnishing/interior works: Rs. 78800.00 Electrical/Data Cabling Works: Rs 40109.00 lakhs by way of DD/IOI in favour of Indian Bank, Zonal Office Bhubaneswar. *Firms registered with MSME / NSIC with valid certificates issued by GOI are exempted from submitting EMD along with Tender (Only Udyam Adhar Registration certificate not sufficient).
7	Initial Security Deposit (ISD)	After acceptance of Work Order, Contractor shall submit ISD of 2% of the Bid / Contract Amount in the form of DD.
8	Retention Money (RM)	8% of the Bill Amount excluding Taxes
9	Total Security Deposit (TSD) = ISD + RM	10% of the first Rs 100000/- of the Bid Amount & 7.5% on the next Rs 100000/- of the bid amount ISD Amount will be refunded to Contractor within 14 days from the issue of Work Completion Certificate by the Architect and the Retention Money will be refunded after the completion of defect liability period.
10	Interim / Adhoc Payment	No Interim / Adhoc Payment will be paid
11	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 10% of final Contract value
12	Tender Documents	Tender document can be obtained from Indian bank, Zonal office, Premises Department, B2, East, Saheed Nagar, Bhubaneswar-751007, Premises department from 09/06/2026 To 24/06/2026 on all working day during office hours and/ or can be downloaded from Bank's website (www.indianbank.bank.in) under Tenders column.

13	Last date of submission of tenders	24/06/2026 up to 16:00 HRS at Indian bank, Zonal office, Premises Department, B2, East, Saheed Nagar, Bhubaneswar-751007
14	Date of opening Tender	24/06/2026 at 17:00 HRS Indian bank, Zonal office, Premises Department, B2, East, Saheed Nagar, Bhubaneswar-751007

Note:

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

(Suman Kumar)
Zonal Manager

ZONAL MANAGER
INDIAN BANK,
ZONAL OFFICE,
BHUBANESWAR .

SUBMISSION OF TENDER

The tenders are to be submitted in separate envelopes each sealed and clearly identified as to envelope number and contents as indicated below. All the envelopes shall be contained in a large envelope “**Tender for Electrical & data cabling work of INDIAN BANK at MALIPUR BRANCH & A.T.M. (ODISHA)**” and are to be submitted at **Zonal office of Indian Bank, BHUBANESWAR**. Each tenderer will be issued two set of tender documents with schedule of quantities (two set). Tenderer will have to return all the documents and drawing issued to them while submission of their tender duly stamped and signed in each page as per instruction.

ENVELOPE MARKED NO.1.

Envelope marked No.1 shall contain the following documents.

- 1) Forwarding letter without mentioning the cost of Tender value arrived at with quoted rates.
- 2) Earnest money deposit furnished in the form of Crossed Demand Draft/ Banker's Cheque drawn in favor of Indian Bank and payable at BHUBANESWAR for the amount indicated in the Notice of Invitation to Tender.
- 3) Invited from the empanelled Contractors of Indian Bank (BHUBANESWAR Zone) having current IT clearance, GSTIN. The tender will be rejected if all the documents above said are absent.

The tender will be rejected if all the documents above said are absent.

ENVELOPE MARKED NO.2

Envelope marked No.2 shall contain the priced Tender Volume on the body of the tender paper.

ENVELOPE MARKED NO.3

Envelope marked No.1 & 2 shall be put in large envelope of adequate size marked No.3 which shall be properly sealed. This envelope which shall be endorsed on the outside face “**Tender document for Electrical & data cabling work of INDIAN BANK at MALIPUR BRANCH & A.T.M (ODISHA)**”

GENERAL INSTRUCTIONS TO TENDERERS

- 1) The term “Employers” or “Bank” shall mean “INDIAN Bank”, or its authorized representatives at The Zonal Office, BHUBANESWAR .
- 2) The term “Architect(s)” shall mean “M/s.Techno Arch. who is the Architect Consultant to the Employer for this project & having office at Plot No. 71/7, Jadupur, Near Dumuduma Mo Bus stand, Bhubaneswar. Or its authorized representatives.
- 3) The term “Contractor” shall mean the successful tenderer to whom the Contract shall be awarded.
- 4) The “Works” shall mean the Electrical works comprising of work for **MALIPUR BRANCH & A.T.M.**
- 5) The Contractor should quote the rates in figures and words. Any corrections or Over-writing should be initialed by the Contractor.
- 6) The Contractor should submit the tenders with seal, signature and date on each Page.
- 7) Tender should be submitted in sealed covers with all requisite documents as desired with the top of the envelope super scribed as “SEALED TENDER for Total Electrical & data cabling works For **MALIPUR BRANCH & A.T.M.**”.
- 8) The Contractors should submit the cost of the main items as per tender specifications. Further modification after awarding of the contract shall be not allowed unless there is specific instruction by the Bank/Architect to change specifications.
- 9) The contract is time-bound and the works are to be completed within the time limit specified in the notice inviting tenders. This is a working section and the contractor has to work with no or minimum obstruction to its regular services.

