

इंडियन बैंक



Indian Bank

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ALLAHABAD

INDIAN BANK  
ZONAL OFFICE KOLKATA CENTRAL

**NOTICE INVITING TENDER FROM BANK'S EMPANELLED CONTRACTORS**

Indian Bank, Zonal Office Kolkata Central invites sealed tenders in the prescribed format on item rate basis (financial) **from the Bank's empanelled contractors** for proposed Electrical (including fittings) and Data Cabling Works in the New Premises of Harish Mukherjee Road Branch, at 1st floor of 32A, Kalighat Road, Kolkata 25..

Full details and Tender documents may be downloaded from Banks web site [www.indianbank.co.in](http://www.indianbank.co.in) or may be obtained from Premises & Expenditure Department, Zonal Office Kolkata Central, 5<sup>th</sup> Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106, West Bengal, as per following programme.

1	Name of work	Electrical (including fittings) and Data Cabling Work in the New Premises of Harish Mukherjee Road Branch, Kolkata-4.
3	Period of completion	30 days to be reckoned from 5 <sup>TH</sup> day from the date of issue of the Work Order or handing over of site whichever is later.
4	Validity of Tender/ Quotation	90 Days from the date of opening
5	Defects Liability Period	12 Months from the date of virtual completion of work
6	Application Fee	Rs.500/-
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 Bid Amount (ISD – 2% & RM – 8%) 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	Payment terms	Payment will be made on satisfactory completion of the job on the basis of actual measurements. Income tax will be deducted as per the rules. Retention money 8% will be deducted from the bill and to be released after 12 months from the date of virtual completion provided no defects is observed during this period.
12	Documents to be attached with the Bill	Managers Completion Certificate, Manufacture Certification, Bills & Photographs showing completion status of work.



13	Liquidated Damages	1% per week of the Contract Value subject to maximum total of <b>10%</b> of final Contract value
14	Eligibility	<b>BANK'S EMPANELLED CONTRACTORS</b>
15	Tender Documents	Tender documents can be obtained from Indian Bank, Zonal Office, Kolkata Central, Premises Department, 5 <sup>th</sup> Floor, 377&378 GD Block, Sector-III, Salt Lake, Kolkata-700106, from 02/02/2024 to 16/02/2024 upto 5 pm on all working days during office hours and / or <b>can be downloaded from the Bank's website (www.indianbank.in ) under Tenders column.</b>
16	Last date of submission of tenders / quotation	16/02/2024 upto 5 pm at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata-1, 5 <sup>th</sup> Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106.
17	Date of opening Tender	17/02/2024 at 11 am at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata Central, 5 <sup>th</sup> Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106.
18	Terms and conditions	As per Technical Bid part - B

Note:

4. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tender without assigning any reason whatsoever. Late / delayed tender shall not be accepted after due date and time of submission of tender.
5. The rates quoted by the tenderer shall be based only on the specifications and conditions of the tender documents.
6. Bank is not liable to make any payment to tenderers for preparation to submit the tender/bid/quotation.

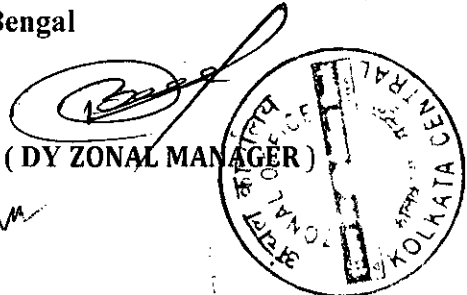
**Tenders Documents: -**  
**A) Technical Part-A + Part B + Application Fee**  
**B) Financial bid: Schedule of Quantity**

The duly filled in offer completed in all respect **in sealed cover marked "Financial Bid" and superscribing "ELECTRICAL (including fittings) and DATA CABLING" Works etc. at new premises of Harish Mukherjee Road Branch** on top and name, address, contact no. & e-mail id of the vendor at bottom left corner should be addressed to

