

NOTICE OF INVITATION TO TENDER FOR ELECTRICAL WORKS AT NEW SILAPATHAR BRANCH

Sealed Tender are invited from empanelled Electrical Contractors for the Electrical Works to be carried out at our CANARA BANK SILAPATHAR (NEW BRANCH), ASSAM as per the details below:

1.	Time for Completion	:	20 days from the date of the work order.
2.	Submission of tenders	:	Nature of the document: SINGLE BID CONCEPT. This Tender document comprises of the following: <u>Technical Bid</u> a. Notice Inviting Tenders b. General Rules and Conditions c. List of Makes d. Drawings & Layouts of the Branch e. BOQ of the Works Duly filled documents in their prescribed form should be placed in one sealed envelope. The Name of Work & Tenderer must be written on the envelopes in a legible manner
3.	Date of Issue	:	09/10/2024
4.	Last Date & Time of Submission	:	21/10/2024 up to 03:00 P.M. To, The Assistant General Manager, Premises & Estate Section, Canara Bank, Circle Office, Guwahati
5.	Date & Time of Opening	:	Will be opened on 21/10/2024 on or after 03:30 P.M. or any subsequent date as intimated by the bank.

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

Signature of the Contractor (with Seal)

GENERAL RULES, INSTRUCTIONS AND CONDITIONS

1. Sealed OFFERS are invited for the work of:

“ELECTRICAL WORKS AT SILAPATHAR (NEW BRANCH), ASSAM”

2. Offer shall be on prescribed form only, can be obtained from the above office from Senior Manager, Premises & Estate Section as detailed in Notice Inviting offer and are not eligible to be transferred.
3. The offers are called from Banks panel contractors and it is a part of the condition that **the terms and conditions detailed in the IBA’s construction works manual will be applicable and binding on the contractor**. It is open for the entire contractor to refer the manual, which is available at our section.
4. The works are to be carried out under the supervision of Bank’s Technical Officer. The works shall be carried out strictly according to the specification as specified in the tender and working drawings. Any ambiguity in the specifications / drawings shall be brought to the notice of the Bank & the decision of the Bank in such matters will be final & the same is binding on the contractor.
5. **Time period:** The total time allowed for carrying out of the work shall not exceed the period specified in the Notice Inviting Tenders i.e. **20 days**.
6. The offerers should quote in figures as well as in words the rate, and amount tendered by them. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools, carriage & transport, lift charges, supervision, overheads & profits, mobilizing and other charges whatsoever including any anticipated or un-anticipated difficulties, any formality with the building society etc. complete for proper execution of the work as per specifications and no claim whatsoever for any extra payment shall be maintainable.
7. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the offerers who resort to canvassing will be liable for rejection.
8. Offerer shall quote the rates which shall be inclusive of all the incurred cost for materials and services or installation at the site as per the work contract and the Employer will not entertain any claim whatsoever in respect of the same, and nothing extra shall be paid/reimbursed for the same subsequently.
9. Goods and Service Tax as applicable will be paid as per the applicable government norms at the time of realization of bills. Offerers must quote the rates / total amount exclusive of GST and GST amount shall be mentioned (with %age) separately on the last page of the financial bid.
10. The Bank reserves the right to call for bills or orders placed to the Dealers/ Companies/ Distributors for procurement of material by the Offerer.