10) Additional Performance Security shall be deposited by the successful bidder as follows:-

SI No.	Range of Difference between the estimated cost put to tender and Bid Amount	Additional Performance Security to be deposited by the successful bidder.
1	Below 5%	No Additional Performance Security
2	From 5% and above and below 10%	50% of (Difference between estimated cost put to tender and Bid Amount)
3	From 10% and above	150% of (Difference between estimated cost put to tender and Bid Amount)

- 11) The additional performance security as per clause 10 shall be furnished by the bidder before execution of the work in shape of Demand Draft or Fixed Deposit Receipt at any Nationalized bank pledged in favour of Indian Bank, Zonal Office Bhubaneswar which will be over and above the performance security.
- 12) The Contractor shall be completed all works as per specification to the satisfaction of Engineer/Architect in charge else the total or part of performance security will be forfeited. The performance security will be release by the Bank after completion of the project.

13) The Contractor shall be penalized if the work is not completed within the scheduled time, the Bank will be entitled to charge liquidated damages @ Rs. 10000/- (Rupees Ten Thousand only) for every week if the work remains unfinished after the date of completion or the date extended subject to maximum of 10% of the value of work.

14) The decision of Employer and the Architect is final and binding.

TERMS & CONDITION

1) Unless otherwise mentioned, all works are with no allowance for Lapse waste. Unless otherwise described or measured separately, price for all the items shall include all necessary straight & curved edges.

2) Any damage to the work before the site is handed over, is to be replaced or made good at the expense of the contractor to the entire satisfaction of the Architect/Bank.

3) Tax as applicable shall be deducted at source as per the Income Tax Act/Rules

4) The quantities indicated are subject to change. The payment of the bill shall be made as per the actual measurement as certified by the architect but not exceeding the total value quoted in the tender form.

5) The Architect or any officer of the Employers will be free to inspect the work at the site during the period of execution. Any suggestion of change or modification to improve the quality of work will be carried out subject to prior approval of the competent authority of the employers and that of the Architect.

6) In case of failure to take up the work even after accepting the work order, or leaving the work incomplete, or for defective work not rectified, or violation of the terms and conditions, the earnest money deposit will be forfeited.

7) For any item of work not covered or any unforeseen items of work, payment will be made according to the rates approved for similar nature of work, the costing done by the Architect, as per current PWD schedule of rates, or as per analysis of material cost, labour rate and profit to the Contractor at 10%. The Contractor must obtain prior approval in writing before undertaking such additional works.

8) The tenderers shall sign each & every page of the tender documents including the drawings attached here to.

9) The amount is to be quoted in figures as well as in words. In case the rates quoted in words and in figures are in variance, the amount written in words shall be taken as final.

10) The Contractor shall make their own arrangement at their own cost for storing materials, plants, tools etc. The employers will not be liable for security of the Contractor's materials.

11) No tools or plants will be issued by the bank.

12) The Employer / Architect reserves the right to accept or reject any tender without assigning any reason whatsoever and the said decision shall be final and binding upon the tenderer.

13) In case of breach of contract by the Contractor for slow progress of works or any other claim of damage, the Employer or the Architect may have the power to rescind the contract without furnishing further reasons thereof.

14) The Architect shall have the power to ask the contractor to furnish the sample/ color / test certificate from any Govt. /Authorized agent for any materials used/ to be used in the Works, the expenditure of which is to be borne by the Contractor.

15) The Employer shall be not be liable for any damages or compensation payable as a consequence of any accident or injury to any workman or other persons in the employment of the Contractor or any sub-contractor.

16) On completion of the Works, all rubbish, debris, materials, tools, Laborers, etc. to be removed by the contractor from the site and the contractor will hand over the site clean & clear & in usable condition within 3 days of completion of the works. Failing this, the employer may dispose the materials at the cost of the contractor.

17) In case of any dispute, the matter will be referred to the, INDIAN Bank, ZONAL Office, BHUBANESWAR.

18) The Contractor shall not submit any work bill until he completes the Project completely, as certified by the Architect Consultant.

19) The rates quoted in the tender shall **exclude GST** & Including other taxes, no escalation of rates will be allowed under any circumstances.

20) Rates mentioned in the tender sheet should be a competitive one. Bidder should not mention any discount on the final price. Any discount offered should be calculated in the individual material base price.

SPECIAL TERMS AND CONDITIONS

1. Completion Period : 30 Days
2. Date of Commencement : 7 days from the date of issue of the work order or the date on which the contractor is instructed to take possession of the site, or the date of your acceptance of the work- order, whichever is later.
3. Defect Liability Period : One year after actual completion of work.
4. Total security deposit (TSD) : 10% on the first Rs.100000.00 of the cost of work + 7.5% on the next Rs 100000.00 of the cost of work + 5% on the remaining amount of the cost of work amounting
5. Limit of variation :100% without any change in price if work is done within six months of the contract and with prior consent of Architect / Consultant.