**The Zonal Manager**  
**Indian Bank, Zonal Office: Kolkata Central, 5<sup>th</sup> Floor, 377&378 GD Block, Sector-III,**  
**Salt Lake, Kolkata-700106, West Bengal**

Date: 02/02/2024  
Place: Kolkata

(DY ZONAL MANAGER)



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Indian Bank

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**PREMISES DEPARTMENT, ZONAL OFFICE KOLKATA CENTRAL**

TENDER DOCUMENT FOR BANK'S EMPANELLED CONTRACTORS FOR  
ELECTRICAL & DATA CABLING WORKS IN THE NEW PREMISES OF  
INDIAN BANK, HARISH MUKHERJEE ROAD, KOLKATA

Ref:No: ZOKOL CENTRAL: PRM: TENDER:2022-23: 06

Date: 01.02.2024

Issued to:

M/S. ....  
ADDRESS .....  
CONTACT.....  
E-MAIL: .....

Last date of submission of Tender	16/02/2024 upto 17:00 HRS at Indian Bank, Zonal Office, Kolkata Central, Premises Department, 5 <sup>th</sup> Floor, 377&378 GD Block, Sector-III, Salt Lake, Kolkata -700106
Date of opening Tender	17/02/2024 at 11:00 HRS at Indian Bank, Zonal Office, Kolkata-Central, Premises Department, 5 <sup>th</sup> Floor, 377&378 GD Block, Sector-II, Salt Lake, Kolkata -700106
Cost Of Tender	Rs.500/-.

**CONSULTANT:**

**M/s. Design Group**

Architecture .Interior. Engineering. QAQC

CE/1/A/47, CE Blk, New Town, Kolkata 700156

(M):9432356077

**FORM OF TENDER**

**Technical part - A**

Indian Bank  
Zonal Office Kolkata Central  
Premises Department  
5<sup>th</sup> Floor, 377&378 GD Block,  
Sector-III, Salt Lake, ,  
Kolkata-700106,  
Dear Sir,

**SUB: Invitation of Tender for**  
**ELECTRICAL (INCLUDING FITTINGS) AND DATA CABLING Work**  
**in the new Premises of Harish Mukherjee Road Branch, Kolkata**

I /we, being empanelled contractors of the Bank and having examined the drawings, specifications, conditions and schedule of quantities prepared by you, and satisfying ourselves as to the location of the site and working conditions, I/We hereby offer to execute the above works at the respective rates which I/We have quoted for the items in the Schedule of Quantities.

I/We herewith deposit **Rs.500 /- (Rupees Five Hundred Only)** by crossed demand draft payable at KOLKATA and drawn in favour of "Indian Bank" as Application Money for the due execution of the works at my/our tendered, together with any variations should the work be awarded to me/us.

In the event of this tender being accepted, I/We agree to enter into and execute the necessary contract required by you. I/We do hereby bind myself/ourselves to Deposit 2% of the work order as ISD (initial security deposit), if selected. The amount will be forfeited in the event of our refusal or delay in signing the Contract Agreement. I/We further agree to complete the work within the stipulated time specified in the Appendix to General Conditions of Contract.

The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tender without assigning any reason whatsoever.

I/We agree to keep our tender open for **90 (Ninety) days** from the date of opening of Envelope No.1.

I/We enclose the completed tender documents duly signed under sealed envelopes and the Application Money of Rs.500/- (Rupees Five Hundred only) by Bank Draft No. .... dated ..... Issued by .....

