



INDIAN BANK
ZONAL OFFICE, BERHAMPUR.

TENDER FOR

ELECTRICAL & DATA WORKS OF ZONAL OFFICE, BERHAMPUR

NAME OF THE TENDERER:

ADDRESS OF THE TENDERER:

DATE OF SUBMISSION OF TENDER: 05 / 11 / 2018

TIME: ...2.00 PM.

PLACE OF SUBMISSION OF TENDER :

To
The Zonal Manager,
Indian Bank,
Courtpetta Branch,
Berhampur.

CONSULTANT

TECHNO ARCH

Plot No - 71/7, Jadupur, Near City Bus Stand, Bhubaneswar.19
Ph.0674-2551479, Mobile. 943718963

TENDER NOTICE

Sealed item rate tenders in duplicate are invited on behalf of the Zonal Manager, Zonal Office, Berhampur from the **Contractors empanelled with the Indian Bank (Bhubaneswar Zone)** and not debarred/to be debarred for the work of **ELECTRICAL & DATA WORK FOR INDIAN BANK AT ZONAL OFFICE , BERHAMPUR (ODISHA)**

01. Issue of tender documents : **Dt 20 /10/2018 to 03/11/2018 up to 4.00 PM**
02. Last date of receipt of tender document : **05 / 11 / 2018 up to 2.00 PM**
03. Date & Time of opening : **05 / 11 / 2018 at 4.00 PM**
04. Place of submission of bids : **INDIAN BANK, Courtpeta Branch, Berhampur.**
05. Date of commencement : **7 days from issue of work order.**
06. Date of completion of work : **30 days from issue of work order.**
07. Period for settlement of final bill : **30 days from date of issue of completion certificate by the Architect.**
08. Retention percentage : **10 % (Ten percent) from final bill.**
09. Earnest money deposit : **Rs 8,400.00 /- (Rupees Eight thousand four hundred only)**
10. Security deposit : **@ 2 % of contract value.**
13. Defect liability period : **12 months from the date of completion certificate issued by the Bank Architect.**
14. Cost of tender document : **Rs. 700/- (Rupees Seven hundred only)**
(Tender documents can be obtained from the office of the Consultant)
15. Interested bidder may obtain further information from the office of consultant / Bank Architect.
16. Bank reserves the right to reject wholly or part of any or all tenders received without Assigning any reason whatsoever, Also Bank reserves the right to split the work and place the order to more than one party.

Zonal Manager
For & On Behalf of
Indian Bank
Berhampur Zone

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 Electrical & Data work for INDIAN BANK at Zonal office, Berhampur. (ODISHA)" and are to be submitted at The Zonal Manager, **Indian Bank, Courtpeta Branch, Berhampur.** . 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 Berhampur for the amount indicated in the Notice of Invitation to Tender.

ENVELOPE MARKED NO.2

Envelope marked No.2 shall contain the priced Tender Volume in duplicate - Marked 'ORIGINAL' & 'DUPLICATE', on the body of the tender paper issued in which case the tender may be liable for rejection.

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 work of Zonal office for INDIAN BANK at **BERHAMPUR**(ODISHA)

GENERAL INSTRUCTION TO TENDERER

- 1) The term "**Bank**" shall mean "**INDIAN BANK**" or its authorized representatives at The Zonal Office, Berhampur .
- 2) The term "**Architect(s)**" shall mean "M/s.Techno Arch. who are the Architect Consultant to the Employer for this project & having office at Plot No. 71/7, Jadupur, near Dumuduma City 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 & data work for **ZONAL OFFICE, BERHAMPUR .**
- 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 Electrical & data works for **ZONAL OFFICE ,BERHAMPUR .**

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.