6. Additional items : For items where unit rates are not available, contractor shall provide proper cost break-up and proceed only after approval/consent. Any sample to be made for approval Shall be at the Contractor's cost.
7. Validity of tender : Three month after the opening of the tender.
8. Rules/ Regulations : The contractor shall have their responsibility of complying with the local shops/establishments Act and other labor/ minimum wages Act and shall keep all such records/ accounts on payment of wages / attendance as deemed necessary.
9. Arbitration : As per the standard arbitration clause under the jurisdiction of Odisha.
10. Organization : The contractor shall employ competent / qualified supervisor /Engineer-in-charge who shall be responsible for the day to day work and coordinate as necessary with the Architect's supervisor. Any workman found guilty of misconduct/theft shall removed from the site.
11. Damage to property : Any damage to the Bank's property during the work period will be recovered from the contractor.
12. Deduction : **Income tax, Sale Tax at source as per Act.**
13. Terms of payment : **Payment after completion of Project.**
14. Billing Procedure : All measurements shall be recorded in Duplicate on standard measurement sheets Prepared jointly by the Architect's Site Engineer & The Contractor's Representatives duly signed by them. All Bills shall be submitted along with this Checked measurement sheets.
15. Time schedule of work : The Contractor must submit before the Commencement of work, a Bar chart showing the date of commencement & The date of completion of each item of Work as mentioned in the Schedule of Quantities.
- 16) Release of TSD : 100% after the Defect liability period. Retention money will not bear any interest.
17. General The rates should be quoted considering Necessary Scaffolding & staging work, Removal of debris as & when necessary, In view of restriction of Local concern Authority.

ARTICLES OF AGREEMENT

(On stamp paper of Rs.100/-)

ARTICLE OF AGREEMENT made thisday of Two Thousand Nineteen BETWEEN the Indian Bank Bhubaneswar Region of Commerce, a company incorporated under the Banking Companies acquisition & Transfer of Undertaking) Act, 1980 and having its Corporate Officehereinafter called "Employer" (which expression shall include its successors and assigns wherever the context or meaning shall so require or permit, of the one part and (herein after called the "Contractor")

(which expression shall include its successors and assigns wherever the context or meaning shall so require or permit) of the other part.

WHEREAS the Employer is desirous of carryout **Electrical and Data Cabling Work of Malipur Branch and ATM** and has got drawings, specifications and the bill of quantities prepared by their Architects/Consultants which have been signed or on behalf of the parties hereto.

AND WHEREAS the Contractor has agreed to execute upon and subject to the conditions set forth herein and to the conditions set forth in the special conditions and in the Bill of Quantities and conditions of contract (all of which are collectively hereinafter referred to as "The said terms & conditions", the works, shown upon the said drawings and/or described" in the said specifications and included in the said bill of quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable there under (herein after referred to as the said "contract value").

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the said Contract Value to be paid at the times and in the manner set forth in the said terms & conditions; the contractor shall upon and subject to the said terms & conditions execute and complete the works shown on the said drawings, and described in the specifications and/or bill of quantities.
2. The Employer shall pay the contractor The Said Contract Value or such other sum as shall become payable at times and in the manner specified in the said terms & conditions.
3. The said terms & conditions and Appendices 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 terms & conditions and perform the agreements on their part respectively in the said terms & conditions contained.
4. The contract is neither a fixed lump sum contract nor a piece work contract but is a contract to carry out the work in respect of the entire work as defined in the contract documents to be paid for according to actual measured quantities at the rates contain in the bill of quantities or as provided in the said contract documents.
5. The contract shall afford every reasonable facility for the carrying out of all works relating to the work in the manner laid down in the said conditions, and shall make good any damages done to walls, floors, etc. after the completion of such works.

6. The Employer reserves to itself the right of altering the Drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this Contract.
7. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work from date of Letter of Acceptance and to complete the entire work within 12 weeks subject nevertheless to the provision for extension of time.
8. All payments by the Employer under this contract will be made only at Bhubaneswar
9. All disputes arising out of or in any connected with this agreement shall be deemed to have arisen at Bhubaneswar and only court in Bhubaneswar shall have jurisdiction to determine the same.
10. That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor. The Contractor shall not be entitled for the payment for the quantities beyond the tendered quantities unless ordered for by specific written instructions from the Architect / Engineer.

IN WITNESS WHEREOF THE Employer and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first hereinabove written. (If the contractor is a partnership or an individual).

IN WITNESS WHEREOF the Employer has set its hand to these presents through its duly authorized official and the Contractor has caused its common seal of to be affixed hereunto and the said two duplicates/has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first hereinabove written (If the Contractor is a company).

Signature Clause

SIGNED AND DELIVERED by the Indian Bank by the hand of

Shri _____

(Name and Designation)

_____ in

the presence of

(1) _____

Address _____

(2) _____

Address _____

Witness

SIGNED AND DELIVERED BY

If the party is a partnership firm
, of an

in the presence of

(1) _____

Address _____

(2) _____

Address _____

Witness

THE COMMON SEAL OF _____

Was hereunto affixed pursuant to the resolutions passed by its Board of Directors at the meeting held on

_____ in the presence of

(1) _____

(2) _____

Directors who have signed these presence in token thereof in the presence of

(1) _____

(2) _____

(3) individual should be signed by all or on behalf of all partners.

If the contractor signs under its common seal the signature clause should tally with the sealing clause in the Articles of Association.

