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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 existing Premises of GLT Road Branch, at 123/4/1, Gopal Lal Thakur Road, Kolkata 700035.

Full details and Tender documents may be downloaded from Banks web site www.indianbank.co.in or may be obtained from Premises & Expenditure Department, Zonal Office Kolkata Central, 5th 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 existing Premises of GLT Road Branch, KOLKATA.
3	Period of completion	30 days to be reckoned from 5 TH 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 10% of final Contract value
14	Eligibility	BANK'S EMPANELLED CONTRACTORS
15	Tender Documents	Tender documents can be obtained from Indian Bank, Zonal Office, Kolkata Central, Premises Department, 5 th Floor,

		377&378 GD Block, Sector-III, Salt Lake, Kolkata-700106, from 17/02/2023 to 03/03/2023 upto 5 pm on all working days during office hours and / or can be downloaded from the Bank's website (www.indianbank.in) under Tenders column.
16	Last date of submission of tenders / quotation	03/03/2023 upto 5 pm at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata-1, 5 th Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106.
17	Date of opening Tender	09/03/2023 at 11 am at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata Central, 5 th Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106.
18	Terms and conditions	As per Technical Bid part – B

Note:

1. 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.
2. The rates quoted by the tenderer shall be based only on the specifications and conditions of the tender documents.
3. Bank is not liable to make any payment to tenderers for preparation to submit the tender/bid/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 Existing premises of GLT 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, 5th Floor, 377&378 GD Block, Sector-III, Salt Lake, , Kolkata-700106, West Bengal

Date: 17/02/2023

Place: Kolkata

(DY ZONAL MANAGER)

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PREMISES DEPARTMENT, ZONAL OFFICE KOLKATA CENTRAL

**TENDER DOCUMENT FOR BANK'S EMPANELLED CONTRACTORS
FOR ELECTRICAL & DATA CABLING WORKS IN THE EXISTING
PREMISES OF INDIAN BANK, GLT ROAD BRANCH, KOLKATA**

Ref:No : ZOKOL CENTRAL: PRM: TENDER:2022-23: 02

Date : 17.02.2023

Issued to:

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

Last date of submission of Tender	03/03/2023 upto 17:00 HRS at Indian Bank, Zonal Office, Kolkata Central, Premises Department, 5 th Floor, 377&378 GD Block, Sector-III, Salt Lake, Kolkata -700106
Date of opening Tender	09/03/2023 at 11:00 HRS at Indian Bank, Zonal Office, Kolkata-Central, Premises Department, 5 th Floor, 377&378 GD Block, Sector-II, Salt Lake, Kolkata -700106
Cost Of Tender	Rs.500/-.

CONSULTANT:

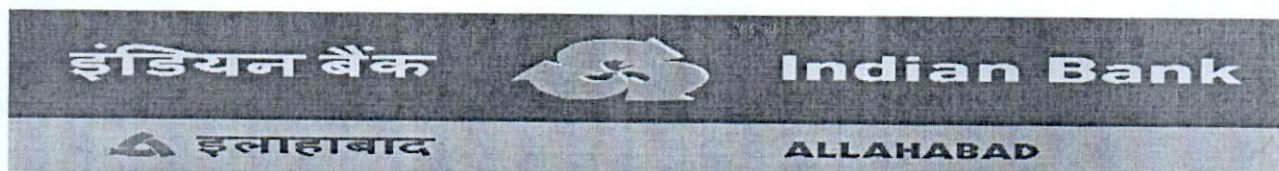
M/s. Burman ET.AL..

Architecture .Interior. Engineering. QAQC

18/74/1, Dover Lane, Kolkata 700021

(M): 9874797597,7980227306,9811210589,8800147589

Email: burmanetaKol@gmail.com.