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11. The Employer does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the offer and offerer shall be bound to perform the same at the rate quoted.
12. **The rate shall hold good for any upward or down ward variation in quantities and no claim on this account will be admissible.**
13. Offerers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their offers as to the nature of the site and dimensions, the means of access to the site, and obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their offer.
14. The offerer shall note that the work is to be carried out in a running branch premises and hence, contractor should use extra manpower for utilizing the available time. The necessary permission to carry out the works with statutory authorities in night times is within the scope of the contractor and bank will not pay any additional charges.
15. **Payment Terms:** The interim payment shall be based on the progress of the works after getting the certification from the architects. The bills for interim payment shall be on a format similar to the tender or as prescribed by the bank along with the measurements of the executed work. While considering interim payment the value of materials at site shall not be considered. The number of interim payments allowed is **1(one)**. The interim payment amount payable is subject to deduction of retention money @ 10% (Ten) and other statutory taxes.
16. The final bill for the works shall be submitted within one month form the date of completion of works, failing which the Bank reserves its right to treat the bill for the last interim payment itself as the final bill for the work and the contractor has no right to claim any amount against the work.
17. **RETENTION MONEY:** An amount equal to 10 % of the value of the work executed shall be withheld as security deposit with the bank and the same shall be released without any interest after the defect liability period, subject to clause below.
18. **DEFECT LIABILITY PERIOD:** The DLP is **12 months** form the date of completion of works as certified by the Engineer-in-charge. The works shall be guaranteed for a period of one year from the date of completion of work. Any defect arising during this period due to bad workmanship, quality of materials and others shall be rectified at no extra cost of bank, failing which the bank shall have liberty to engage other agency and recover the cost from the contractor.
19. The contractors shall make his own arrangement for the storage of the materials, without causing inconvenience to the normal working of the office and the security of the material stored shall be at the sole responsibility of the contractors/agency.
20. The contractors can make use of the available facilities at site like, electricity; water etc, with the prior approval of the Bank.

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21. Any damage caused to the equipment, furniture, fixtures, decor of the office etc shall be rectified by the contractor at their own cost or the cost of the damages, as decided by the Bank, will be recovered from the contractor.
22. **Contractor shall note that no additional work is to be carried out without the written order from the Bank.**
23. All makes/brands of materials to be used in the works shall be as per the list of approved makes enclosed to the tender offer. Any make of material not listed shall be got approved by bank before us in works. Bank reserves the right to insist on the makes of materials given in the list and the decision of the bank in choosing the make shall be final and binding on the contractor.
24. **LIQUIDATED DAMAGES:** Time is the essence of the contract. If the contractor fails to maintain the required progress in terms of the contract or to complete the work and clear the site on or before the contract or approved extended date of completion, he shall, without prejudice to any other right or remedy of the Employer on account of such breach, pay as agreed compensation the amount calculated at 1 percent per week or such smaller amount as may be fixed by the bank on the contract value of the work for every week of delay or part thereof.
- The Employer shall have the right to adjust, / set-off their claim, if any against any sum payable to the contractor under this or any other contract with the Bank anywhere in India/outside India.
25. **Arbitration:** In the event of any disputes, the parties have agreed to settle the same amicably between them, failing which the same will be referred to an independent Arbitrator as may be mutually agreed between the bank and contractor as per the Indian Arbitration Act.
26. **Note: Any discount offered in percentage by the contractors should be clearly mentioned in figures and as well as word. The offerer should arrive at the discounted amount and the same should be deducted from the quoted rate and Grand total should be arrived at. Any tenderer not adhering this condition, will be liable for rejection.**

I/We have read the offer document, its terms & conditions including clauses contained in IBA's construction works manual, aware of the scope of work, site conditions, specifications and quoted accordingly.

Place :

Date :

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LIST OF PREFERRED MAKE / BRAND ALL WORKS

