

**यूनियन बैंक**  
ऑफ इंडिया



**Union Bank**  
of India

भारत सरकार का उपक्रम

A Government of India Undertaking

**REGIONAL OFFICE, CUTTACK,  
M-14 BARAMUNDA H B COLONY, BHUBANESWAR, ODISHA**

**TENDER DOCUMENT  
FOR ELECTRICAL & DATA CABLING WORK OF NISCHINTAKOILI BRANCH.**

NAME OF THE TENDERER : \_\_\_\_\_

ADDRESS OF THE TENDERER : \_\_\_\_\_

\_\_\_\_\_

**LAST DATE OF SUBMISSION OF TENDER : 05-07-2024 UPTO 4:00 PM**

**DATE OF OPENING OF THE TENDER : 05-07-2024 AT 4.30 PM**

**-:ARCHITECT:-**

ARCHITECTURAL DESIGN CELL  
HIG - I, PHASE-I, 7-ACRE,  
CHANDRASEKHARPUR, BHUBANESWAR,  
ODISHA - 751 016  
9937086768

Email. : [arvindbiswal.ab@gmail.com](mailto:arvindbiswal.ab@gmail.com), [architecturaldesigncell@rediffmail.com](mailto:architecturaldesigncell@rediffmail.com).

## NOTICE INVITING TENDER

Sealed item rate tenders are invited only from Electrical Contractors, empaneled by Union Bank of India, **Regional Office, Bhubaneswar**, Odisha for the following work: -

- 1) Name of the work : Electrical & Data cabling work of **Nischintakoili Branch** of Union Bank of India
- 2) Place of the work : **Nischintakoili**
- 3) Date of Commencement of work: 7 (Seven) Calendar days from the date of issue of work-order.
- 4) Time of completion : **14 (Fourteen) Calendar days.**
- 5) Defect Liability Period : 1 (One) Year
- 6) Earnest Money : Rs.14,000.00
- 7) Estimated Cost : **Rs. 4.63 Lakh Plus GST**
- 8) Issue of Tender Paper : Tender Documents can be downloaded from Bank's & Govt. Website i.e. [www.unionbankofindia.co.in](http://www.unionbankofindia.co.in) & [www.eprocure.gov.in](http://www.eprocure.gov.in)). from **28-06-2024 to 05-07-2024 up to 2.00 PM.**
- 9) Time, Date and Place of Submission of Tender Paper : **On or before 4.00 P.M. on 05-07-2024**  
At the office of :-  
The Regional Head,  
Union Bank of India,  
Regional Office, Cuttack Region,  
M-14 Baramunda H B Colony, Bhubaneswar-751003
- 10) Time, date and place of Opening of Tender : The Tender will be opened at 4.30 P.M. **on 05-07-2024 at the office of :-**  
The Regional Head,  
Union Bank of India,  
Regional Office, Cuttack Region,  
M-14 Baramunda H B Colony, Bhubaneswar-751003
- 11) Tender to be addressed to : The Regional Head,  
Union Bank of India,  
Regional Office, Cuttack Region,  
M-14 Baramunda H B Colony, Bhubaneswar-751003
- 12) Validity of Tender : Three (3) calendar months from the stipulated last date of submission of tender.
- 13) The rates quoted shall include all Taxes, Transport, handling charges on materials, labour etc but exclude GST.
- 14) Delay in submission arising out of postal or any other irregularities will not be considered. The Bank in any case will not be responsible for any damage in transit in case of postal delivery.
- 15) The Bank will not be bound to accept the lowest tender and reserves the rights to accept or reject any or all the tenders without assigning any reason whatsoever.

The Regional Head,  
Union Bank of India,  
Regional Office, Cuttack Region,  
M-14 Baramunda H B Colony,  
Bhubaneswar-751003.