FORM OF TENDER

Technical part - A

Indian Bank
Zonal Office Kolkata Central
Premises Department
5th 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 existing Premises of GLT 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:

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FORM OF TENDER

Technical Part B

Electrical Works, Fittings and Data Cabling Works etc. at the existing premises of
GLT Road Branch at 123/4/1, Gopal Lal Thakur Road, KOLKATA -700035

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 uncommenced 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 informations 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 or deviated item of work to be executed without taking prior permission from Bank/Architects, if the extra item or 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:
Contractor

Signature, Seal and address of

SR.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
PRICE BID OF ELECTRICAL JOB FOR GLT ROAD BRANCH, INDIAN BANK					
S.NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	PARTICULAR				
1	Supply,laying, connection &testing of light, fan point, wiring by 2x1.5mmsq(2x3/.029) + 1x1mmsq PVC insulated copper flexiable wire maintating the colour code as per direction in PVC conduite of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawaing including 3 point ceiling rows wherever required GI saddle to be used for fixing, metal flexiable/PVC flexiable pipe may use if requied in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe ,light, fan & plug point complete with modular type switch plate & MS box .				
a)	Lighting point complete with modular type switch, plate, M.S. conceal box.				
	Point - 1 Light point control by 01 switch.	12	Nos		
	Point - 2 Light point control by 01 switch.	12	Nos		
	Point - 3 Light point control by 01 switch.	0	No.		
	Point - 4 Light point control by 01 switch.	0	No.		
b)	Exhust fan point same as item No. 1acomplete with modualr type switch plate &MS conceal box & 3 pin ceiling rose.	2	Nos		
c)	Wall bracket fan point as above complete with modular type switch,plate & M.S. conceal box. Including one 2pin plug socket,front plate & conceal box at fan end.	8	Nos		
d)	48" dia ceiling fan point as above complete with modular type switch,plate & M.S. conceal box. Including one 2pin plug socket,front plate & conceal box at fan end.	1	Nos		
e)	Call bell point same as as bove complete with modular type push switch,plate & M.S. conceal box with buzzer type bell.	1	No.		
2	Supply Laying of Circuit line2x2.5mmsq +1x1mmsq PVC insulated copper wire form MCB DB(LDB) to lighting SB & Raw power plug point (6Amps)rest are same as item no.1.3 light board or 6 amps plug connected from one circuite.	198	Mts		
a)	Supply Fixing & connection of modular type 6 amps Plug switch complete with Ms box Socket to fixed above table. 03 nos plug can be connected from 01 circuite	7	No.		
b)	Same as above but 16 Amps 6pin socket with 16amps switch for raw power point. (01 Nos plug connected from one circuite.)	7	No.		



SR.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
SL.	PARTICULAR				
4	SUPPLY FIXING & CONNECTION				
	LIGHT FITTINGS / FANS :				
A	Recess mounted 40 watt LED PHILIPS/ HAVELS MAKE FITTING 2'-0"X2'-0"	12	Nos.		
B	PHILIPS/ HAVELS make 1x40 watt Tubelight fittings with truelite with both end cap white	4	Nos.		
C	Recess mounted 18 watt LED PHILIPS/ HAVELS MAKE down lighter.	24	Nos.		
D	225 mm dia heavy duty Exhaust fan 230 volt A.C. (EPC / PHILIPS make).	2	Nos.		
E	Wall mounting fan 400 mm dia 230 volt A.C.	8	Nos.		
F	48" CEILING FAN WHITE COLOUR (ORIENT/PHILIPS/HAVELS)	1	Nos.		
G	PHILIPS/ HAVELS make 2x40 watt TL fittings with truelite with both INDUSTRIAL TYPE FIXED DIRECT ON TRUE CEILING.	0	Nos.		
H	PHILIPS/ HAVELS make 1x40 watt 2' length Tubelight fittings with truelite with both end cap white	4	Nos.		
5	UPS WIRING :				
a)	Supply fixing & connection of UPS circuit line with 2x2.5+1x1.5mmsq through rigid PVC conduit 20mm dia 1.6 mm wall thickness, with ISI mark, to lay from UPS MCB DB to plug point board. rest same as item no. 1 Two nos point to be connected from One circuit.	188	Mts		
b)	Supply fixing & connection of UPS circuit line with 16 sqmm (approved make) wire to be connected from main to UPS for use UPS charging purpose only. Connection must through with MCB.	18	Mts		
c)	Supply fixing of 2x6Amps 5 pin socket + 1x16 Amps 6 pin socket in single board (under table) + 1x16 A switch in another board above table as per direction.	15	Set		
d)	Same as above but 3x6/16, 6pin socket with switch to provide near HUB rack, are to be connected from UPS power.	2	Set		
e)	Supply laying & connection of UPS incoming power line with 2x6mmsq + 1x2.5 PVC insulated copper wire rest same as item no. 1 from PDB to UPS incoming power switch including 1 nos outgoing line.	48	mtr		
f)	Supply installation of UPS incoming 63Amps DP MCB with original housing of Legrand make.	4	no		
g)	Supply installation and termination of UPS outgoing power distribution system with 10+2Way SPN DB comprising 8x10Amps SP MCB & 40 Amps DP MCB as main	4	no		
6	LAYING OF CABLE :				
a)	Supply laying fixing main power with 50 mm sq 3.5 core PVC insulated, PVC sheathed Alu. Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bare GI wire as running earth.	15	Mts.		
b)	End termination of 50 mmsq 3.5 Core armoured cable, complete with brass cable gland, Alu. Lug, PVC tape.	12	End		