Sr.No.	LIST OF NOMINATED MATERIALS & SUPPLIERS	SUGGESTED MAKE LIST
1	INTERIOR WORKS	
	BWP Plywood (IS : 710)	Century / Green / Sylvan / Austin
	Laminate	Green lam / Century mica / Sunmica / Aica
	Acrylic sheet	ICI, GE or equivalent ISI make
	Marine grade plywood	Century / Green / Sylvan / Austin
	Adhesive	Fevicol/Araldite/Anchor or equivalent
	Solid Surfaces (Corian)	Merino Hennex / LG/ Dulux/ Hyundai
	Marine grade Block Board	Century / Green / Sylvan / Austin
	Flush Door / BWP Block board (IS : 1659)	Century / Green / Sylvan / Austin
	Polish	Asian / Dulux or equivalent
	Latex	MM Foam or equivalent ISI make
	High density foam	U Foam or equivalent ISI make
	Locks	Godrej / Hafele /Hettich / Kich / Doorset / Yale
	Storage Hardware	Godrej/ Haffle / Hettich / Ebco or equivalent
	Screws / Nails & other accessories	GKW/Nettleford or equivalent
	Plain/Toughened glass	Saint- Gobain, Indo Asahi , Modi or equivalent
	Hardware for general staff areas	Dorma / Euro/ Ozone / Enox / Ebco /Hamco or equivalent
	Hardware for main Glass doors (patch fittings)	Dorma / Euro/ Ozone / Enox / Ebco /Hamco or equivalent
	Door Closers (general use)	Godrej / Archi / Sterling (DC 2000)
	Floor springs (general use)	Godrej / Archi / Sterling (FS 3000)
	Floor springs for main glass doors	Dorma / Euro/ Ozone / Enox / Ebco /Hamco or equivalent
	Aluminum Sections for Partitions	Jindal / Tata steel or equivalent
	False Ceilings: Gypsum	India Gypsum / Saint Gobin / USG Boral
	False Ceilings: Grid (As Approved)	Armstrong
	False Ceilings: Grid (Metal Ceiling)	Armstrong
	GI Sections	India Gypsum / Saint Gobin / Jindal or equivalent
	Acoustical False Ceilings: Mineral fiber board	Armstrong, Hunter Douglas / Peritex or equivalent
	POP Punning	Gyprock / India Gypsum / Birla
	Paint	Asian / Nerolac / Dulex / Berger or equivalent
	Exterior Paint	Asian / Nerolac / Dulex / Berger or equivalent
	ACP (Exterior / Interior)	Alstone / Alu Decor /Alucobond
	Silicon	G E / Dow corning / Wacer
	Rolling / Vertical Blind	Vista / Peritex / Winfab / MAC or equivalent
	Frosted Film	Garware or equivalent
	Aluminum Skirting - 50mm	Jindal or equivalent

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	Water Proofing	Pidilite or equivalent
	HardWood	Salwood / Teakwood/kapoor
	Glass	Saint Gobain / equivalent
2	ELECTRICAL	
	Light Fittings	Philips / Wipro / Havells / Crompton G.
	MCCB, MCB , RCCB, DB, ICTPN TP, HRC Fuse, change over switch, switch fuse Unit	L&T, ABB, Legrand, Havells, Schneider
	FRLS insulated Elec. Wire/ cable armoured, unarmoured, Sheathed,unSheathed, flexible LT cable, Multi core, single core cable, flat cable	Finolex/Ploycab/Havells/RR kabel/KEI
	PVC conduit(HEAVY DUTY ONLY)	CAP/Finolex/Polycab
	PVC insulated copper conductor Wires	Finolex/ Polycab/RR Cable /Havells
	Distribution Box	Legrand/ Schneider/ Havells /Siemens
	MCB & MCCB	Legrand/ Schneider/ Havells /Siemens/L&T
	Light Fixture & Lamps	Philips/ Wipro / Havells / Crompton G.
	HT cable	Polycab/Havells
	Modular Switches	ABB/ Legrand/ MK/ANCHOR/ Havells /ROMA
	DLP Trunking	Legrand/Schneider or equivalent
	Power cable	CCI/ Skytone/ Universal/ LAPP/ Torrent
	End Termination	Raychem/ Mahindra/ELMEX
	PANEL	Crompton/L&T/C&S
	Fan	Crompton/Havells/Bajaj/Usha
	Raceway & Alu. Trunking	Tata/Jindal/Zenith
	Casing Caping	Finolex/Cap or equivalent
	Weather proof socket outlet with MCB	ABB/MDS/LEXIC/Neptune/Elcon- Clipsil, Siemens, Schneider (Merlin Gerin)
	Miniature Circuit Breaker	ABB/MDS/LEXIC/ Clipsil/Siemens/ Havells
	Earth Leakage Circuit Breaker	MDS/LEXIS/Siemens/ Havells
	MCB Distribution Boards in sheet steel housing (double door)	ABB/MDS/LEXIC/Siemens/ Havells
	Telephone Cable	Skytone/ Delton/ NICCO/Polycab/Finolex
	Switch, TV & Telephone socket & boxes (Modular Type)	CPL/Legrand/ABB/Anchor
3	Miscellaneous Items	
	Lightning Protection Unit	Erico/ Pheonix/ INDELEC
	Relays	L&T/ABB/Siemens/BCH
	Contractors	L&T/ GE Power/BCH/ Siemens/ABB
	Changeover switch	C&S/Havells/ L&T/HPL