## INSTRUCTION TO THE TENDERERS

1. The tenderer should study all the tender documents carefully and understand the tender contract conditions, drawings, and specifications etc., before quoting. If there are any doubts, they should get clarifications in writing but this shall not be a justification for submission of late tender or extension of opening date. Tender should be strictly in accordance with Architects' drawings, specifications and other tender documents.
2. The tenderer should visit the site and acquaint himself with the site conditions before quoting. He is also expected to know about the availability of water supply, electricity supply, approach road, construction materials as per consultant's specifications and any other ancillary facilities since these are to be provided/arranged by him (unless otherwise specified) at his cost to execute the works. All the above factors must be taken into account in the rates quoted.
3. The tenderer should quote his rates for all items in the tender schedule. All the rates given in the tender schedule should be expressed both in figures and words, and where there is a difference between the two, the rates given in words will be taken as authentic. Should there be any discrepancy between unit rate and amount, the unit rate will be considered as the correct one.
4. All entries in tenderer documents should be handwritten in ink. All corrections should be attested under the full signature of the contractor. Corrections where necessary should be made by scoring the wrong word figures by drawing a line across them and attesting these with the full signature of the contractor. These shall not be erased or overwritten.
5. Every page of the tenderer document should be duly signed by the tenderer.
6. Rates:- The quoted rates should be inclusive of all equipment's, materials, leads, labour, octroi duties, sales tax on work's contract, turnover tax, Excise, Customs etc. but exclusive of GST, required in connection with the completion of work to the entire satisfaction of the Corporation and Consultants. All the materials are to be supplied by the contractor unless otherwise stated. No claim for upward revision of rates will be allowed on account of any increase in tax, duty etc.
7. The quoted rates shall be valid for a period of six months from the date of opening of the tender. No upward revision of rates will be accepted after opening of the tender. If the Tenderer fails to accept the work order, if placed at his originally quoted rates, or subsequently negotiated rates, as the case may be, the earnest money will be forfeited. Once the quotations are accepted

and the work order placed on the successful tendered, the rates shall be valid till the entire work is 100% complete.

8. Tenderer shall quote his rates for all items of work described in the bills of quantities, irrespective of whether they are main items or alternate items. The Bank reserves to itself the right to adopt any of the alternate items, either in scrutinizing and deciding upon the tender or later when the works are being executed.
9. Incomplete tenders, conditional tenders, tenders received late or tenders not confirming to the terms and conditions prescribed in the tender documents or not accompanied by the requisite earnest money will be rejected. The bank is not bound to accept the lowest tender and reserves the right to reject any or every tenders without assigning any reason whatsoever and/or to carry out negotiations with the tenderers in the manner considered suitable by the Bank.
10. Tenderers may have to attend the concerned office of the Bank for negotiations/clarifications required by them in respect of their quotations without any commitment on the part of the Bank.
11. In case of negotiations, the tenderer should send the confirmation of successful negotiations so as to reach the Bank within three days from the date of negotiation failing which the Bank reserves the right to ignore the quotation.
12. Payment of Bills: No advance payment will be made. You will not ask for payment of Running Bill. Full and Final Bill will be paid to you after completion of the work to the satisfaction of Architect/Bank. You must ensure that there will be no compromise in Quality of Work. Payment will not be released if the work is not found Satisfactory. 3% of the bill amount payable will be retained with the bank as security deposit for defect liability for a period of one year and IT deduction for considering part payment as above.
13. Insurance: Till the tendered job is totally completed and handed over to the bank after satisfactory completion the contractor shall keep all the materials and equipment's etc. at his sole risk and responsibility a shall keep them insured at his cost and risks. Bank will not be responsible for any loss or damage to the materials or equipment's of the contractor.
14. **Giving discount on final tender amount creates confusion / ambiguity on calculation of the bill, hence contractors are advised to quote the final price (after discounts) in the tender document. Tender documents quoted with discounts are not acceptable. Tender documents mentioned with discounts will be rejected.**

Contractors' Signature with Seal

## **GENERAL CONDITIONS OF CONTRACT**

### **1.1 PROJECT INFORMATION**

(i) Owner: Union Bank of India, Regional Office, Cuttack Region, M-14 Baramunda H B Colony, Bhubaneswar

(ii) Architect: Architectural Design Cell, Bhubaneswar

(iii) Site: Hata Bazar Jagatsinghpur, Odisha

(iv) Work: Electrical & Data Cabling work.

### **1.2 SITE CONDITION:**

Tenderer shall visit the site to check the actual site condition prevailing at site. The tenderer shall visit the site and acquaint himself fully of the conditions and no claims what so ever will be entertained on the plea of ignorance or difficulties involved in the execution of work or for carriage of materials, storage, stacking etc., of material. The contractor shall also acquaint himself with existing electrical layout and position of electrical point.

### **1.3 SCOPE:**

The work consists of Electrical Installation work which includes Electrical Wiring, Supply & Fixing of Electrical Fixtures like lights, fans, bell, Computer Wiring, Earthing, Distribution Boards, Switch Boards etc.

All work during its progress and upon completion shall conform to the lines, elevation and grades, as shown on the drawings furnished by Architect, should any detail essential for completion of work be omitted from the drawings and specifications, it shall be the responsibility of contractor to inform the Owner/ Architect and to furnish and install such details with and ready for use.