SIGNED AND DELIVERED by the contractor by the hand of Shri

And duly constituted attorney

INDIAN BANK
TECHNICAL SPECIFICATION OF MATERIAL TO BE USED

1. LT PANELS : ANY CPRI APPROVED FABRICATOR
2. LT ACBs : L&T / SIEMENS/ ABB
3. MCCB / ISOLATORs : L&T / SIEMENS/ GE / ABB
4. CURRENT TRANSFORMER :KAPPA / AE / KALPA / RISHAB
5. RELAYS :GEC ALSTOM / EASUN / RISHAB
6. INSTRUMENTS :AE / HPL / L&T / ELECON / RISHAB
7. INDICATING LAMPS :SIEMENS/ L&T/AE
8. SELECTOR SWITCHES :SALZER / KAYCEE / L&T/AE
9. FR WIRES :FINOLEX / POLYCAB / RR-KABEL
10. LT PVC ARMoured CABLES AL/CU
CCI :POLYCAB / GLOSTER / NICCO/ FINOLEX/
11. MS CONDUITS :GUPTA / AKG/BEC/SIDDARTH
12. PVC CONDUITS :PRECISION/Circle-Arc/Plaza/Berlia
13. DISTRIBUTION BOARDS : L&T / SIEMENS/ HAGER / ABB/LEGRAND
14. MCB's : L&T / SIEMENS/ GE / ABB /LEGRAND
15. SWITCHES & SOCKETS : MK / LEGRAND/ Siemens
16. GI ANODISED METAL BOX
EGRAND/Siemens/Roma/Philips : MK/ LEGRAND

17. CABLE GLANDS :COMET / JAINSONS/ DOWELL'S
18. CRIMPING SOCKETS (Lugs) :DOWELLS / JAINSON/DOWELL'S/ COMET
19. LIGHT FITTINGS : PHILIPS /Crompton/Wipro /Syska
20. CEILING FAN / ESHAUST FAN : CROMPTON / BAJAJ/HAVELS
21. APFC Relay : L & T/ HPL/ Enercon/Siemens/Neptune
22. Capacitor : L&T/HPL/Siemens/ Neptune/ Meher
23. Cable trays : PROFAB, PBIPL, PINNACLE
24. Bus Ducts : Schneider, Godrej, Zukkini, L&T
25. Data/Voice Cables : Systemac, D-Link, Amp
26. Data/Voice Jacks : D-Link/Amp

FORM OF TENDER

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.....
.....

Dear Sirs

Ref:.....
.....
.....

I/We refer to the tender notice issued by you for **Electrical and Data Cabling Work of Malipur Branch and ATM.**

In connection with the above,

- 1) I/We do hereby offer to perform provide execute complete and maintain the works in conformity Bill of Quantities for the sum of RS.....(Rupees..... .) only at the respective rates quoted in the bill of quantities.
- 2) I/We have satisfied myself/ourselves as to the site conditions, examined the drawings and all aspects of the tender conditions subject to above, I/We do hereby agree should this tender be accepted in whole of part off:
- 3) Abide by and fulfill all the terms and provisions of the said conditions annexed hereto:
- 4) Complete the works within 30 days stipulated in two or three shifts if considered necessary by the Consultants at no extra cost to the Owner.
- 5) I/We have deposited the earnest money of RS.....which we note will not bear any interest and is liable to forfeiture,
 - i) If the offer is withdrawn within the validity period of acceptance.
o r,
 - ii) If the contract is not executed with 7 days from award of contract.
o r,
 - iii) The acceptance of this tender shall constitute a binding of contract and any failure as mentioned in Clause.4 shall constitute a breach of contract by us and the tender accepting authority shall be entitled to have the work executed at our risk and cost and to claim extra cost/expenditure incurred by them from us.
5. Unless and until a formal agreement is prepared and executed this tender together with your written acceptance thereof shall constitute as a binding contract.
6. I/We understand that you are not bound to accept the lowest any tender received.
7. I/We have independently considered the amount of liquidated damages in the Appendix to the General conditions of the Contract and

agree that it represents fair estimate of the loss likely to be suffered by you in the event of the works not being completed in time.

8. Our Bankers are:-

l) The names of Partners/Directors of the firm Authorized to sign

Yours faithfully,

Name of person having power of
Attorney to sign the contract.

(Certified true copy of the
Power of attorney should be
attached.)

Signature of
the Contractor

ABSTRACT

Electrical work of Branch:- Rs.....

Electrical work of A.T.M:- Rs.....

TOTAL:- Rs.

Total amount in words:-

DETAIL ESTIMATE FOR ELECTRICAL WORK FOR INDIAN BANK , MALLIPUR BRANCH .					
SL .N o.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE in Rs.	AMOUNT in Rs.
	PANEL BOARD & DISTRIBUTION BOARDS.				
1.0	<p>Main Panel Board</p> <p>Supply, delivery, installation , testing , commissioning , of indoor wall mounted , type distribution boards made out of 2 mm thk. CR sheet metal painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through, vermin proof having provision cable by conduit entry, earthing stud as per specification mentioned below duly factory wired confirming to the relevant ISS & as per special condition of contract, making good the damages M.S. Cubical type Panel board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in-charge). The Contractor should Submit The Testing Cartificate to the Client after Installation.</p> <p>Incoming :-</p> <p>1No 100 A- 16KA - 4POLE -MCCB.</p> <p>1 set of 100A TPN copper bus bar (18 X6 mm)</p> <p>63A, 4-POLE Change over (AC load should not be connected to GENERATOR power.)</p> <p>1 set of 100 A TPN copper bus bar(16 X 5 mm)</p> <p>Out going :-</p> <p>1 Nos 40A, 4P MCB, for U.P.S. & INVERTER</p> <p>1 Nos 40A, 4P MCB, Spare</p> <p>1 Nos 63 A TPN MCB for A.C</p> <p>6 Nos 25 A SP MCB for A.C</p>	Set	1.00		