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	KWH, PF, Frequency meter	BHEL/ AE/Havells/ L&T/ALSTOM
	Push Buttons	L&T/ Siemens
	Timers	L&T/ Legrand/ Schneider/Siemens/GE
	Timer Switch	L&T/ Legrand/ Schneider/Siemens/GE
4	Networking	
	Switches	Brocade/Cisco/DigiLink/3Com/Nortel/Foundry/D-Link
	Patch Panel,Patch cord and I/o	Digi-Link / Tyco(AMP) /Schneider/D-Link
	Cable	Digilink/Clipser/National/Polycab/Lapp/Finolex
	Racks	ComRack / HCL / ValRack / APW President

CONTRACTOR

NOTE: The contractor shall use only above mentioned material to be approved by the Consultant. All other materials shall confirm to the specifications laid down. The tenderers shall take this into account while tendering rates / prices.

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**BOQ FOR ELECTRICAL WORKS FOR CANARA BANK
PROPOSED NEW BRANCH BRANCH AT SILAPATHAR, ASSAM, RO DIBRUGARH**

GENERAL NOTE

1	UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. (From input DB to UPS and from UPS Output to UPS Output DB)
2	All wires for circuit wiring and other wiring should be drawn inside M. S. Conduits Only unless otherwise specified
3	Specifications of all wires should be followed strictly as mentioned in the BOQ
4	All makes of materials should be strictly followed as mentioned in the detailed specifications of the Tender document
5	Earthing Test Certificate MUST be provided alongwith the Final bill for further bill verification
6	Single Line diagram showing the all the wiring including point wiring, computer and RAW power wiring, Circuit wiring etc. all complete should be submitted with the Final Bill
7	Only DATA and Voice point wiring is allowed to be carried out through MS Conduits

PART A: ELECTRICAL WORKS FOR BRANCH

Sl. No	Description	Unit	Qty	Rate	Amount
	SECTION-A				
1	PVC board for Fitting of indicator Bulbs directly connected from LDb, PDB, ACDB and UPS DB with necessary holders etc. with proper marking TO BE PLACED NEAR THE MAIN ENTRANCE				
	8 Module (125mmX125mm)	No.	1		
	Rates shall be inclusive of all necessary wirings as shall be required to connect this indicator board with the LDB, PDB, ACDB & UPS DB placed in the UPS Room				
2	Main Distribution Board				
2	S.I.T.C. of Factory Manufactured Single/ 3 Phase & Neutral Double Door Distribution board made out of 16 SWG sheet steel enclosure with cutouts for operating MCB/MCCB/RCCB etc. knobs & consisting of Phase, Neutral & Earth Busbars with tapped holes , phase barriers, & covers with removable plates on Top & bottom for Incoming & Outgoing Cables . D.B.'s shall be flush mounting type for both single & three phase.				
2.1.	S.I.T.C. of TPN 4 way Double Door Vertical Distribution Board with following M.C.B./M.C.C.B./RCCB & cable end boxes at Input & Output. [Main VTPN]				
a	4 Pole ,Type C, 63 Amp 30KA MCB as Incomer - 1 no.s				
	25A DP "C" Class MCB . for input to LDB - 1 Nos				
	25A DP "C" Class MCB for input to Raw PDB- 1 Nos. (Water Dispenser, Mobile Charger & Ancillary services Load)				
	40A DP "C" Class MCB for input to ACDB- 1 Nos.				
	32 DP "C" Class MCCB for Inverter INPUT AND OUTPUT- 2 Nos,	No.	1		