Owner/ Architect may in their absolute discretion issue further drawings & or written instructions, directions in regard to:

- (a) The variation, alteration, modifications of the design, quality or quantity of work or Substitution of any work.
- (b) The removal from site of any defective material brought thereon by the contractor.
- (c) The demolition, removal and/or re execution of any work executed by the contractor.
- (d) The rectification & making good of any defects under clauses hereinafter mentioned and defects arising during the maintenance period.
- (e) The rates of items not mentioned in the schedule of quantities shall be fixed by the Owner in consultation with the Architect as provided in the clause of variation.

### **1.4 GOVERNMENT AND LOCAL RULES:**

The contractor shall conform to the provisions of all the local bye-laws and act relating to the work and to the regulations etc., of the Government and local authorities and of any company with whose system the structure is proposed to be connected. The contractor shall give all notices required by the said Act, Rules, Regulations and Bye-laws and pay all fees payable to such Authority/ Authorities for execution of the work involved. The cost, if any shall be deemed to have been included in his quoted rates, taking in account all liabilities for Licenses, fees for footpath encroachment and restoration etc., and shall indemnify the Employer against such liabilities and shall defend all actions arising from such claims or liabilities.

### **1.5 TIME OF COMPLETION.**

The total work shall be completed as per the stipulated period, in all respect. The work shall not be considered as complete until the Owner / Architect has certified in writing and the defect liability period shall commence from the date of such certificate.

**1.6 EXTENSION OF TIME:**

If in the opinion of the Employer/ Architect the works be delayed (a) by reason of any exceptionally inclement weather, or (b) by reasons of instruction from the Employer in consequence of proceedings taken or threatened by or disputes, with adjoining or neighboring owners or (c) by the works, or delay, of other contractors or tradesmen engaged or nominated by the Employer and not referred to in the specification or (d) by reason or authorized extra additions or (e) by reasons of any combination of workmen or strikes or lock out affecting any of the building trades or (f) from other causes which the Employer may consider are beyond the control of contractor, the Employer at the completion of the time allowed for the contract shall make fair & reasonable extension of time for completion in respect thereof. In the event of the Employer failing to give possession of the site upon the day specified above, the time of completion shall be extended suitably and no claim or extra rate shall be given.

**1.7 REMOVAL OF IMPROPER WORK:**

The employer shall during the progress of work have power to order in writing from time to time the removal of work within such reasonable time or times as may be specified, in the order of any materials which in the opinion of the Employer/ Architect are not in accordance with specification or instructions, the substitution or proper re-execution of any work with materials or workmanship not in accordance with the drawings and specifications or instructions. In case the contractor refuses to comply with the order the Employer shall have the power to comply and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Employer/ Architect shall be borne by the contractor. No certificate which may be given by the Architect shall relieve the contractor from his liability in respect of unsound work or bad materials.

**1.8 DAMAGE TO PERSON AND PROPERTY:**

The contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/ or decorative parts of the property which may arise from the operations or neglect of himself or of any sub contractor or of any of his or a sub contractor's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include inter alia, any damage to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, or ways as well as damages caused to the buildings and the works forming the subject of this contract by rains, wind or other inclemency of the weather. The contractor shall indemnify the Employer and hold harmless in respect of all and any expenses arising from any such injury or damages to persons or property as aforesaid and also in respect of any acts of compensation or damage consequent upon such claim. The contractor shall reinstate all damages of every sort mentioned in the clause, so as to deliver the whole of contract works complete and perfect in every respect and so as to make or otherwise satisfy all claims for damages to the property of third parties.

**1.9 VALIDITY:**

The contractor should note that the offer shall be valid for a period of 3 months from the date of opening of the quotation by the Bank.

**1.10 SECURITY:**

The contractor will make his own arrangements for the security of his materials of & decoration, electrical, etc., or any other material at site and the Bank will have no liability of any nature against the security.

**1.11 POWER SUPPLY:**

The power supply required will be made available by the owner.

**1.12 ELECTRICAL WORK:**

For electrical fixtures and light points required as per drawings the contractor has to draw the wires from existing position of light points, power points where ever and if available. The contractor shall submit the certificate from electrical contractor holding required license from M.P.E.B. and shall also get the old/ new meter, additional connection if required. Any charges towards the deposit/ replacement of meter or for any additional load shall however be borne by the Bank but rest all or any other charges shall be borne by the Contractor himself.

**TESTING & COMMISSIONING:** Before the lighting/ power installation is made alive the Contractor shall carry out tests enumerated below in presence of Employer/ Architect or his authorized representative. All testing equipment's necessary to carry out the tests shall be arranged by the Contractor and the test results recorded on approved preformed. Nothing extra shall be payable for testing.