Thanking you,

Yours faithfully,

[To be signed by the Authorized Representative of  
Tenderer who has the Power to do so]

Place:  
Date :

Witness    Signature:  
                 Name:  
                 Address:  
                 Seal:

## **FORM OF TENDER**

### **Technical Part B**

#### **Electrical Works, Fittings and Data Cabling Works etc. at the new premises of Harish Mukherjee Road Branch at 5, Bhupen Bose Avenue, Kolkata -700004**

### **TERMS AND CONDITIONS**

1. The Contractor is advised to inspect and examine the sites and satisfy himself as to the condition prevailing at sites and its surrounding extent of work, scope and conditions under which the work is to be executed. The contractor shall also satisfy himself about the accessibility to the premises.
2. **The rate quoted in the tenders shall be inclusive of all materials as required.**
3. **Work will be completed within the period of 30 days from the work order whichever is earlier. If the work be not completed to the satisfaction of employer within the stipulated period, the contractor will be bound to pay to Indian Bank a sum equivalent to Rs. 2000/- per day subject to ceiling of 10% of the accepted contract amount by way of liquidated damages and not as penalty during which the work remains un commenced or unfinished after expiry of the completion date.**
4. Contractors are required to submit time schedule of work. After completion of work, cleaning of floors, walls and the site shall be cleared of all rubbish in all respect. All holes shall be filled up and finished as per existing finishes.
5. The tenderer must obtain for himself on his own responsibility and at his own expenses all the information's which may be necessary for the purpose of filling this tender and for entering into a contract for the execution of the same and must examine the drawings and inspect the site of the work and acquaint himself with local conditions and matters pertaining thereto, nature and requirements of the work facilities of transport condition, access and storage of material. The tenderer shall provide in their tender the cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc. for proper execution of the work as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the architects might have deemed to have reasonably been inferred to be so existing before commencement of work.
6. Each of the tender documents is required to be signed by the person or persons submitting the tender in token of his having acquainted himself with all the conditions/ specifications as may be laid down. Any tender with any such document / paper not signed or with details marked as applied for shall be out rightly rejected. It will be obligatory on the part of tenderers to sign on all the pages of the tender. Conditional tenders shall be rejected. If any of the documents are missing or unsigned the tender shall be considered as invalid also rates not filled up in any item or marked as actual plus percentages shall make the tender as invalid and shall be rejected.
7. The tender form must be typed/written in ink and not by the pencil. The tenderer shall not make any correction/alteration on these documents. Over writing of figures is not permitted. Failure to comply with either of these conditions will render the tender void. No advice or any change in rates or conditions after submission of the tender will be entertained.
8. **Security deposit equivalent to 10% from each running bill shall be deducted and shall be returned after expiry of defect liability period of 12 months from the date of virtual completion as certified by the architect, provided to the satisfaction to the Bank.**
9. All compensation or other sums of money payable by the contractor to Indian Bank under the terms of this contract may be deducted from the security deposit or from any other sum that may be or may become due to the contractor on any account whatsoever and in the event of the security deposit being reduced by reason of

such deductions the contractor shall within 7 days of being asked to do so make good in cash or cheque any sum or sums which may have been deducted from his security deposit.