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	<p><u>Note- Rates Shall be inclusive of S.I.T.C. 3X35 sqmm Armoured alluminium cable from the Main LT panel to the main DB including 4 X10 Sq.mm. F.R.L.S. Copper Flexible wires with 2 X 10 Sqmm Copper Earth Wires in Rigid MS conduit from 100 A MCCB in Metal Box (Metering Cabinet) at the output of Br. Meter to Main DB and any other ancillary items as directed by Engineer-in-Charge/ Architect.</u></p> <p><u>Note- FOR AC POINTS Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm² + 2x4.0 mm² F.R.L.S. copper flexible wires in 19/20 mm. MS conduit from Main Panel To AC points</u></p>				
Section B					
3	MCB DISTRIBUTION BOARD				
	Supplying, installation, testing and commissioning of surface/recess mounting, 220/415 volts prewired MCB distribution boards with all switchgears as specified below, of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned uniformly rated electrolytic copper bus-bar, common neutral link, earth bar, din bar for mounting MCB/MCCB/RCCBs detachable gland/knock out plates and with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR MS insulated copper conductor upto the terminal connector/neutral link and ready for installation as specified below:				
3.1.	S.I.T.C. Of L.D.B. [MCB DB- LIGHT] (LIGHT DB)				
a.1.	S & I of 6 Way SPN, DB for distribution to all Light points of different areas (as indicated in the circuit diagram), having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) - 25A, 36kA, DP MCB as incomer - 1 Nos, output of which is directly connected to 5W Red colour indicator Light 6A SP MCB as outgoing -4 Nos.	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3X 2.5 Sq.mm. F.R.L.S. copper flexible wires in 19/20 mm. MS conduit from Main D.B To L.D.B</u>				
b	S.I.T.C. Of P.D.B. [MCBDB-POWER] (Raw Power DB)				
b.1.	S.I.T.C. of SPN 8 way Single door D.B. with Incomer 40Amp 36kA, DP MCB - 1 No . output of which is directly connected to 5W Yellow colour indicator Light 16A SP MCB-1 Nos. 10A SP MCB- 5 Nos. with all wiring connections.(Max. 2 Points to be looped on one MCB, 3 nos. in exceptional case.)	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid MS conduit from Main DB to Power DB</u>				
c	S.I.T.C OF U.P.S. D.B. : (MCBDB-UPS)				
	S.I.T.C. of 8 way Single Door SPN D.B. with Incomer Double pole 36kA 40 Amp MCB - 1 No output of which is directly connected to 5W Blue colour indicator Light 10A SP MCB- 6 Nos. with all wiring connections.(Max. 2 work-Station Points to be looped on one MCB, 3 nos. in exceptional case.)	No.	1		

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	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid MS conduit from Main DB to MCBDB-UPS-1. (body to be earthed)</u>				
d	S.I.T.C OF U.P.S. D.B-2 : (MCBDB-UPS 2) for connction to Fire alarm/ BAS/ CCTV/ Network switch etc. directly connected from VTPN UPS output				
	S.I.T.C. of 6 way Single Door SPN D.B. with Incomer Double pole 36kA 40 Amp MCB - 1 No. 10A SP MCB- 4 Nos.	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid MS conduit from Main DB to MCBDB-UPS-2. (body to be earthed)</u>				
d	S.I.T.C of 32 Amp. D.P. MCB in Metallic box for Inverter I./P. & O/P to LDB	No	1		
e	S.I.T.C of 32A DP MCB in Metallic box for UPS I./P.& O./P.	No	1		
f	<u>S.I.T.C. Of ACDB [MCB DB- AC] - If Required as per Bank approval</u>				
	S.I.T.C. of 6 way Single door SP Distribution Board with all wiring connections. Incomer : -40A DP 30mA MCB : - 1 No. output of which is directly connected to 5W Green colour indicator Light Outgoing : - 16A SP MCB : -4 Nos.	No.	1		
	<u>Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm² + 2x4.0 mm² F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage MS conduit from Main Panel To ACDB</u>				
SECTION-C					
4	POINT WIRING				
4.1	Supply & Installation of concealed point wiring using 3 x 1.5 sqmm stranded FRLS copper conductor in <u>M.S Conduit</u> including the cost of circuit wiring from the relevant DB's with 3x 1.5 sq mm stranded FRLS copper conductor in <u>M.S Conduit</u> . PIN GRIP Lugs should be used for connection/ terminations at both the ends with proper colour coding of phase, neutral and earth wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). The rate shall also include concealed M.S Box, Cover Plate and Switches of grid plate type switches and sockets of approved shade and make as approved by Bank / Architect. Each circuit should not have more than 8 points / 800 W in one loop as per the following configuration.				
a (i)	Primary light points including the cost of 6A switch (Single Point-12 Nos. Double Loop Points- 11 Nos.Triple Loop Point-2)	Pts	25		
(ii)	Primary light points including the cost of 6A switch in UPS Power	Pts	6		
b	Secondary 6A Plug point on switch board. [SO]	Pts	1		
c	16/6 A Plug Point directly taken from PDB for hotplate/geyser / zerox / fridger etc.	Pts	3		
d	Exhaust fan/ Wall Fan point consisting of 6A socket near fan and switch on light switch board	Pts	12		
e	Wiring for Signages with 2R x2.5 Sq.mm and 1 Rx 1.5 Sq.mm, PVC insulated copper conductor flexible cable to be connected to the SPN D/D consumer along with a Timer and Contactor unit installed in Electrical Room room	Set	1		
f	S.I.T.C. of call bell with bell point .	Nos.	1		
4.2	COMPUTER/ RAW POWER WIRING				