01. Measure insulation resistance of each circuit without lamps being in place and it should be less than 5 mega ohms to earth.
02. Before energizing, measure insulation resistance of the cable from phase to phase and that from phase to ground. Insulation resistance of the bus bars at the lighting panel from phase to phase and from phase to ground shall be measured before energizing the panel and should comply latest IS codes.
03. Current and voltage of all phase shall be measured at the lighting panel bus bars with all circuits on the fixtures and also in all switch boards.
04. Check the earth continuity for all socket outlets. A fixed relative position of the phase & neutral connection inside the socket shall be established for the sockets.
05. The earth electrodes shall be tested for earth resistance by means of standard earth tester. The resistance between earthing system and the general mass of earth shall not be greater than 1 ohm.
06. While crossing the expansion joints of building, conduits shall be provided with flexible pipe and shall not be more than 250mm, at both the ends of conduit, proper flexible couplings shall be provided and earth wire shall be properly connected to earthing terminal of coupling.
07. Contractor should quote after site visit only. In case for cable trench, street light pole, pit, earthing pit, etc., or any place where Contractor has to dig the earth in hard strata or rock he has to do so at quoted rates only for item. No blasting shall be allowed for such digging.
08. For earthing of street light tubular pole earth spirit shall be used & 8 SWG G.I. wire as per standard specifications.

**1.13. VARIATION / DEVIATION:**

The contractor may when authorized and shall when directed in writing by the Employer add and or omit, or vary the works given in the drawings or described in the specifications of included in the priced schedule or quantities. The contractor on his own accord shall make no addition, omission or variation without such authorization or direction. A verbal authorization or direction by the Employer shall when confirmed correctly by the contractor in writing within 3 days shall be deemed to have been given in writing. The price of all such additional items will be worked out on basis of rates quoted for similar items in the contract wherever existing or on engineering rate analysis based on prevalent fair price of labor, material and other components as required.

**2.0 COMMERCIAL TERMS:**

**2.1 PAYMENTS:**

All bills shall be prepared by the Contractor in the form prescribed by Owner/ Architect, accompanied by detailed measurement in support of the quantities of work done. The Architect shall issue a certificate after due scrutiny of contractor's bill. The owner shall make the payment within 15 days of the date of certified bill by the Architect, after making

deduction as per clauses. No advance payment / running bill payment will be done for this work. Only final payment after certification of Architects will be done.

**2.2 RETENTION AMOUNT:**

Retention money shall be deducted from final bill to make 4% including of EMD.

**2.3 INCOME TAX:**

Prevailing rate of income tax shall be deducted from the payment of each running bill for which required certificate shall be issued by the owner.

**3.0 RIGHT TO REJECT BIDS:**

Bank reserves the right to accept or reject any or all the tenders in full or part or to waive any informally, minor deviations and omissions without assigning any reasons, right to reject conditional tenders and also relax any contract condition at its discretion.

**3.1 RIGHT TO ACCEPT:**

Bank is not in any way bound to accept the lowest or any quotation and reserves to itself, the right to accept any or in whole or any part of the quotation or portion of the quantity offered and reserves the right to negotiate with any /all the contractors.

**3.2 RIGHT OF OWNER TO DETERMINATE/ TERMINATE CONTRACT:**

Bank shall at any time be entitled to determinate the contract if in the opinion of the Owner; session of the work becomes necessary owing to paucity of funds or from any other cause whatsoever. The cost of approved materials at the site at the current market rates or original purchase rates whichever is lower as verified and decided by Bank and the value of such work done to date by the contractor shall be paid in such occurrence.

**6.2 DEFECT LIABILITY PERIOD:**

On completion of the work at site as certified by the Architect and the Engineer-in-charge the contractor shall be responsible against the manufactured and installation for the decoration as executed by him for a period of 12 months. He shall rectify any defects pointed by In-charge Officer of the bank & ensure proper performance of the job done by him till such time.

**7.0 EXTRA ITEMS:**

If necessary, the contractor shall execute any other item of work not covered up by the schedule of quantities of item and the working drawings which shall be paid to the contractor as extra item. Rates of such extra items shall be settled on the basis of market rate and decision of Regional Head of Bank and will be final and binding on the recommendation of the Architect. Before execution of such extra item, prior approval of item and rate must be taken by the contractor from the In-charge / Architect.



## SUPLPLEMENTARY CONDITION

### **INDEMNITY BOND**

On the acceptance of this tender, the contractor will be required to execute an Indemnity Bond with-in 10 days of issue of work order in favour of the bank against third party claims, civil or criminal complaints, site mishaps and other accidents or disputes, against any damages, loss or expenses due to or resulting from any negligence or breach of duty on the part of the contractor, his subcontractors or his employees and agents etc., as per the appropriate Indemnity Bond attached.