SR.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	MAIN ELECTRICAL Cubical type panel.				
7.1	MAIN VTPN DB				
	Supplying, installing, testing & commissioning				
	of 24 Slots, Vertical busbar, MCB type Power Distribution				
	Board (MAIN VTPN DB), flush mounted on wall, sheet				
	metal fabricated, powder coated, having				
	dust-proof and vermin proof, and hinged door				
	with all internals such as DIN rails, neutral-link,				
	interconnected wiring complete with earthing				
	lugs housing following switchgears.				
	1 no., 125A, 4P MCCB as incomer				
	4 no., 63/40A, TP MCB				
	8 no., 40/32/25 A SP MCB				
	6 nos, 20/16A, SP, MCB outgoing	1.00	SET		
i	125 amps 4P CHANGE OVERSWITCH ON LOAD TYPE in sheet steel enclosure complete with all mounting accessories before lighting DB with necessary cable jointing adaptor box	1.00	No		
ii	32/25A roll socket complete with 32/25/16/10 amps DPMCB with 3 pin metal clad socket - waterproof tight (IP 65) for wall unit split AC machine	-	Nos		
iii	40A/32A DP MCB in sheet steel enclosure complete with all mounting accessories for UPS & others	2.00	Nos		
	Providing and Supplying 40 A TP MCB as a master Switch to switch off all the LDB Loads, located at the Entrance of the Branch.	1.00	Nos.		
7.C	DISTRIBUTION BOARDS				
	Supply, installation, testing & commissioning of Distribution Boards surface / flush mounted with Double door containing MCB/ELMCB as incomer and SPMCB as outgoing. All MCBs are of 10KA breaking capacity and ELMCBs/RCCB should be of 30mA/100 MA sensitivity. The DB shall have appropriate no. of top and bottom knock outs for outgoing circuits and shall be complete with necessary busbars, interconnection terminals and earth studs. All terminations in DB shall be complete with ferruling, dressing and all circuits shall be properly labeled with PVC strip (sticker type) having identification as per the final approval of Consultant. For UPS DB MCB shall be 'D' type and other MCBs shall be 'C' category for lighting and raw power DB.				
i	Lighting & power Distribution Board -	1.00	No		
	12 way TPN DB				
	Incomer: 40A 4P MCB C TYPE + elcb 30mA				
	Outgoings : 6/10 SP MCB, 'C' Type - 36 Nos				
ii	Power Distribution Board (ATM ROOM)		No		
	4 way TPN DB				
	Incomer: 40A 4P MCB + ELCB 100 ma				
	Outgoings : 32 A SP MCB - 2 Nos ; 16/20 SP MCB, 'C' Type - 4 Nos				
iii	UPS Power Distribution Board -(FOR 3KVA UPS)	1.00	No		
	12 way SPN DB				
	Incomer: 40A DP MCB, 'D' Type				
	Outgoings : 16/10 SP MCB, 'D' Type - 10Nos				
iv	UPS Power Distribution Board - UPS DB-2KVA-ATM)		No		
	6 way SPN DB				
	Incomer: 20A DP MCB, 'D' Type				
	Outgoings : 16/20 SP MCB, 'D' Type - 4 Nos				