10. In case where the same item of work is mentioned at more than one place in the schedule of quantities the lowest of the rates quoted by the contractor shall be taken into account for payment of the item.
11. The rates quoted shall be firm and shall include all costs, charges, freight, allowances, taxes, levies, taxes, royalties etc. as applicable. **GST should be mentioned separately. Taxes like TDS etc. shall be deducted from the bill(s) of the contractor as per prevailing rates.** In case of any exemption claimed in this regard the contractor shall submit requisite certificates from the respective departments to Indian Bank in advance.
12. Any damage done to the property of Indian Bank during execution of work shall be the responsibility of the contractor and it shall be made good by him at his cost to the entire satisfaction of consulting architect/ Indian Bank. The architect & engineer shall have full powers to get the material or workmanship etc. inspected and tested by an independent agency for its soundness and adequacy at the cost of contractor. Prior approval of brand and material of ISI make as per the general material specifications is sole discretion of engineer in-charge binding upon the contractor.
13. **The quantities contained in the schedule are approximate only.**
14. No advance shall be released to the contractors at the start of work. Only one running payment shall be made to the contractor as per the work progress after verification of running bill by the architect/ Bank. Tender shall be valid for a period of 3 months from the due date of its submission. **However, Indian Bank is not bound to accept the lowest or any tender and reserves the right to accept or reject any or all tenders either in whole or in part, without assigning any reason for the same. Conditional tenders are not acceptable and shall be summarily rejected. Further, no communication in this regard will be entertained.**
15. All items of work mentioned in the schedule of quantities are to be deemed and paid as completed works in all respects and details including preparatory and finishing works involved directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charge will be allowed in this connection. In the case of lump sum charges in the tender in respect of any item of works, the payment of such items of work will be made for actual work done on the basis of lump sum charges as will be assessed to be payable by Indian Bank/ Architect.
16. The tenderer should note that the tender is strictly on item rate basis and their attention is drawn on the fact that the rates for each and every item should be correct, workable and self-supporting and based on the specification schedule submitted herewith. Financial bids marked as percentages above or below the PWD BSR / CPWD BSR or any such other instrument would be summarily rejected. If called upon by Bank/ Architects detailed analysis of any or all the rates will have to be submitted. The Architects / Bank is not bound to recognize the contractor's analysis.
17. All designated material samples will be tested and inspected at contractor's expense if desired by the Bank at designated laboratories.
18. The contractor shall conform to the provision of all local byelaws and acts relating to the work and to the regulations etc. of the government and local authorities and of any company with whose system the building is supposed to be constructed. The contractor shall give all the notices required by the said act, rules and regulation and byelaws etc. and pay all charges/ fees payable to such authorities for execution of the work involved. The cost if any shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses, fees for footpath encroachment, restoration etc. and shall indemnify the employer against such liabilities and shall defend all actions arising from such claims of liabilities.
19. For any further drawings/ details/ clarifications please have an advice through the Bank.

20. Bank reserves the right to cancel all or any of the tenders and can change / drop/ reduce the quantities/ items mentioned in the schedule at any time, before placing of the order or even during execution. The decision of the Zonal Manager in all matters pertaining to the work execution shall be final and binding.
21. Prior approval to be obtained in writing from project architect/ bank if any change made in the design/ execution of works.
22. Final bill will not be processed until rectification of defects pointed out by the project architect/ bank is carried out by the contractor.
23. All taxes and duties including sales Tax, E.S.I. charges etc. as applicable, Central or Octroi, Royalties, Interstate transportation etc. on works and materials required for use in this project shall be entirely borne & payable by the contractor. The Employer will not entertain any claim whatsoever in this respect. The rates shall be firm and shall not be subject to cost escalation of labour and material and exchange variations, labour conditions and other conditions whatsoever.
24. Certified photocopies of – GSTIN, PAN Card, (exemption if any) shall need to be submitted along with all bills for issue of payment.
25. After opening the envelope containing the offer on the standardized conditions and opening of the priced tender, no correspondence will be entertained.
26. Incomplete tenders shall be rejected and no further communication in this regard will be entertained.
27. Indian Bank has the right to accept / reject any or all tenders without assigning any reasons whatsoever.
28. The tenders shall remain open for acceptance by the bank for a period of 90 days from the date of opening of the second cover containing the priced tender.
29. The tenderer must use only the Tender forms / documents issued by the bank. If given space falls short for furnishing the information's, separate sheets may be added duly signed by the contractors.
30. Each page of the tender document must be signed by the contractor.
31. The Tender submitted on behalf of a Firm shall be signed by all the Partners of the Firm or by a Partner who has the necessary authority on behalf of the Firm to enter into the proposed contract otherwise the Tender may be rejected by the Owners.
32. The Contractor shall not assign the contract. He shall not sublet any portion of the Contract except with the written consent of the bank. In case of breach of these conditions, the bank may cause the Architect to serve a notice in writing on the Contractor rescinding the Contract where upon the Security Deposit shall stand forfeited to the bank, without prejudice to his other remedies against the Contractor.
33. The Contractor shall carry out all the work strictly in accordance with Drawings, details and instructions of the Architect/Bank. If changes have to be made in the design. The same will be done with the prior approval in writing of the bank/ Architect. Contractor shall carry out the same without any extra charge. The Bank's decision in such cases shall be final and shall not be open to arbitration.
34. A Schedule of Probable Quantities in respect of each work and specifications accompany these special conditions. The schedule of Probable Quantities is liable to alteration by omissions, deductions or additions at the discretion of the Architect. Each Tender should contain not only the rates but also the value of each item of work entered in a separate column and all the items should be totalled in order to show the aggregate value of the entire Tender.