It will also be covered by labour laws of the Govt of Odisha and Central Govt.

Any other conditions suggested by the Bank may be added subsequently.

**INDEMNITY BOND**

**(On Non judicial Stamp Paper of Rs 200/-)**

KNOW all men by these presents that I /We \_\_\_\_\_ do hereby  
execute indemnity Bond in favour of the Union Bank Of India on this  
\_\_\_\_\_ day of \_\_\_\_\_ 202\_\_.

WHEREAS Union Bank Of India, (address of the office)  
\_\_\_\_\_ have appointed  
\_\_\_\_\_ as the Contractors for their Proposed Union Bank Of India  
Project at  
\_\_\_\_\_

**THIS DEED WITNESS AS FOLLOWS:**

I/We \_\_\_\_\_ hereby  
do indemnify and save harmless Union Bank Of India,  
\_\_\_\_\_ against

1. Any third party claims, civil or criminal complaints/liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising directly/ indirectly out of any mishaps at the site due to faulty work, negligence, faulty construction and/or for violating any law, rules and regulations in force, for the time being while executing/executed works by me/us.
2. Any damages, loss or expenses due to or resulting from any negligence or breach of duty on the part of me/us or my sub contractor's if any, servants or agents.
3. Any claim by an employee of mine/ours or of sub-contractors if any, under the Workmen's Compensation Act and Owners Liability Act, 1939 Contract Labours Act, Minimum Wages ESI Act or any other law, rules and regulations in force for the time being and any Acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons arising out of and in the course of the execution of the contract work and/or arising out of and in the course of employment of any workman/employee.

Any act or omission of mine/ours of sub-contractor's if any, our/their servants or agents which may involve any loss, damage, liability, civil or criminal action.

IN WITNESS WHEREOF THE \_\_\_\_\_  
has set his/their hand on this day of \_\_\_\_\_ 202\_\_.

SIGNED AND DELIVERED BY THE

NAME AND ADDRESS

AFORESAID \_\_\_\_\_

(CONTRACTOR)

IN THE PRESENCE OF WITNESSES:

- 1.
- 2.

(Signature of the Contractor with Seal)

## List of Materials

- |  |   |
|--|---|
| 01. 11 KV (UE) 3 Core, ZLPE                                      | : CCI/INCAB/RETCO.<br>armoured cable (ISI marked).  |
| 02. 11 KV cable termination.                                     | : DOWELLS/USHA/BRECCO/COSMOS  |
| 03. 100/500 KVA, 11/0.433 KV                                     | : OEU/KT PVT. LTD./KEO/ALPHA.<br>DYN-II, ONAN Type cooling.   |
| 04. LT switch board panel.                                       | : L&T / MDS / HAVELLS   |
| 05. Switch fuse/fuse switch units.                               | : L&T / HAVELLS.  |
| 06. Protective Relays.   | : English Electric/GEC/Seimens/L&T.   |
| 07. TV meter with MDI.   | : GEC / AE.   |
| 08. Voltmeter and Ammeter.                                       | : A.E / Equivalent or MDS.  |
| 09. Voltmeter and Ammeter<br>Selector switch.                    | : Kaycee / MDS / L&T.   |
| 10. HRC Fuse.  | : Havell / L&T .  |
| 11. HRC fuse base and carries.                                   | : Havell / L&T.   |
| 12. 1.1KV grade PVC insulated                                    | : Finolex /RR/Anchor/Polycab<br>& sheathed/ insulated<br>aluminium wire and flexible cord (ISI marked). |
| 13. 1.1 KV grade PVC insulat                                     | : Finolex /RR/Anchor/Polycab<br>ed armoured aluminium cable (ISI marked).                               |
| 14. 1.1KV grade PVC insulated<br>copper wire and flexible cords. | : Finolex /RR/Anchor/Polycab  |
| 15. RCCB/ELCB/MCCB.  | : L&T / LEGRAND/ABB/SCHNEIDER   |
| 16. Switch fuse with rewirable                                   | : L&T/ LEGRAND/ HAGGER fuses  |
| 17. Isolator.  | : L&T / LEGRAND/ HAGGER   |
| 18. Changeover Switch.   | : L & T / STANDARD/ ABB/HPL   |
| 19. MCB Distribution Board.                                      | : MDS / L&T/LEGRAND/HAGGER  |
| 20. MCB/MCB type Isolator.                                       | : MDS / L&T/ LEGRAND/HAGGER   |
| 21. 30/32A DP moulded Isolat                                     | : CRABERTEE / LEGRAND-ing switch  |