10) Additional Performance Security shall be deposited by the successful bidder when the bid amount is seriously unbalanced i.e. less than the estimated cost by more than 10%. In such an event, the successful bidder will deposit the additional performance security to the extent of the differential cost of the bid amount & 90% of the estimated cost. (Additional Performance Security = 90% of the Estimated Cost – Bid Amount)

11) Additional Performance Security shall be deposited by the successful bidder when the bid amount is front loaded i.e. if the quoted value is 25% higher than the estimated rates, the bid shall be evaluated as unbalanced bid and additional performance security of 10% shall be retained on the amount of quoted value.

12) The additional performance security as per clause 10 & 11 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 favor of **INDIAN BANK**, Berhampur which will be over and above the performance security. **The Performance Security must be pledged within 5 days of opening of the tender or else the tender will be canceled and the EMD of the contractor will be forfeited.**

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.2,000.00 per day inclusive Sundays and Holidays.

14) The decision of Bank 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 Bank will not be liable for security of the Contractor's materials.

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

12) The Bank / 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 Bank shall 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 ZONAL MANAGER, INDIAN BANK, Zonal Office, BERHAMPUR .

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 including GST & include other taxes, no escalation of rates will be allowed under any circumstances.

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 of work. : One year after actual completion
4. Total security deposit (TSD) of the work : 10 % of the executed value of
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 of the tender. : Three month after the opening

8. Rules/ Regulations : The contractor shall have there 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 remove 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 Tax at source as per Act.
13. Terms of payment Project. Payment after completion of
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.

FORM OF TENDER

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Dear Sirs
Ref:.....

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- 1) I/We refer to the tender notice issued by your Consultant **M/s.Techno Arch, Plot No.71/7, Jadupur, Near Dumuduma City Bus stand, BHUBANESWAR** on your behalf for thein connection with the above.
 - 2) 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.
 - 3) 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 or part off:
 - 4) Abide by and fulfill all the terms and provisions of the said conditions annexed hereto:
 - 5) 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.
 - 6) 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. or,
 - ii) If the contract is not executed with 7 days from award of contract. or,
 - 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:- I)
II)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
Signature of
the
Contractor**

LIST OF APPROVED MAKE

- | | |
|--|--------------------------------------|
| 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 : Systimac, D-Link, Amp
26. Data/Voice Jacks : D-Link/Amp

BOQ FOR ELECTRICAL & DATA WORK FOR INDIAN BANK , ZONAL OFFICE AT BERHAMPUR .