SR.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8	EARTHING STATION :				
a)	Earthing installation as per I.E. rule conforming to IS 3043-1987 or its latest amendment by making earth station with 600x600x3mm(mini-mun) thick copper plate electrode to be installed such that its top edge shall be at a minimum depth of 3.3mts below ground level after preparation of ground with charcoal, sand, & salt, connecting the 25x3mm thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 50mm dia 2.3Mts long partly perforated G.I. Pipe with funnel for watering arrangement. N.B :- The Copper plate to be buried under 3.3Mts depth from ground level, including C.I. Pit 300x300mm with necessary brick	4	Set		
b)	wall (For UPS earthing). Spike Earthing with G.I. Electrode 3mts. Longx50 mm dia (Class - B) including accessories and providing masonry enclosure with cover 300x300mm plate having locking arrangement and watering funnel Etc. with charcoal, sand & salt at alternate layer as required for electrical panel earthing.	2	No.		
c)	(For main electrical panel earthing.)	38	Mts		
d)	Supply laying 1x8SWG copper bare wire from earth spike to main panel.(Electrolite wire) Do but with 1x16mmsq insulated copper wire from earth spike to UPS earth bus bar through PVC regid 20mmdia ISI mark.	68	Mts		
9	A/C. electrification :-				
a)	Supply laying & connection of A/C. line for 1.5 / ITR A/C. window / split with 2x4 + 1x2.5, mmsq through Regid PVC conduite rest same item no 1.	118	Mts		
b)	S/Fixing AC Box as per company specification with 25 Amp SPMCB with 25AMP Socket	7	Nos		
c)	AC WITH COPPER PIPING:				
i	1.5TR 5 STAR MACHIN WITH INSTALETION	5	Nos		
ii	1TR 5 STAR MACHIN WITH INSTALETION	0	Nos		
10	Out door type glow sgn board wiring :-				
a)	Supply laying of main line with 2x2.5 + 1x1.5 mmsq through MS conduite from main panel to glow sign board.	22	Mts		
b)	Supply installation of 16 amps DP MCB at main entrance Glow sign board WITH TIMMER MDS MAKE	1	Set		
11	Supply fixing of 100Amps TPN HRC type SFU at SEB for main incoming on MS angle. frame & 02 nos Cable end box including connection.	1	No.		