	<p>2 Nos 40A, 4P MCB, for L.D.B & P.D.B</p> <p>1 Nos 25 A DP MCB for Glow sign board & Outer Lighting</p> <p>1 Nos 25 A DP MCB Spare</p> <p>All MCB must be class C Type</p> <p>1No. Digital Volt meter with Volt meter selector switch & Control fuse.</p> <p>1No. Digital Ammeter with Ammeter selector switch & CT.</p> <p>Cable tray.</p> <p>Termination bar for each out put</p> <p>6 Nos Phase indicator L.E.D. lamps</p>				
2.0	Supplying & Fixing 125 Amp, 415 V Wireable IC Cutout - 3nos in MS encloser withj lock & key arrangements.	Set	1.00		
3.0	Supply & Installation of SPD (Surge Protector Devicve) for general protection of main Electrical Panel Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Imax 40KA/pole with complete wiring.	Set	1.00		
4.0	Supply and installation of SPN, Double Door, Metal type Distribution Board. (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Engineer-in-charge), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears :				
4.1	<p>L.D.B / P.D.B (Light/power Distribution Board)</p> <p>12 way SPN DB</p> <p>Incoming :- 1 No. 32A DP MCB</p> <p>Outgoing :- 10 No. 6-10 A SP MCB</p> <p>All MCB must be 'C' Series</p>	Set	1.00		
4.2	<p>C.D.B (Computer Distribution Board)</p> <p>12 way SPN DB</p> <p>Incoming :- 1 No. 32A DP-10 kA - MCB</p> <p>Outgoing :- 10 No. 6-10 A SP-10 kA - MCB</p> <p>All MCB must be class C Type</p>	SET	1.00		
4.3	<p>A.C.D.B (A.C Distribution Board)</p> <p>4 way TPN DB</p> <p>Incoming :- 1 No. 63A 4P-10 kA - MCB</p> <p>Outgoing :- 7 No. 25 A SP -10 kA - MCB</p>	SET	0.00		

	All MCB must be class C Type				
4.4	<p>U.P.S Incoming DB 8 way SPN DB Incoming :- 1 No. 40 A TPN -10 kA - MCB Outgoing :- 1 No.32 A DP-10 kA - MCB (for UPS) 1 No.32 A DP-10 kA - MCB (for Inverter) All MCB must be class C Type</p>	SET	1.00		
4.5	<p>U.P.S Outgoing DB 8 way SPN DB Incoming :- 40 Amp DP-10 kA - MCB – 1 No Out going :- 1No. 32 A DP-10 kA - MCB (for C.D.B) 3 No. 6-10 A SP-10 kA - MCB (for esential equipment) All MCB must be class C Type</p>	SET	1.00		
4.6	<p>U.P.S Changeover DB 4 way SPN DB 40 Amp DP Changeover MCB type 2 nos.</p>	SET	1.00		
5.0	<p>Master switch with Phase indicating lamp. Supply, delivery, installation , testing , commissioning , of L&T indoor wall type distribution boards made out of 2 mm thk. CR sheet metal duely acid treated premised & painted with 2 coats of enamel paint . M.S. board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in-charge). 4 Nos Phase indicator lamps 1 No. 100 A -415V-4P isolator. (for A.C) 1 No. 63 A -415V-4P isolator (for Light/ Power) 1 No. 40 A -415V-DP isolator (for UPS)</p>	SET	1.00		
6.0	Timer for Glow Sign board .	SET	1.00		

	Supply,installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with 16 Amp Modular switch of (MK/Legrand's/Havel's or equivalent) make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc all accessories complete enclosed in Powder coated metal box as required,Supply taken from Panel .wiring using 1100V FR grade 2R (P+N) x 4.0 Sq.mm +1R (E) x 2.5 Sq.mm FR multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR PVC conduits of 20mm Dia 1.5 mm thick as per direction of Engineer in charge. The system will be apart of the panel board.				
	FITTINGS OF FIXTURES				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFOTE ORDERING THEM.				
	Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardwares etc. Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fitxtures from any make as required.				
1.0	Supply,installation and testing of recess LED lights fittings (31 - 34 W) of squire type (2'-0"x2'-0") with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge. It also	Nos.	7.00		

	include 16 SWG GI wire supported from RCC roof.				
2.0	Supply, installation and testing of recess LED lights fittings (12-18W) of spot type with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	21.00		
3.0	Supply, installation and testing of recess LED lights fittings (2-3W) of spot type (Adjustable focusing) with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	8.00		
4.0	Supply, installation and testing of recess LED lights fittings (18-20W) of Sq. type with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	0.00		
5.0	Providing and fitting of 450 mm sweep High Flo Wall fan (full metal body) of Armoda / Crompton Equivalent Make as required as per direction of Engineer in charge.	Nos.	6.00		
6.0	Providing and fitting of 225 mm sweep heavy duty Exhaust fan of Orient/ Crompton Equivalent Make as required as per direction of Engineer in charge.	Nos.	3.00		
7.0	Providing and fitting of 1200 mm sweep ceiling fan of Orient/ Crompton High Speed Equivalent Make as required as per direction of Engineer in charge.	Nos.	2.00		
8.0	Supply & fixing of fan-hook, by cutting roof slab and welding 10 mm dia. Fan hook with main reinforcement of roof slab complete in all respect.	Nos.	2.00		
9.0	Supplying , fixing of 1x 20W LED Batten lights fittings with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	6.00		
10.0	Supply, installation and testing of LED Bulb fittings (1x9wt) with angle holder of Crompton /Philips/ Wipro or equivalent as required as per direction of Engineer in	Nos	2.00		