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
1.ELECTRICAL WIRING WORK					
1.0	Concealed conduit wiring to light, ceiling fan, exhaust fan, Call bell points with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge.				
	1. Primary (I light/fan controlled by one switch)	Nos.	65.00		
	<i>Rate in words:-</i>				
	2. Subsequent point(Looped From Primary)	Nos	36.00		
	<i>Rate in words:-</i>				
	3. Primery point (wall fan controlled by 1 switch and one 5 Amp. socket)	Nos	30.00		
	<i>Rate in words:-</i>				
	4 .Recess conduit wiring to 6 Amp plug socket with switch on existing board as above.	Nos.	5.00		
	<i>Rate in words:-</i>				
2.0	Concealed conduit wiring to 6/16 Amp plug socket with 16A switch on separate board with (2x2.5 sq mm + 1(1x1.5 sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 16 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge at strong room / cash counter.	Nos	4.00		
	<i>Rate in words:-</i>				
3.0	Supply, installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with all accessories complete as required as per direction of Engineer in charge. The system will be apart of the panel board.	Nos.	1.00		
	<i>Rate in words:-</i>				
4.0	Concealed conduit wiring to light in UPS with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge.				
	1. Primary (I light controlled by one switch in UPS at cash counter/ BM/ banking hall)	Nos.	10.00		
	<i>Rate in words:-</i>				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
5.0	Main Panel Board	Set	1.00		
	Supply, delivery, installation , testing , commissioning , of L&T indoor wall ,floor , mounted , type distribution boards made out of 2 mm thk. CR sheet metal duely acid treated premised & painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through out its length duly lamp , 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).				
	Incoming-				
	1No 125A- 25KA - 4POLE -MCCB.				
	1 set of 150A TPN copper bus bar				
	1No 80A- 18KA - 4POLE -MCCB.				
	1 set of 100A TPN copper bus bar				
	63A, 4-POLE Change over				
	1 set of 100 A TPN copper bus bar				
	Out going-				
	1No 25KA - 40A TPN SPD				
	1 Nos 40A, 4P MCB, for U.P.S.				
	1 Nos 40A, 4P MCB, Spare				
	4 Nos 25A, 4P MCB, for Cassette A.C.				
	1 Nos 25A, 4P MCB, Spare				
	1 Nos 32A, 4P MCB, for A.C.D.B.				
	1 Nos 32A, 4P MCB, Spare				
	3 Nos 25 A DP MCB for 1.5 ton Split A.C.				
	1 Nos 25A, DP MCB, Spare				
	3 Nos 32 A DP MCB for L.D.B.				
	1 Nos 32 A DP MCB for Glow sign board & Outer Lighting				
	1 Nos 32 A DP MCB Spare				
	1 Nos 25 A DP MCB Spare				
	1No. VAF Digital meter with (150/5A)CT.				
	Cable tray.				
	Termination bar for each out put				
	6 Nos Phase indicator lamps				
	Rate in words:-				
6.0	Supplying & Fixing 125 Amp Wireable IC Cutout - 3nos in MS encloser withj lock & key arrangements.	Set	1.00		
	Rate in words:-				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
7.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.(PREMIUM TYPE)				
a	L.D.B	Set	3.00		
	12 way SP DB				
	Incoming 1 No. 32A DP MCB				
	Out going 10 No. 6-10 A SP MCB				
	Rate in words:-				
8.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe 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.				
a	Concealed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire (LDB to Switch board)	Mts	350.00		
	Rate in words:-				
b	Concealed wiring with 2x (1x6sqmm) + 1x (1x4sqmm) copper wire (PANEL to L.D.B.)	Mts	80.00		
	Rate in words:-				
9.0	S & I of 1100V grade armoured 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.				
a	Concealed wiring with (35sqmm)3 1/2 core cable (Main Panel input)	Mts	20.00		
	Rate in words:-				
2.A.C. WIRING WORK					
1.0	Supply of all required materials and wiring to AC plug point with 2 (1x4sqmm) PVC insulated copper wire run inside screw type PVC conduit pipe with ISI market laid on surfaced/recessed of wall/ceiling alongwith 1 (1x2.5sqmm) PVC insulated copper wire as earth continuity conductor complete in all respect including with use of 1.5 TR AC starter, concealed metal boxes with cover, wire, 20A SPN metalclad plug socket, metallic switch box for plug, junction box etc complete with making good the damages caused as required and as per direction of Engineer in charge.	Nos.	8.00		
	Rate in words:-				