35. The Tenderer must obtain for himself on his own and at his own expenses all the information which may be necessary for the purpose of making a Tender and for entering into a Contract and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters appertaining there to.
36. The successful tenderer should make his own arrangements to store all the materials required for the work. No advance against materials purchased and brought at site will be made. The contractor will have to keep the materials at site under their safe custody and at their risk and cost. The Bank/ Owners of premises are not responsible for damages and losses of such materials brought at site.
37. Contractors are requested to note that no extra item of deviated item of work to be executed without taking prior permission from Bank/Architects, if the extra item of deviated item of work is executed without taking prior permission, Bank shall not be held responsible for the payment of such works executed.
38. Work should be executed only at the site under the supervision of a competent supervisor with strict quality control & workmanship Bank/ Architects may inspect the work during its execution at site.
39. No deviation in the specification and make would be acceptable.
40. All furniture such as counters, tables, etc. shall be computer compatible and shall have key board tray, CPU stand, etc.
41. The names of partners of the contractor's firm to be mentioned below :
- (i)
  - (ii)
  - (iii)
- Name of the partner of the firm authorized to sign Or Name of person having Power of Attorney to sign the Contract.  
(Certified true copy of the Power of attorney should be attached)
42. The contractors are advised to inspect the drawings available with the Bank before submitting the Tender.
43. I/We are the empanelled Bank's contractors / firms. (letter enclosed)
44. There must be submission of "Single Line Diagram" for electric works and "As built" drawings in original (3 sets) should be a mandatory criteria before releasing final payments to contractor.

I / We hereby declare that I / We have read and understood the above instructions for the guidance of Tenderers.

Date:

Place:

Signature, Seal and address of Contractor



**PART – C**  
**SCHEDULE OF ITEMS ELECTRICAL WORK – Indian Bank, Harish Mukherjee**  
**Rd Branch, Kolkata.**

SL no	Item	Unit	Qty	Rate	Amount
1. a)	Supplying at site Philips RC380B LED36S-6500 G4 L60 W60 PSD OD square fitting all-inclusive complete set for installation, colour 'Cool' or equivalent of other approved companies in false ceiling.	Nos.	15		
b)	Installation and commissioning of the above in false ceiling.	Nos.	15		
2. a)	Supplying at site Philips DN194B LED16S-6500 PSU WH S2 downlight all-inclusive complete set for installation, colour 'Cool' or equivalent of other approved companies in false ceiling.	Nos.	18		
b)	Installation and commissioning of the above in false ceiling.	Nos.	18		
3. a)	Supplying at site Philips BN 021 LED25S 6500 PSU GR S1 Batten all inclusive complete set for installation, colour 'Cool' or equivalent of other approved companies	Nos.	8		
b)	Installation and commissioning of the above in false ceiling/wall.	Nos.	8		
4	Supplying of single phase 230 volt. AC exhaust fan of 9" sweep and installation of the same on wall after making the required opening, mending good the damages done , including providing connection for commissioning .(Crompton, Usha, Havells make) Also supplying and fixing of matching aluminum louver shutter on outer wall with necessary bolts and nuts etc as required.	Nos	3		
5.	Supply and laying testing & commissioning of 70 sq mm. 4 core 1100V grade PVC insulated aluminium armoured cable with necessary running copper earth wire, shall be laid outdoor and indoor. The rate shall include excavation of cable trenches for outdoor laying, providing protection bricks above and below the cables in underground trenches, filling sand, making civil damages good, providing clamps, supports in wall, floor, ceiling & connecting properly such as glanding, termination, connection of cables including supply and fitting of glands lugs, ferrules, drilling, taping, of gland plate, connection to terminals, providing tapes, marking, ferruling, dressing protection pipe, glands etc. as required as per standard practice providing all material etc as required.				
	a) laying outside	R ft	60		
	b) laying inside by socketing & clamping	R ft	77		
6.	Conceal wiring from main DB to UPS etc. by copper armored cable 10 sq.mm. 4 core with necessary socketing and clamping wall, floor, ceiling with necessary running				