22. 15/5 Amp switch & plug	: CRABERTEE / LEGRAND socket
23. 15/5Amp modular switch	: MK/LEGRAND/ELLEYS/L&T/WIPRO and socket
24. 15/5 Amp piano key type	: CRABERTEE / LEGRAND switch/flushed type plug socket.
25. Ceiling Rose/Junction	: Precision/Amar/Homelite/Anchor
26. Buzzer/Call Bell.	: Cona / L.K FUGA
27. Electrical fitting fixtures	: USHA / Crompton/ ALMONARD / Bajaj (Ceiling fan/Exhaust Fan/Wall fan )
28. PVC Conduit	: Precision/VIP/Modi/AKG/BEC/Anchor
29. Electrical Lighting fixtures	: Philips / Crompton / Wipro / Bajaj
30. Rg 11/Cat5/Cat6	: Legrand/D'Link/AMP/Comscope
31. Air Conditioners	: Voltas/Carrear/Blue Star
32. Stabilisers	: V-Guard/Microtek

NOTE: Materials mentioned in the drawings as well as in bill of quantities should be BIS standard only unless otherwise mentioned. All materials must receive approval from the Architect before being procured for use on site. If any unspecified materials are found on site at any time, all affected work must be immediately dismantled and re-executed within the scheduled period. Additionally, penalties will be imposed on the bill, and participation in the next five tenders will be suspended.

**BOQ FOR ELECTRICAL WORK OF NISCHINTAKOILI BRANCH & ATM,**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>A. Computer wiring:</b>					
<b>1.0</b> Recessed/ surface conduit wiring in ms conduit pipe with					
	a) 2 x 2.5 mm <sup>2</sup> + 1 x 1.5 mm <sup>2</sup> PVC single wire copper wire from computer DB to computer termination.	Mtr	150		
	b) 2 x 4.0 mm <sup>2</sup> + 1 x 2.5 mm <sup>2</sup> PVC single core copper wire.	Mtr	50		
	c) 2 x 6.0 mm <sup>2</sup> + 1 x 4.0 mm <sup>2</sup> PVC single core copper wire from panel to ups.	Mtr	40		
<b>2.0</b> Supply and installation of set consisting of 5 nos. 5 Amp. 5 pin modular socket and 5 nos. of 5 Amp. Modular switch including modular type switch box (suitable modules) and modular range face plate and inner cover of same make all complete. (3-ups+2-rawpower)					
		Set	10		
<b>3.0</b> Supplying and installation 2 x 16/6 Amp multi pin modular socket with switch including modular metallic (G.I.) mounting box.					
		Set	6		
<b>4.0</b> Supply an installation of chemical earthing of Ashlock or equivalent					
		Set	1		
<b>5.0</b> Providing and laying earthing connecting wire of 6.0 sqmm copper conductor for ups					
		Mtr	10		
<b>Sub-Total ----- A</b>					
<b>B. Telephone network:</b>					
<b>1.0</b> (a) Supply and laying of 2 pair 0.5 mm <sup>2</sup> dia Telephone cable in the existing PVC conduit to be laid in the floor, partition/Wall etc. make NETCO / NATIONAL / DELTON/ FINOLEX.					
		Mtr	120		
(b) Supply and laying of 10 pairs 0.5 mm <sup>2</sup> telephobe cable in the PVC conduit to be laid in the floor, partition/wall etc. make Netco, National, Delton, finolex					
		Mtr	5		
<b>2.0</b> Supply & fixing of Telephone box suitable for RJ 11 terminals including mounting box & top cover to be fixed in concealed manner in partition by providing and fixing on channels with necessary bolts & nuts or as directed at site of approved make					
		Nos	7		
<b>Sub-Total ----- B</b>					
<b>C. A/C, Ceiling Light &amp; Fan wiring:</b>					
<b>1.0</b> Recessed/ surface conduit wiring in ms conduit pipe with					
	a) 2 x 2.5 mm <sup>2</sup> + 1 x 1.5 mm <sup>2</sup> PVC single core copper wire.	Mtr	180		