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	Note- All sockets should be placed below the workstations as mentioned in the drawings but the controlling switch should be fixed above the work stations and at place as directed by the architect				
a	Supply & Installation of concealed UPS or stabilized power plug points on workstations / table for computers using 3 x 2.5 sqmm stranded FRLS copper conductor in <u>M.S Conduit</u> including the cost of circuit wiring from the relevant DB's with 3 x 4.0 sq mm stranded FRLS copper conductor in <u>M.S Conduit</u> . PIN GRIP Lugs should be used for connection/ terminations at both the ends with proper colour coding of phase, neutral and earth wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). Each point shall consist of 3 Nos of 6A/16A 2 / 3 Pin sockets and 1 No 16A switch, wired together forming one point. Switches and sockets to be of approved shade and make. (Only 2 tables served by one circuit from UPS DB/ Not more than 2 points shall be permitted per loop) Cost is inclusive of necessary cutting the walls/ partitions and carrying all the wires through <u>M.S Conduit</u> and ageing finishing the walls with Putty/ Cement/ POP to receive the final paint.. [SOC]	Pts	8		
b	S & I of points similar to above but to be used as raw power point on the tables consisting of one 6/16A socket with switch of other color and flexible cable of black color & circuit taken from Raw Power DB (2 tables (Maximum 3) served by one circuit from LDB/PDB) Taken Above False ceiling and through walls/ partitions inside M.S. Conduits as raceways are not provided. Cost is inclusive of necessary cutting the walls and including M.S. Conduits as required for taking the wires.	Pts	10		
SECTION-D					
5	Supply, Installation, Testing and Commissioning of EARTHING				
5.1	Earthing with Copper earth plate 600 x 600 x 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc with charcoal/ coke and salt as required. Rate shall be inclusive of Providing & fixing 25 mm x 5 mm Cu strip on surface or in recess for connection as required.	Each	1		
5.2	Earthing with GI earth plate 600x600x3mmthick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc with charcoal/ coke and salt as required.Rate shall be inclusive of Providing & fixing 25 mm x 5 mm G.I. strip on surface or in recess for connection as required.	Each	1		
SECTION-E					
6	LIGHTING FIXTURES (Bajaj or equivalent)				
6.1	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
a	<u>PANEL LIGHT [PL]</u> - Ultra Slim LED Panel made from extruded aluminium housing frame (recess / pendant) 2ft x 2ft , Wattage-30W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect.	No	12		
b	<u>DOWN LIGHT [DL]</u> - Round LED recess-mounted designer panel with aluminium die cast housing , Wattage-18W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by	No	22		