2.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.(PREMIUM TYPE)				
a	A.C DB	Set	1.00		
	4 way TPN DB (8+12 modules)				
	Incoming 1 No. 40A 4P MCB, 40A 4P Isolator.				
	Out going 6 No. 25A TP MCB				
	Rate in words:-				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
3.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe 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.				
a	Concealed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire (PANEL/AC DB to A.C. points .)	Mts	150.00		
	<i>Rate in words:-</i>				
4.0	S & I of 1100V grade armoured 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.				
a	Concealed wiring with 4 sq.mm 4 core PVC Armoured Cables ISI Marked+2x (1x2.5sqmm) copper wire. () FromMain Panel to Cassette A.C.)	Mts	50.00		
	<i>Rate in words:-</i>				
b	Concealed wiring with (6sqmm)3 1/2 core cable + 2x (1x4sqmm) copper wire. (FromMain Panel to ACDB)	Mts	30.00		
	<i>Rate in words:-</i>				
3. COMPUTER WIRING WORK					
1.0	Supplying & fixing of computer terminal boxes made of G.I. fitted with (1 nos. of 16 Amp switches + 4 nos. 6Amp socket) , all clip in modular type & as per direction of Engineer-in- charge.	SET	40.00		
	<i>Rate in words:-</i>				
2.0	Supply of all required materials & wiring to clip in modular type 5 No. of 6/16 amp socket points controlled by 2 No of 16 amp switch with indicator complete in all respect including making good to damages caused as per direction of EIC for Hub connection / printer supply .	SET	2.00		
	<i>Rate in words:-</i>				
5.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.(PREMIUM TYPE)				
a	C.D.B	SET	4.00		
	12 way SP DB				
	Incoming 1 No. 32A DP MCB				
	Out going 10 No. 6-10 A SP MCB				
	<i>Rate in words:-</i>				
b	C.D.B	SET	1.00		
	8 way SP DB				
	Incoming 1 No. 25A DP MCB				
	Out going 6 No. 6-10 A SP MCB				
	<i>Rate in words:-</i>				
c	U.P.S Incoming DB	SET	1.00		
	8 way SPN DB				
	40 Amp 4P MCB – 2 nos (1main & 1 spare).				
	<i>Rate in words:-</i>				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
d	U.P.S Outgoing DB	SET	1.00		
	12 way SPN DB				
	40 Amp DP MCB – 1 nos				
	25 Amp DP MCB – 5 nos				
	Rate in words:-				
6.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe 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.				
a	Concealed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire (C.D.B. to Computer Points)	Mts	500.00		
	Rate in words:-				
b	Concealed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire U.P.S. OUTPUT to C.D.B.)	Mts	130.00		
	Rate in words:-				
7.0	S & I of 1100V grade armoured 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.				
a	Concealed wiring with (10sqmm)3 1/2 core cable + 2x (1x6sqmm) copper wire. (PANEL to U.P.S. input)	Mts	30.00		
	Rate in words:-				
4. FITTINGS OF FIXTURES					
1.0	Supply,installation and testing of recess LED lights fittings (33 - 39 Wt) of squire type (2'-0"x2'-0") with all accessories complete of Philips/ Cropton /wipro/ Syska make as required as per direction of Engineer in charge.	Nos.	32.00		
	Rate in words:-				
2.0	Supply,installation and testing of recess LED lights fittings (14-17Wt) of squire type with all accessories complete of Philips / Crompton/ Wipro/ Syska as required as per direction of Engineer in charge.	Nos.	8.00		
	Rate in words:-				
3.0	Supply,installation and testing of recess LED lights fittings (6-9Wt) of sport type with all accessories complete of Philips / Crompton/ Wipro/ Syska as required as per direction of Engineer in charge.	Nos.	33.00		
	Rate in words:-				
4.0	Supply,installation and testing of recess LED lights fittings (11-15Wt) of sport type with all accessories complete of Philips / Crompton/ Wipro/ Syska as required as per direction of Engineer in charge.	Nos.	8.00		
	Rate in words:-				
6.0	Supplying , fixing of 1x 18watt LED patty fittings with all accessories make as per direction of EIC .	Nos.	3.00		
	Rate in words:-				
7.0	Providing ,Installation and testing of twin lights patty fittings (2x18wt) LED of surface mounting with all accessories complete assembly of Philips/ Crompton with down road as required as per direction of Engineer in charge.	Nos.	8.00		
	Rate in words:-				
8.0	Supply,installation and testing of fiexible LED strip of 5MTR of philips/Crompton/Wipro make along with electronic driver for30w flexi LED strip	Nos	8.00		