b) Wiring to light, ceiling fan etc with concealed conduiting & 2 x 1.5 mm <sup>2</sup> + 1 x 1.0 mm <sup>2</sup> PVC single core copper wire in false ceiling.	Mtr	140		
c) Supply and installation of modular type 20Amp A/C starter with 20Amp socket for 1.5/1.0 TR Acs	Set	7		
d) 2 x 6.0 mm <sup>2</sup> + 1 x 4.0 mm <sup>2</sup> PVC 1 core copper wire from panel to A/C	Mtr	120		
<b>2.0</b> a) Light,Wall fan & Ex.fan point wiring through concealed conduit where requires with 2x1.5 Sqmm+1x1.0 Sqmm pvc single core copper wire, modular switches & sockets, modular boxes etc.	Each	54		
b)socket on same board:	Each	10		
<b>3.0</b> Supplying & fixing of Master Switch 63A 4-P MCB with all accessories 1-set including necessary wiring at entrance complete in all respect	Set	1		
			-----	
<b>Sub-Total ----- C</b>			----	
<b>D. Data Wiring:</b>				
<b>1.0</b> Supply of all required material and cat-6 LAN data cable wiring with PVC pipe	Rmt	410		
<b>2.0</b> Supply and fixing of information outlet box suitable for RJ 45 terminals including mounting box (MS/PVC) & top cover, to be fixed in concealed manner in partition by necessary bolts & nuts or as directed at site (Make-D-Link/Equivalent) Single/Dual type.	Set	10		
<b>3.0</b> Supply and installation of 24" patch panel without rack for CAT 6 cables DES 3226 24 port mounting on the wall including all accessories.	Set	1		
<b>4.0</b> Supply of 2.0m/1.0m long patch cord (make – D-Link / Equivalent)				
For 2.0m long	No	10		
For 1.0m long	No	10		
			-----	
<b>Sub-Total ----- D</b>			----	
<b>E. Supply &amp; Fixing of Fittings &amp; Fixtures:</b>				
<b>1.0</b> (a) 36W 2'x2' LED fittings including down rod if requires (Square type) in Armstrong ceiling	Set	6		
(b) 20 w LED patty fittings including down rod	Set	10		
(c) 15W LED circular fittings in ceiling	Set	25		
<b>2.0</b> 1200mm sweep Ceiling Fan	Set	4		
<b>3.0</b> 400mm Wall Fan	Set	14		

4.0 Exhaust Fan	Set	4		
5.0 Angle holder with LED lamp 9W	Set	4		
			----- ----	
<b>Sub-Total ----- E</b>				
<b>F. Supply &amp; Fixing of Distribution Boards &amp; Network Boxes:</b>				
<b>i. Computer &amp; Networking: -</b>				
<b>1.0</b> Supply of all required materials and fixing of Input and Output UPS Box having provision of the following.				
UPS INPUT (single phase 8 way)	Set	1		
Incoming: 1 no. 63 Amp. Isolator 2-pole				
Outgoing: 2 nos. 40 Amp DP MCB				
UPS OUTPUT	Set	1		
Incoming: 1 no. 63 Amp. DP MCB				
Out going: 2 nos. 40 Amp DP MCB				
<b>2.0</b> Supply and installation of				
Computer DB of approved make.	Set	1		
Incoming: 32 Amp. DP MCB – 1 No.				
Out going: 6 Amp SP MCB-7 Nos.				
16 Amp SP MCB – 2 Nos.				
<b>3.0</b> Supply and installation of 24 port switch with all connections and commissioning				
4.0 Supply and installation of suitable size Rack (9U or more) for above switch & patch panel	Set	1		
<b>ii. Electrical: -</b>				
<b>1.0</b> Supply & installation of Light DB of following				
Incoming: 32A DP MCB - 1No Outgoing: 6A SP MCB - 10 No16 Amp 16A SP MCB – 2 No	Set	1		
<b>2.0</b> Supply and installation of following in Main Panel Board of approved make				
Incoming:				
125Amp SDF with HRC 1 no				
Equipment: RYB LED indicators 6 no				
150 Amp copper bus-bar 4 no				
VAF digital meter 1 no				
A50/5 Amp CT 3 no				
Outgoing:				
63 Amp change over 1 no				
32 Amp DP mcb 10 KA 12 no				
Extra 63 Amp copper bus-bar 4 no				
63A DP mcb 2no, 40 A mcb 10KA 4 no				
<b>3.0</b> Supply and installation of following for inverter wiring in approved make Recessed/ surface conduit wiring in ms/pvc conduit pipe with necessary 1.5 mm2/2.5 mm2/4 mm2/6 mm2 PVC single wire copper wire and all connections complete in all respect (from MPB to UPS room)				
	LS	1		
			----- ----	
<b>Sub-Total ----- F (i+ii)</b>				
<b>Note: all items will be done as per drawing/specifications of tender or BIS or CPWD/ BOQ/ and as per direction of Bank/Architect</b>				
			----- ----	
<b>SUB-TOTAL</b>				
<b>GST @ 18%</b>				