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	the Engineer-incharge/ Architect.				
c	S.I.T.C. of 12/13 Watt 6000/6500 K, (≥720 lumens) Recessed/Surface mounted LED Down Lighting Fixtures with fixing accessories. As Emergency Light	No	6		
d	<u>1200 MM TUBE LIGHT [TL]</u> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-20W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect.	Each	4		
	<u>600 MM TUBE LIGHT</u> - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-10W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equivalent as approved by the Engineer-incharge/ Architect. [FL]	Each	2		
6.3.	Supplying including fitting fixing of following star rated new 450 mm dia bracket/wall fan in metal body and metal blade of Orient Electric (TORNADO Wall Black Metal) or equivalent of approved make , complete with all accessories with necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Bank				
	a) 400- 450 mm sweep	EACH	8		
6.4	Supply and fixing of 10" - 12" Metal bladed exhaust fans with louvers.[EF]	EACH	4		
7	WIRING FOR DATA AND VOICE OUTLETS				
a	Supplying, laying and termination of 4 pair Copper solid, twisted pair G600 CAT--6 cables through specified dia MS conduits / raceways. Cables must meet and exceed category 6/ class E standards requirements in ISO/IEC11801, CENELEC EN50173 & TIA 568-B2-1. and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule. Note- Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description.				
7.2	Outlets with Back Box & Single Face Plate & Termination Of LAN Cable etc. of <u>Compscope/ D'Link Make (Including One extra in BM and 1 No for CCTV)</u>	Nos	2		
	Same as above but with Double Face Plate & Termination Of LAN Cable etc. of <u>Compscope/ D'Link Make</u>	Nos	5		
	Testing, Labelling, scanning of I/O Nodes & submission of report.	Nos	12		
	S.I.T.C. of 24 port Fully loaded Jack Panels	Nos	1		
	S.I.T.C. of 3 Ft. Factory Crimped Mounting Cords Same Makes as in Item no b.	Nos	12		
	S.I.T.C. of 7Ft. Factory Crimped Mounting Cords .Same Make as Item No b.	Nos	12		
	S.I.T.C. of 12 U VALRACK/PRESIDENT etc Network Rack with proper dressing of cables	Nos	1		
8	A.C POINT WIRING				

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	A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors. Each Ac will be connected through Inverter to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets,starter, testing all complete	NOS	5		
9	MISCELLENOUS WORKS				
9.2	4 Pole 63/100 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work	No	1		
	(A) TOTAL OF ELECTRICAL WORKS AT BRANCH				

PART B: ELECTRICAL WORKS FOR ATM

Sl. No	Description	Unit	Qty	Rate	Amount
A	ELECTRICAL WORKS				
	Note- All wires including Main Line, UPS Line, Cat-6 points should be drawn from the branch and no extra payment for the same shall be entertained in any ways and hence the contractor is advice to read the drawing or visit the site in advance before quoting the rates for the electrical works and the quoted rates shall be inclusive of all as mentioned above				
1	LED panel light- 36 W 2' x 2' PL (Back Lit Armstrong), Century Magic Light make with all accessories in complete.	2	Nos		
2	LED Down lights - RDL Series , 8W , Outer size (116x 36) mm of Century Magic Light make with all accessories in complete.(Including 2 nos in shutter boxing)	5	Nos		
3	Light point wiring with earth using 1.5 sq mm PVC copper Multistrand flexible wire all pulled through conceled PVC conduit with circuit wires	1	LS		
4	4 nos. 6 Amp one way switch with 4 module concealed backbox and plate for lighting (Anchor / Roma / Crabtree). This includes all the Switches for the light provided inside the Atm on Lumpsum basis and no payment per point wise will be entertained in this regards	1	Nos		
5	Power point wiring with earth using 2.5 sq mm PVC copper Multistrand flexible wire all pulled through conceled PVC conduit inclusive of 5/15 A switch, socket, back box, plate (2 Nos AC , 3 Nos UPS Pt for ATM machine, UPS i/p & o/p point ,Telephone and router,extra 1 nos.)	1	LS		
6	Fascia point Light point wiring with earth using 2.5 sq mm PVC copper Multistrand flexible wire all pulled through conceled PVC conduit with circuit wires	1	LS		

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7	Data Point using cat - 5 cables of systemax make data cable pulled through PVC conduits and concealed along with end termination with RJ-45 I/O socket AT&T compatible with back box and plate and 5' long patch chord with both ends crimped.	2	Nos		
8	Extra For Cat-6 Cable above 10Metre length	100	Mtr		
9	S & F 63 A Main Switch including necessary wiring all complete	1	Nos		
	(B) TOTAL OF ELECTRICAL WORKS AT ATM				
	GRAND TOTAL (A + B)				

Signature of the Contractor (with Seal)