	copper earth wire & connecting properly such as above.	R ft.	80		
7.	Conceal wiring from main to sub DB etc. by copper armored cable 16 sq.mm. 2 core with necessary socketing and clamping wall, floor, ceiling with necessary running copper earth wire & connecting properly such as above.	R ft	435		
8.	Concealed point wiring for AC etc. by 2x6 Sq mm ( 84 / 0.3 ) and 1x2.5 Sq mm ( 36 / 0.25 ) copper wire with necessary PVC conduit with necessary bent, tee, angle properly fitting fixing at wall , floor, ceiling and connecting as per standard practice.	R ft	25		
9.	Concealed point wiring for AC etc. by 2x4 Sq mm ( 56 / 0.3 ) and 1x1.5 Sq mm ( 30 / 0.25 ) copper wire with necessary PVC conduit with necessary bent, tee, angle properly fitting fixing at wall , floor, ceiling and connecting as per standard practice.	R ft	840		
10.	Concealed point wiring for 16 amps power points, sub DB to switch boards etc. by 2x2.5 Sq mm ( 50 / 0.25 ) and 1x1 Sq mm ( 32 / 0.20 ) copper wire with necessary PVC conduit with necessary bent, tee, angle properly fitting fixing at wall , floor, ceiling and connecting as per standard practice.	R ft	685		
11.	Concealed point wiring for lights, fans, 6amps power points (both raw & ups ) etc. by 2x1.5 Sq mm ( 30 / 0.25 ) and 1x1 Sq mm ( 32 / 0.20 ) for earthing in PVC conduits with necessary bent, tee, angle properly fitting fixing at wall, floor, ceiling and connecting as per standard practice including providing modular switches ( 2 squire fitting, 3to4 spotlight, 1to4 single tube as feasible, 3 nos 6amps ups / raw points per working top in loop formation per circuit are required to be made and to be considered per point ) to the satisfaction of Architect.	Nos.	63		
12.	Providing and fixing TPN main switch ( SDF) with box and cover full complete set, front handle including HRC fuse all as required including glandboxes etc (LT, MDS, Siemens make) properly fitted by MS channel and connecting as per standard practice. a) 125 amp.	Nos.	2		
13.	Bus bar distribution panel-supply fixing and testing of copper accepted standard sheet steel enclosure (dust protected) Panel box of suitable size with LED phase indicating lamps for T.P. distribution board of 440 volt. 50 Hz., 125amp. Supply as is necessary as per standard practice to the satisfaction of Architect/ Official.	Nos.	1		
14.	Providing and placing in position 3 phase main distribution box having 6 nos S.P. MCB of upto 40Amps/ as reqd each including 1nos 4 pole 100amps isolator of approved make with Acrylic cover on top properly fitted by cutting wall and mending good of damage portion connecting as per standard practice.	Nos.	2		