	charge.				
11.0	Providing and fitting of call bell Remote Controlled with Battery of approved make .	Nos.	1.00		
12.0	SITC of LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- SITC of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, CG.	Mt.	40.00		
LIGHT & POINT WIRING WORK					
	Wiring for light/fan/exhaust fan points using (2Rx1.5sqmm +1Rx1.0 sqmm) 1.1 kV grade PVC insulated stranded copper conductor wire (Finolex/ Havell's/ Richa/ RR kebel/ KEI or equivalent) for phase, neutral and earth (with proper R,Y,B color code) in 25 mm dia heavy duty PVC conduit along with associated accessories like MS junction boxes, bends, saddles, screws et. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 10 Amp modular plate type switches etc.(MK/Legrand's/Havel's or equivalent), as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and as per site requirement and as instructed by Engineer In-Charge.				
1.0	One light point including the cost of 6A modular switch	Nos	15.00		
2.0	Two light point including the cost of 6A modular switch	Nos	15.00		
3.0	Ceiling Fan Point including the cost of 6A Switch along with 5 step electronic fan regulator.	Nos	2.00		
4.0	Wall Fan Point along with 6 AMP switch & 3 PIN Socket	Nos	6.00		
5.0	Exhaust Fan Point along with 6 AMP switch & 3 PIN Socket	Nos	3.00		
6.0	SITC of Call Bell Point & Call Bell.	Nos	1.00		

7.0	6A Switch & Plug point in same switch board	Nos	3.00		
8.0	Cove light points including the cost of 6A modular switch	Nos	4.00		
	POWER POINT WIRING WORK				
1.0	Raw Power point wiring in heavy duty PVC conduit of IS specification of proper size with (2Rx2.5sqmm +1Rx2.5sqmm) PVC insulated stranded copper wire 1.1KV grade (Finolex/Havells/Polycab/RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from LDB/PDB (Raw). The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the heavy duty PVC conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / Havells or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing. All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48				
1.1	With 1nos 6A socket with single 6A switch.	Nos	5.00		
1.2	With 1nos 16A socket with individual 16A switch. (POWER)	Nos	2.00		
1.3	With 2nos 16A socket with individual 16A switch. (Cash /BM)	Nos	2.00		
2.0	With 1nos 16A socket with individual 16A switch & 16A pluge unit with 1.0 mtr long 3 core 2.5 Sqmm Copper flexible cable for strong room power supply switch board installed at STRONG ROOM entrance Gate complete in all respect as required.	Nos	1.00		
	A.C. POINT				

1.0	SITC of AC Point Wiring with 2 No. 4.0 Sq.mm and 1 No. 2.5 Sq.mm Multistrand Copper Wire & Industrial plug & Socket with 10/16 Amp. DPMCB complete in all respect as required by the Bank (for 1.0 / 1.5 TR Hi-Wall Split ACs)	Nos	4.00		
2.0	SITC of AC Point Wiring with 2 No. 6.0 Sq.mm and 1 No. 2.5 Sq.mm Multistrand Copper Wire & Industrial plug & Socket with 20 Amp. DPMCB complete in all respect as required by the Bank (for 2.0 TR Split / Cassette ACs). The point shall be placed near outdoor unit.	Nos	0.00		
COMPUTER WIRING WORK					
1.0	Computer Power point wiring in heavy duty PVC conduit of IS specification of proper size with (2Rx2.5sqmm +1Rx1.5sqmm) PVC insulated stranded copper wire 1.1KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from UPS OUT GOING DB/CDB . The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the heavy duty PVC conduit with all ccessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / Havells or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing. All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48				
1.1	Computer points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 3 nos. 6 Amp 3 Pin Modular socket below table top taken from Nearest C.D.B . Maximun 3 Points per Circuit for counter & Table. S.I.T.C. as directed by the Engineer-in-charge.	Nos	5.00		

1.2	Computer points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 1 nos. 16 Amp 3 Pin Modular socket taken from UPS outgoing DB . Maximun 2 Points per Circuit for passbook printing mechine / CCTV monitor/ CCTV DVR & monitor etc . S.I.T.C. as directed by the Engineer-in-charge.	Nos	3.00		
1.3	Computer points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 4 nos. 16 Amp 3 Pin Modular socket taken from UPS outgoing DB . Maximun 2 Points per Circuit for Data Rack . S.I.T.C. as directed by the Engineer-in-charge.	Nos	1.00		
	CABLE, MAINS & SUBMAINS.				
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard FR copper wire run inside rigid FR PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
1.1	Recessed wiring with (2Rx4.0sqmm +1Rx2.5sqmm) copper wire (UPS output to CDB/ UPS Master / to glow sign board)	Mts	90.00		
1.2	Recessed wiring with (2 Rx6.0 sqmm +1Rx4.0 sqmm) copper wire (PANEL to L.D.B / P.D.B / UPS input /Light master switch) as per requirement	Mts	50.00		
1.3	Recessed wiring with (1Rx2.5sqmm) copper wire for inverter wairing .	Mts	50.00		
2.0	S & I of 1100V grade copper armoured/ unarmoured cable having sector / circular shaped aluminium conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.				