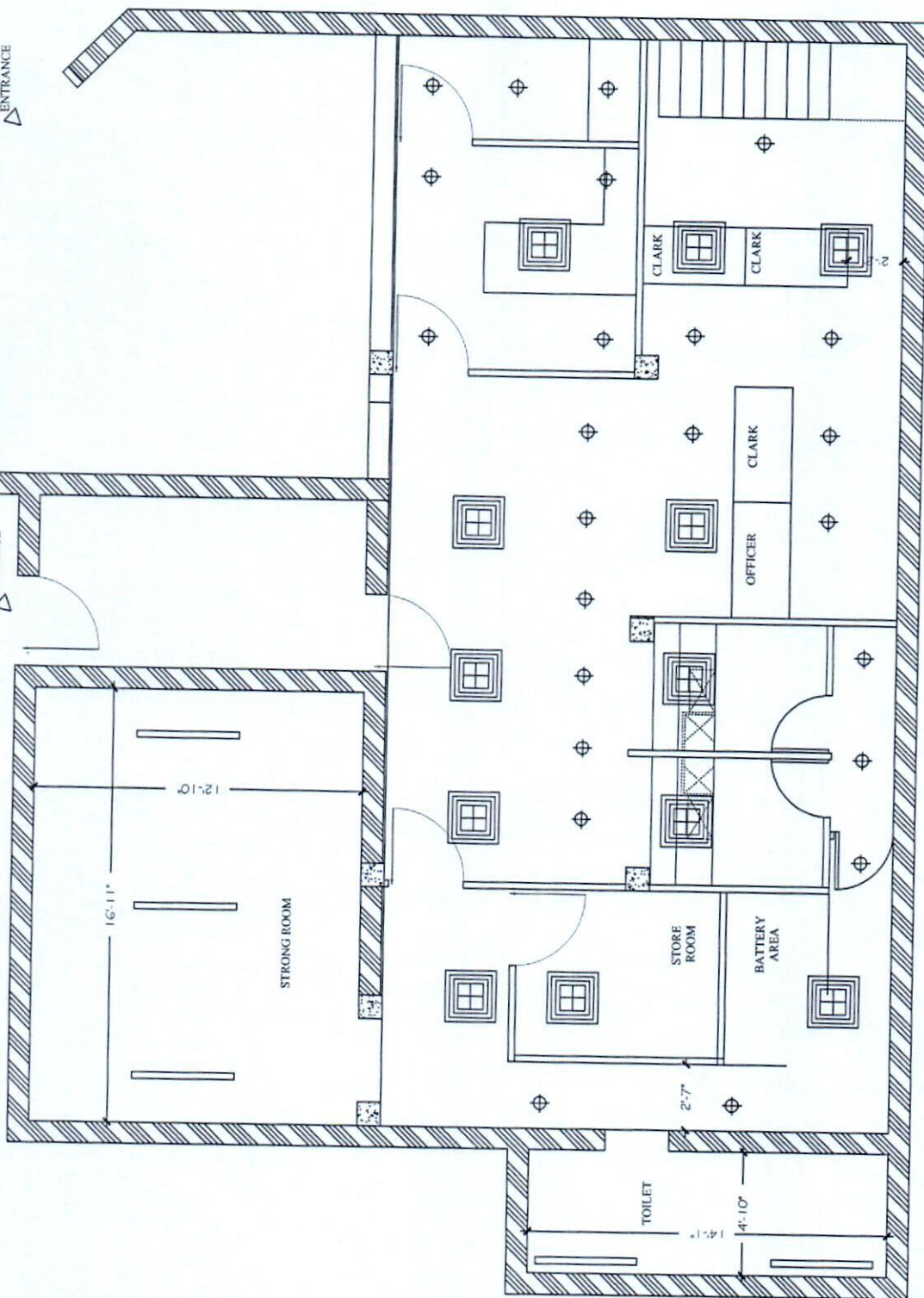


SR.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	Gen set wiring :-				
a)	Supply laying fixing main power with 3.5 core 50Sq.mm PVC insulated,PVC sheathed Alu. Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bear GI.wire as running earth.	17	Mts		
b)	End termination of 3.5 core 50 Sq.mm armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	4	End		
13	LAN WORK				
D	Data /Voice Network System				
1	Supply & Installation of cat - 6 Data Cable	380.00	Mtr		
2	RJ - 45 Data Socket With Plate	9.00	Nos		
3	RJ - 11 Voice Socket	9.00	Nos		
4	Supply & Installation of Voice Cable - 4 pair Telephone Cable un armoured PVC Sheated .	155.00	Mtr		
5	10 Pair Tag Block Crome type on MS box	2.00	Nos		
6	P/F 9U Rack	1.00	Nos		
7	EPABX Box	1.00	Nos		
8	Patch code-3 Meter	7.00	Nos		
9	Patch code- 1.5 Meter(inside rack to connect router to patch panel)	7.00	Nos		
10	24 Port Switch	1.00	Nos		
11	24 Port Jack Panel	1.00	Nos		
	TOTAL OF ELECTRICAL AND AC WORK				
	SUMMARY OF FURNISHING & ELECTRICAL JOB				
	FURNISHING WORK				
	ELECTRICAL AND AC WORK				
	TOTAL				