	Rate in words:-				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
9.0	Providing and fitting of 450 mm sweep Wall fan of approved make .	Nos.	30.00		
	<i>Rate in words:-</i>				
10.0	Providing and fitting of 400 mm sweep Exhaust fan of approved make .	Nos.	9.00		
	<i>Rate in words:-</i>				
11.0	Providing and fitting of 1200 mm sweep ceiling fan of approved make .	Nos.	3.00		
	<i>Rate in words:-</i>				
12.0	Providing and fitting of modular fan regulator of approved make .	Nos.	3.00		
	<i>Rate in words:-</i>				
13.0	Supply & fixing of fan-hook,by cutting roof slab and welding 10 mm dia.Fan hook with main re-Inforcemerit of roof slab complete in all respect	Nos.	3.00		
	<i>Rate in words:-</i>				
14.0	Providing and fitting of call bell of approved make .	Nos.	2.00		
	<i>Rate in words:-</i>				
5. EARTHING					
1.0	Earthing as per I.E. rules with 40mm dia G.I. pipe of 3 mt. Long perforated on all sides with arrangements of light , termination of 600x600x3mm copper plate & 19x3 G.I flat firmly connected to plate with copper nut & bolt , washer etc . The earth pit should be filled with alternate layers of charcoal, salt & soil. The brick masonry chamber is to be covered with CI cover of minimum 300mm x 300mm size with all accessories & as per direction of Engineer-in-charge.	Nos.	2.00		
	<i>Rate in words:-</i>				
2.0	Providing and fixing of chemical earth electroad made out of 50mm dia class-B Asahalock or equevalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcole, saltoreign soil, water pouring arrangements brick massionry encloser on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	SET	2.00		
	<i>Rate in words:-</i>				
3.0	Supplying & fixing Earth lead with GI Strip (25mmX3mm)	Mts.	80.00		
	<i>Rate in words:-</i>				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
4.0	The earth lead by 8sq.mm bare copper wire in GI pipe to connect from earth electrodes to UPS outgoing earth bus & as per direction of Engineer-in-charge.	Mts	50.00		
	<i>Rate in words:-</i>				
6.DATA / TELEPHONE WAIRING					
1.0	Supply of all required materials and laying of CAT-5 E LAN wiring from server to Hub and Hub to coputer number and sizes of PVC insulated of approved brand (D-Link/Digilink/Amps) run inside pre-laid PVC conduit pipe 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.	Mts	250.00		
	<i>Rate in words:-</i>				
2.0	Supply of all required materials and laying of CAT-6 LAN wiring from server to Hub and Hub to coputer number and sizes of PVC insulated of approved brand ((D-Link/Digilink/Amps) run inside pre-laid PVC conduit pipe 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.	Mts	600.00		
	<i>Rate in words:-</i>				
3.0	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.	50.00		
	<i>Rate in words:-</i>				
4.0	Supply , fixing of all required with Dual RJ 45 connector with cat – 6-LANand cat-5 cable with termination & 2Mt. Patch code with complete in all respect including IO box of (D Link / Amps) as per direction of EIC .make : D link wire / box.	Nos.	40.00		
	<i>Rate in words:-</i>				
5.0	Supply , fixing , testing of phone point with suitable GI boxes with phone , socket complete in all respect as per direction of EIC .	Nos.	16.00		
	<i>Rate in words:-</i>				
6.0	Providing fitting and fixing of 0.5mt. Cat-6 wire with 2 nos RJ-45 patch code including cost of all labour and material.	Nos.	80.00		
	<i>Rate in words:-</i>				
7.0	Supply & fixing 12" 12 U wall mounted modem rack with power distribution box, cable manager, cantilever self, fan & mounting kit etc all complete. (Make Valrack, Comrack, HCL)	Set	1.00		
	<i>Rate in words:-</i>				
8.0	Supply & fixing 24 port DATA SWITCH(Make D-LINK, AMP, HCL)	No	1.00		
	<i>Rate in words:-</i>				
9.0	Supply & fixing 24 port PATCH PANEL (Make D-LINK, AMP, HCL)	No	1.00		
	<i>Rate in words:-</i>				
10.0	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		
	<i>Rate in words:-</i>				
11.0	Supply & fixing 1Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP,HCL)	No.	40.00		
	<i>Rate in words:-</i>				
12.0	Supply & fixing 2Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP,HCL)	No.	40.00		
	<i>Rate in words:-</i>				
TOTAL					

total amount in words:-