2.1	Surface wiring with (6 sqmm) 4C core unarmored copper cable . (From main Panel to master AC DB / LDB / PDB Contoller / to U.P.S input DB) as per requirement .	Mts	20.00		
2.2	Surface wiring with (10 sqmm) 4C core unarmored copper cable . (From main Panel to master AC DB Contoller)	Mts	5.00		
2.3	Surface wiring with (16 sqmm) 4C core unarmored copper cable . (From main Panel to master AC DB / Kit kat to Panel Contoller)	Mts	5.00		
2.4	SITC of 4 Core 25.0 Sq.mm Copper conductor Armoured Cable for service line connection up to Kit kat fuse unit complete in all respect as required.	Mts	0.00		
EARTHING					
1.0	Preparation and commissioning of earth pits with PIP technology GEL type 50mmdia 3000mm long earth electrod. (One Dedicated Earthing for ATM UPS, Branch UPS, Data Rack and Main Electrical Panel) This item also include commissioning company manufacture 200 mm dia PVC earthing pit.	Nos.	3.00		
2.0	Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required for Panel Board .Two separate G.I strip should be laied for Panel board.	Mts.	30.00		
3.0	SITC of Earthing conductor from earth terminal to load point with 10 sq mm multstrand copper conductor FR pvc /XLPE insulated cable in required dia PVC heavy duty conduit complete in all respect as required.	Mts.	30.00		
COMPUTER NETWORKING					
1.0	Supply of all required materials and laying of CAT-6 LAN wairing from server to Hub and Hub to computer I/O Points of approved brand ((D-Link/Digilink/Amps) laid through rigid FR PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. completeas in all respect including making good to all	Mts	160.00		

	damages caused and as per the direction of Consultant and Engineer-in-charge.				
2.0	Supply & fixing of RJ-45 Jack of Category 6 with Dual/Single -port British-style Face plate 86x86 mm with Two Piece design : Mounting Frame and Cover Plate , Elegant : hidden-screw design ,Standards : ANSI/TIA-568-C.2, ISO/IEC 11801:2002 AMMD.2:2010, ISO/IEC 60603-7 Compliant, RoHS Directive 2002/95/EC/Compliant, YD/T 926.3-2009 and wall mount box (Material : ABS, Shape : Square Size : 86 x 86, Colour:White) ,and Keystone Jack, Cat6 UTP, 180° Punch Down Type Without Door, Qualified unscreened Class E/Cat.6 Channel ANSI/TIA-568-C.2 , IEC 60603-7 compliant,ROHS Compliant, Plug Insertion Life : ≥ 750 Cycles with FCC Compliant RJ-45 Plug Plug & Jack Contact Force : ≥ 100 Grams with FCC Compliant RJ-45 Plug •ISO/IEC 11801 2.2 Edition. Make: Legrand/Tyco/Digisol				
2.1	Dual Poart	Nos.	2.00		
2.2	Single Poart	Nos	5.00		
3.0	Supply & fixing 1Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	9.00		
4.0	Supply & fixing 2Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	9.00		
5.0	Supply & fixing 9 U wall mounted modem rack with power distribution box, cable manager, cantilever self, fan & mounting kit etc all complete. (Make Valrack, Comrack, HCL)	No.	1.00		
6.0	Supply & fixing 24 port PATCH PANEL (Make D-LINK, AMP, HCL)	No	1.00		

7.0	Supply and fixing 24 port - 10/100/1000 mbps- L2 unmanaged switch with 2SFP port. (Giga switch) of (Cisco / D-link / Zyxel/ HP)	Nos.	1.00		
	PHONE WIRING .				
1.0	Supply of all required materials & laying of the following sizes of phone wires of approved make inside the approved size PVC conduit complete in all respect as per instruction of EIC .2 pairs telephone wires	Mtrs.	35.00		
2.0	Supply , fixing , testing of phone point with suitable GI boxes with phone , socket complete in all respect as per direction of EIC .	Nos.	2.00		
	BRANCH RENOVATION WORK				
1.0	Making temporary connections and dismantling & shifting of points all across the Branch and for workstations (Electrical, UPS and telephone) to enable smooth functioning of the branch during renovation all complete as per the instructions of Bank's Engineer/ Architect. Item to include supplying all wires, cables, conduits etc. for the same.	Job	0.00		
TOTAL				Rs.	

**DETAIL ESTIMATE FOR ELECTRICAL WORK FOR INDIAN BANK , MALLIPUR
ATM .**

S L · N o ·	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE in Rs.	AMOUNT in Rs.
	PANEL BOARD & DISTRIBUTION BOARDS.				
1 · 0	Supply and installation of SPN, Double Door, Metal type Distribution Board. (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Engineer-in-charge), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears :				
1 · 1	C.D.B (Computer Distribution Board) 4 way SPN DB Incoming :- 1 No. 32A DP-10 kA - MCB Outgoing :- 2 No. 6-10 A SP-10 kA - MCB All MCB must be class C Type	SET	1.00		
	FITTINGS OF FIXTURES				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFOTE ORDERING THEM.				