15.	Providing and placing in position sub distribution box (8+2 )-way with 6 / 10 / 16 / 20 / 32 Amps S.P. MCB as is required & 63Amps isolator of approved make with Acrylic cover on top properly fitted by cutting wall and mending good of damage portion connecting as per standard practice.	Nos.	6		
16.	Providing and placing in position 16 amp. 6-pin modular socket with separate switch including GI box, covers plate etc., fitting properly by cutting wall and mending good the damage portion and connecting properly as per standard practice.	Nos.	6		
17.	Providing and placing in position 6 amp. 5-pin modular socket with separate switch including GI box, cover plate etc. fitting properly by cutting wall and mending good the damage portion and connecting properly as per standard practice.	Nos.	46		
18.	Providing and placing in position four pole change over switch for generator of 100 amps on load, front handle fitting properly by cutting wall and mending good the damage portion and connecting properly as per standard practice.	Nos.	1		
19.a)	Earthing Providing, making, testing & connecting Earthing Pit as per following details: Earth pit 10'0" deep with 600x600x3mm copper plate filled with charcoal and salt mixture, with copper strip 25x3mm in 1.5" dia GI pipe to be filled with bitumen with holes and funnel for watering, connected with copper bolts to the plate. The item includes making brick masonry chamber on top with CI cover complete.	Job	2		
b)	Providing and fixing copper strip 25x3mm from earth pit to the mains panel and to the UPS DB. Including clamping to wall, ceiling including making openings wherever required and repairing the same afterwards complete. (earth resistivity should be less than 1 ohm )	Rft.	120		
20.	Supply, fitting and fixing 16" sweep standard oscillating wall mounted heavy duty fan with speed control.	Nos.	10		
21.	Supply fitting fixing of 32amp phase with neutral and earth point, metal clad plug socket with 32 amp MCB and neutral link in MS box all complete.	Nos	6		
22.	Providing and placing in position DP change over switch of 32amps on load, front handle fitting properly by cutting wall and mending good the damage portion and connecting properly as per standard practice.	Nos	2		
23.	Supply, fitting, fixing, of modular telephone information outlet with box, face plate all complete along with supply, laying, fixing, pairing, termination and commissioning of 0.51 mm, two pair telephone wire as				

24.	<p>per DOT specification through PVC pipe above false ceiling and partly concealed in wall, column / floor by cutting chase as required and mending good damages. (From telephone operator to each table indicated at the drawing /direction )</p> <p>Providing and placing in position modular Starter – AC power unit with short circuit protection in sheet steel enclosure with relay range from 11 to 18 to 25amps as required it is to also include matching plug &amp; socket in compact set. Fitting properly by cutting wall and mending well the damage portion and connecting properly as per standard practice.</p>	Nos	5		
		Sft	8		

**PART – D**  
**SCHEDULE OF ITEMS FOR LAN – Indian Bank, Harish Mukherjee Rd Branch,**  
**Kolkata.**

SL no	Item	Unit	Qty	Rate	Amount
1.	Supply, installation and commissioning of CAT 6 Information Outlet RJ-45 with surface mount box and face plate all complete. Make: D-Link, same as of switches along with supply, laying and commissioning of CAT 6 ( 4 pair ) UTP PVC insulated Cu – DATA cable in PVC rigid pipe above false ceiling and partly concealed in column / Floor by cutting chase as required and mending good damages. ( From LAN HUB to each computer work station indicated at the drawing ) Make: AVAYA, D-Link.	Nos	9		
2.	Supply, installation and commissioning of CAT 6 Mounting Cord . Make: AVAYA, D-Link, a) Length 2 mtr b) Length 1 mtr	Nos Nos	9 9		
3	Reinstallation of existing Patch Max Panel, Switch, Rack etc in new position, complete & operational in all respects.	Job	1		
	<i>Standard Contingency 5% to be taken into account. G.S.T. as applicable</i>				