LOBBY
ENTRANCE

BRANCH
ENTRANCE



PROPOSED ELECTRICAL LAYOUT FOR GLT ROAD BRANCH, GROUND FLOOR

GROUND FLOOR AREA
(1332 square ft.)

BURMAN ET.AL
Architecture Interior Engineering QAQC
18/74/1 DOVER LANE, KOLKATA - 700021.
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**LIST OF APPROVED MAKE OF MATERIALS FOR ELECTRICAL WORKS AT
GLT ROAD BRANCH**

SL NO	ITEM	APPROVED MAKE
1	MS pipe ISI mark. 16 SWG	BEC / NIC
2	MS pipe ISI mark. 16 SWG	BEC / NIC
3	M.S. fittings (Bend / Elbow / G.I Saddle / 3way circular box)	BEC / NIC
4	Wire PVC insulated copper flexible wire. FR	Finolex / Havell's/ polycabe
5	A.C. Starter	North-West / Crabtree/ Legrand/ancor
6	250 Volt 6/16 Amp. 3 pin modular type switch,socket	MDS Legrand / Crabtree / ABB/ Anchor AVE/indoasian
7	Capacitor	Mamal/ L&T
8	Current Transformer	Kappa / L&T/ Schneider (CG) A.E
9	Changeover Switch	L&T / HPL / GEC / Havell's
10	Amps meter & Voltmeter 96x96 mm (Analog)	AE / IMP / L&T / ALSTOM / HPL / Havell's
11	Miniature Circuit Breaker & MCB Distribution Boards,RCBO	MDS / ABB / L&T(Hager) / Schneider(CG)/Siemens/LK Fuga / Havell's
12	Armoured Cable	NICCO / Fort Gloster / Havell's / CCI
13	Telephone Socket RJ – 11	Crabtree / ABB / MDS Legrand
14	Telephone Cable (0.51mmsq) 10/20 pair	National/ Delton / Netco / Finolex / Retco
15	Lugs	Dowells
16	Light Fittings/ Fixtures	Havells/Philips
17	Terminal Connector	ESSEN
18	Exhaust Fan	HAVELS / Crompton
19	Wall mounted (Oscillating Type) / Pedestal Fan	Orient / Crompton / HAVELS
20	SFU / SPN / TPN S.M. housing / Open execution front handle with housing	L&T / Siemens / Havell's
21	Telephone Connector	KORN type
22	Selector switch (Rotary type)	Kaycee / A.E / L&T/ Siemens
23	Rigid PVC conduit	B.E.C., Kalinga, Plaza, AKG, Precession
24	Sliding fuse / DZ fuse	Bharat Lender / BCH
25	Clock switch/time switch	L&T, MDS, GIC, T&C
26	PVC Tape	Steel Grip / Anchor
27	Join box 6"x4" MS box heavy type	Local make
28	Bearer Call Bell	Anchor / Max / Roma
29	Brass Cable gland	Arun(heavy type) / Dowells
30	LED Indicator (bright type)	Mikadov / L&T / MDS
31	PVC flexible pipe	Hanuman / Precession / Kalinga
32	MCCB	Siemens / L& T / MDS / Havell's/indoasian
33	Metal Clad socket & plug having scraping earth arrangement	Siemens / L&T / MDS / Schneider
34	All other items not covered above	As per sample approved by Employer/Consultant
35	SPLIT AIR CONDITION UNIT	CAREER/HITACHI/DAIKAN/LG

**LIST OF APPROVED MATERIALS FOR FURNISHING WORK AT INDIAN BANK
GLT ROAD BRANCH**