	<p>Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardwares etc.</p> <p>Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fixtures from any make as required.</p>				
1 . 0	Supply, installation and testing of recess LED lights fittings (12-18W) of spot type with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	6.00		
2 . 0	Supply, installation and testing of recess LED lights fittings (18-20W) of Sq. type with all accessories complete of Crompton /Philips/ Wipro or Equivalent Make as required as per direction of Engineer in charge.	Nos.	0.00		
	LIGHT & POINT WIRING WORK				

	<p>Wiring for light/fan/exhaust fan points using (2Rx1.5sqmm +1Rx1.0 sqmm) 1.1 kV grade PVC insulated stranded copper conductor wire (Finolex/ Havell's/ Richa/ RR kebel/ KEI or equivalent) for phase, neutral and earth (with proper R,Y,B color code) in 25 mm dia heavy duty PVC conduit along with associated accessories like MS junction boxes, bends, saddles, screws et. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 10 Amp modular plate type switches etc.(MK/Legrand's/Havel's or equivalent), as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and as per site requirement and as instructed by Engineer In-Charge.</p>				
1 .0	One light point including the cost of 6A modular switch	Nos	0.00		
2 .0	Two light point including the cost of 6A modular switch	Nos	3.00		
	A.C. POINT				
1 .0	Supply of all required materials and wiring to 2 nos of Split AC in ATM with 2 nos 16 Amp Modular socket of legrand myline or equivalent make mouted on suitable size GI concealed Box controlled by 25 Amp Digital timer operated Alternately supplied by a 25 Amp RCBO Sensitivity 30mA Enclosed in 6 way SPN DB of Legrand or Equivalent make taken from Main Panel . with galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI concealed back box, etc. .The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge.	Nos	1.00		

COMPUTER WIRING WORK					
1 . 0	Computer Power point wiring in heavy duty PVC conduit of IS specification of proper size with (2Rx2.5sqmm +1Rx1.5sqmm) PVC insulated stranded copper wire 1.1KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from UPS OUT GOING DB/CDB . The wiring shall be carried out on surface above false ceiling by chiselling the existing surface and plastering the same with cement etc. after fixing the heavy duty PVC conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / Havells or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing. All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48				
1 . 1	Computer points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 1 nos. 16 Amp 3 Pin Modular socket taken from UPS outgoing DB . Maximum 2 Points per Circuit for passbook printing machine / CCTV monitor/ CCTV DVR & monitor etc. S.I.T.C. as directed by the Engineer-in-charge.	Nos	2.00		
CABLE, MAINS & SUBMAINS.					
1 . 0	Supply of all required materials and wiring to circuits/ sub mains with following number and sizes of PVC insulated 1100 volt grade multi standard FR copper wire run inside rigid FR PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-				

	charge.				
1	Recessed wiring with (2Rx4.0sqmm +1Rx2.5sqmm) copper wire (UPS output to CDB/ UPS Master / to glow sign board)	Mts	30.00		
	EARTHING				
1	Preparation and commissioning of earth pits with PIP technology GEL type 50mmdia 3000mm long earth electrode. (One Dedicated Earthing for ATM UPS, Branch UPS, Data Rack and Main Electrical Panel) This item also include commissioning company manufacture 200 mm dia PVC earthing pit.	Nos.	1.00		
2	SITC of Earthing conductor from earth terminal to load point with 10 sq mm multstrand copper conductor FR pvc /XLPE insulated cable in required dia PVC heavy duty conduit complete in all respect as required.	Mts.	10.00		
	COMPUTER NETWORKING				
1	Supply of all required materials and laying of CAT-6 LAN wairing from server to Hub and Hub to computer I/O Points of approved brand ((D-Link/Digilink/Amps) laid through rigid FR PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete as in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mts	60.00		

2 . 0	Supply & fixing of RJ-45 Jack of Category 6 with Dual/Single -port British-style Face plate 86x86 mm with Two Piece design : Mounting Frame and Cover Plate , Elegant : hidden-screw design ,Standards : ANSI/TIA-568-C.2, ISO/IEC 11801:2002 AMMD.2:2010, ISO/IEC 60603-7 Compliant, RoHS Directive 2002/95/EC/Compliant, YD/T 926.3-2009 and wall mount box (Material : ABS, Shape : Square Size : 86 x 86, Colour:White) ,and Keystone Jack, Cat6 UTP, 180° Punch Down Type Without Door, Qualified unscreened Class E/Cat.6 Channel ANSI/TIA-568-C.2 , IEC 60603-7 compliant,ROHS Compliant, Plug Insertion Life : ≥ 750 Cycles with FCC Compliant RJ-45 Plug Plug & Jack Contact Force : ≥ 100 Grams with FCC Compliant RJ-45 Plug •ISO/IEC 11801 2.2 Edition. Make: Legrand/Tyco/Digisol				
2 . 1	Dual Poart	Nos.	1.00		
2 . 2	Single Poart	Nos	0.00		
3 . 0	Supply & fixing 1Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	2.00		
4 . 0	Supply & fixing 2Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	2.00		
TOTAL			Rs.		