			----- ----	
<b>TOTAL</b>				
=====				
<b>ELECTRICAL, DATA CABLING &amp; AC WORK – ATM:-</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>		<b>QTY</b>	<b>AMOUNT</b>
<b>A. Computer wiring:</b>				
<b>1.0</b> Recessed/ surface conduit wiring in ms conduit pipe with				
a) 2 x 2.5 mm2 + 1 x 1.5 mm2 PVC single wire copper wire from computer DB to computer termination.	Mtr	20		
b) 2 x 4.0 mm2 + 1 x 2.5 mm2 PVC single core copper wire.	Mtr	10		
c) 2 x 6.0 mm2 + 1 x 4.0 mm2 PVC single core copper wire from panel to ups.	Mtr	20		
<b>2.0</b> Supply and installation of set consisting of 5 nos. 5 Amp. 5 pin modular socket and 5 nos. of 5 Amp. Modular switch including modular type switch box (suitable modules) and modular range face plate and inner cover of same make all complete. (3-ups+2-rawpower)	Set	2		
<b>3.0</b> Supplying and installation 2 x 16/6 Amp multi pin modular socket with switch including modular metallic (G.I.) mounting box.	Set	2		
<b>4.0</b> Supply an installation of chemical earthing of Ashlock or equivalent	Set	1		
<b>5.0</b> Providing and laying earthing connecting wire of 6.0 sqmm copper conductor for ups	Mtr	5		
			----- ----	
<b>Sub-Total ----- A</b>				
<b>B. A/C, Ceiling Light &amp; Fan wiring:</b>				
<b>1.0</b> Recessed/ surface conduit wiring in ms conduit pipe with				
a) 2 x 2.5 mm2 + 1 x 1.5 mm2 PVC single core copper wire.	Mtr	10		
b) Supply and installation of modular type 20Amp A/C starter with 20Amp socket for 1.5/1.0 TR AcS	Set	2		
c) 2 x 6.0 mm2 + 1 x 4.0 mm2 PVC 1 core copper wire from panel to A/C	Mtr	10		
			----- ----	
<b>Sub-Total ----- B</b>				
<b>C. Data Wiring:</b>				
<b>1.0</b> Supply of all required material and cat-6 LAN data cable wiring with PVC pipe	Rmt	40		
<b>2.0</b> Supply and fixing of information outlet box suitable for RJ 45 terminals including mounting box (MS/PVC) & top cover, to be fixed in concealed manner in partition by necessary bolts & nuts or as directed at site (Make-D-Link/Equivalent) Single/Dual type.	Set	2		



<b>3.0</b> Supply of 2.0m/1.0m long patch cord (make – D-Link / Equivalent)				
For 2.0m long	No	2		
			----- ----	
<b>Sub-Total ----- C</b>				
<b>D. Supply &amp; Fixing of Fittings &amp; Fixtures:</b>				
<b>1.0</b> 15W LED circular fittings in ceiling	Set	5		
<b>2.0</b> 400mm Wall Fan	Set	1		
			----- ----	
<b>Sub-Total ----- D</b>				
<b>E. Supply &amp; Fixing of Distribution Boards &amp; Network Boxes:</b>				
<b>i. Computer &amp; Networking: -</b>				
<b>1.0</b> Supply of all required materials and fixing of Input and Output UPS Box having provision of the following.				
UPS INPUT (single phase 8 way)	Set	1		
Incoming: 1 no. 63 Amp. Isolator 2-pole				
Outgoing: 2 nos. 40 Amp DP MCB				
UPS OUTPUT	Set	1		
Incoming: 1 no. 63 Amp. DP MCB				
Out going: 2 nos. 40 Amp DP MCB				
<b>ii. Electrical: -</b>				
<b>1.0</b> Supply and installation of following for inverter wiring in approved make Recessed/ surface conduit wiring in ms/pvc conduit pipe with necessary 1.5 mm <sup>2</sup> /2.5 mm <sup>2</sup> /4 mm <sup>2</sup> /6 mm <sup>2</sup> PVC single wire copper wire and all connections complete in all respect (from MPB to UPS room)	LS	1		
			----- ----	
<b>Sub-Total ----- E (i+ii)</b>				
<b>Note: all items will be done as per drawing/specifications of tender or BIS or CPWD/ BOQ/ and as per direction of Bank/Architect</b>				
			----- ----	
<b>SUB-TOTAL</b>				
<b>GST @ 18%</b>				
<b>TOTAL</b>				
			----- ----	
<b>GRAND TOTAL</b>				