## **MATERIAL SPECIFICATIONS**

- |   |  |
|---|--|
| 1. Cement   | : Lafarge, Ambuja, Ultratech.  |
| 2. Reinforcement steel                                | : TATA, SRMB others as per IS code   |
| 3. Teak Wood T.W                                      | : Seasoned Teak wood as approved by the Architect.   |
| 4. Plywood BWR grade                                  | : Greenply, Sylvan, Globe, Century.  |
| 5. Laminates  | : Greenlam, Royal Crown, Century Mica, Intim Lam.  |
| 6. Adhesive   | : Fevicol, Vamicol   |
| 7. Gypsum plaster Board                               | : India Gypsum. or equivalent  |
| 8. Flooring<br>Kajaria, Somany.                       | : Bell Granito, Rak, Johnson, Naveen, Varmora,   |
| 9. Door closer  | : Garnish, Opel, Enox.   |
| 10. Lock  | : Godrej or equivalent   |
| 11. Hardware fittings                                 | : Ebco, Enox, Haflee.  |
| 12. Latex Cavity Rubber                               | : As approved by the Architect.  |
| 13. Fome Rubber                                       | : As approved by the Architect.  |
| 14. Tapestry  | : Classic Fabric CF 125 Checks or<br>As approved by Architect. ( Basic rate 250/- per r.m) |
| 15. Vertical Blinds                                   | : Classic, Vista, Mac or equivalent.   |
| 16. Glass Panes<br>mirror or equivalent.              | : Asahi, Saint Gobain Float Glass and float glass  |
| 17. Light/ fixture ( Electrical)                      | : Crompton, Wipro, Philips.  |
| 18. Fan- Wall, Ceiling, Exhaust                       | : Crompton, Havells or equiv.  |
| 19. Aluminium Section                                 | : Jindal, Indal or equivalent sections.  |
| 20. Porcelain Sanitary ware                           | : Hindware, Cera, Parryware  |
| 21. C P Fittings                                      | : Ess Ess, Marc, Jaguar.   |
| 22. W.C. Seat cover                                   | : Hindware, Cera, Parryware or equivalent.   |
| 23. G.I. pipes  | : Tata tubes, Bansal Utkarsh or as approved  |
| 24. PVC pipes   | : Supreme, Ashirbad or as approved   |
| 25. Paints- Super Acrylic Emulsion                    | : Nerolac, Asian, ICI, Berger.   |
| 26. Main Switch                                       | : L & T, Seimens, ABB make or equivalent   |
| 27. Armoured Cable                                    | : Fort Gloster, Nicco, CCI   |
| 28. MCB Distribution Boards                           | : MDS Legrand, ABB, Siemens, or equivalent.  |
| 29. MCB   | : MDS Legrand, ABB, Siemens, or equivalent.  |
| 30. Switches etc.                                     | : Crabtree Athena, Anchor Roma Viola or equiv.   |
| 31. Copper wire- FRLS-HF PVC insulated                | : Finolex, Havells, Polycab or equivalent.   |
| 32. PVC rigid pipe, IS 9537 min 2mm thk.& accessories | : Precision make or equivalent.  |
| 33. C/O Switch 4P on load                             | : L&T, ABB, Havell's or equiv.   |
| 34. Starter with Socket for A/C                       | : Northwest, Havells Crabtree or equiv.  |
| 35. DB fuses  | : L & T, Siemens, English Electric.  |
| 36. Computer Cable                                    | : AT&T, Finolex.   |
| 37. Telephone wires                                   | : Delton / EMI.  |
| 38. Portable Fire Extinguishers                       | : Deflame, Minimax, Fire Shild, Sunex.   |
| 39. Fire alarm panel<br>with ERTL approved.           | : Elmec Control, Electroquip, Agni or equivalent   |
| 40. Battery- Fire alarm panel                         | : Exide or equivalent.   |
| 41. Ionization / Optical / Heat Detector              | : System sensor, Funwell, USA/Apollo,<br>UK/equivalent make with international approved.   |
| 42. MCP/Hooter  | : Reputed make.  |
| 43. Air Conditioners (3star rating and above)         | : Carrier, Voltas, Hitachi, Panasonic, Blue Star,<br>Daikin                                |

Note: In the event of materials of the above approved make are not readily available equivalent ISI make materials are to be used. Prior approval is required to be obtained from the Architect / Client for using material of any other equivalent makes; Contractor would be liable to take away articles and make fresh ones at his own risk and cost using materials not approved by the Architect.