

CANARA BANK

INVITATION TO TENDER

ONLY FOR EMPANELLED CONTRACTORS

OF

CIRCLE OFFICE KOLKATA

TENDER FROM ANY OTHER CONTRACTOR WILL BE SUMMARILY REJECTED

INSTRUCTION TO BIDDERS

AND

GENERAL CONDITIONS OF CONTRACT

FOR

ELECTRICAL WORKS

AT

CANARA BANK – CHASPARA BRANCH

TENDER NO.: 129/25-26/BDS

NAME OF THE CONTRACTOR:

.....

ADDRESS:

.....

SEAL & SIGNATURE OF TENDERER

NOTICE INVITING THE TENDER

To,

M/s

Sealed tenders on item rate basis are invited from panel Contractors for **Electrical Works at alternate premises of Chaspara Branch.**

Tender Documents may be obtained at free of cost from the Premises & Estate Section, Circle Office Canara Bank, Kolkata during working hours from **30.12.2025 till 08.01.2026.**

Earnest Money Deposit : NIL

Period of completion : 21 days

**Last date, time and place for Submission of tender : On or before 3:00 pm, 08.01.2026 to
The Assistant General Manager,
Premises & Estate section
Canara Bank, Circle Office
Kolkata**

Time and date of opening of tender : 3.30 pm on 08.01.2026

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 reason whatsoever.

**Assistant General Manager
Premises & Estate Section
Canara Bank, Circle Office
Kolkata**

.....

Date: 30.12.2025

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GENERAL RULES & INSTRUCTIONS TO TENDERERS

Name of the work: Electrical Works to be carried out at ALTERNATE PREMISES OF CHASPARA Branch

The rates quoted shall also be inclusive of materials, labour charges, work contract tax, surcharge and all the taxes except GST.

GST WILL BE PAID EXTRA.

The rates quoted by the tenderer shall hold good till the completion of the work from the date of issue of the "WORK ORDER" and no enhancement in the rates are allowed during the period of execution of the work under any circumstances. The rates quoted shall also cover for the work to be executed before and after office hours and also on holidays.

The time stipulated for the completion of the work is 21 days from the date of issue of the WORK ORDER and the work is to be carried out as per the convenience of occupants without disturbing other occupants of the building.

TENDERS:

The entire set of tender paper issued to the tenderer should be submitted fully priced and also signed on the last page together with initials on every page. Initials / signatures will indicate the acceptance of tender papers by the tenderers.

The schedule of quantities shall be filled in as follows:

- The "rate" column to be legibly filled in ink in both English figures and words.
- 'Amount' column to be filled in for each item and the amount for each sub-head as detailed in the "schedule of quantities".
- All corrections to be initialed.
- The "Rate" column for all the items shall be filled up.
- The "Amount" column for the items for which the quantities are not mentioned shall not be filled up.
- In case of any errors / omissions in the quoted rates, the rates mentioned in the tender in words shall be taken as correct rates.

No modifications, over-writings or corrections can be made in the tender papers by the tenderer, but may at his option offer his comment or modifications in a separate sheet of paper attached to the original tender papers.

The Bank reserves the right to reject the lowest or any tender or all of the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.

The tenderers should note that tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self – supporting. If called upon by the bank, detailed analysis of any or all the rates shall be submitted. The architects/bank shall not be bound to accept the contractor's analysis.

The Quantity mentioned in the BOQ is approximate measurements. The works will be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract.

All the items of work described in the schedule of quantities are to be deemed and paid as complete 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 charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of an item of works, the payment of such items of work will be made for the actual work done on the basis of lump-sum charges as assessed to be payable by the architects/bank.

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The bank has power to add or delete any work or described in specifications or included in schedule of quantities and intimates the same in writing but no addition, omissions or variation shall be made by the contractor without authorization from the bank. No variation shall vitiate the contract. The bank reserves the right to delete any of the items in the tender without assigning any reasons whatsoever.

The tenderer shall note that his tender shall remain open for consideration for a period of 90 days from the date of opening of tender.

AGREEMENT

The successful contractor is required to sign agreement as may be drawn up to suit the local conditions and shall pay for all the stamps and legal expenses incidental thereto. The original will be kept with the Bank and duplicate with contractor.

EARNEST MONEY AND SECURITY DEPOSIT:

There is NO Earnest Money Required to deposit/ submit along with the bids. Retention Money shall be deducted from the final bill at 5% of the gross value of bill. The Retention amount will be refunded to the contractor 15 days after the end of defects liability period provided he has satisfactorily carried out all the work and attended to the entire defect in accordance with the condition of the contract. No interest is allowed on Retention Money.

A part of the Security Deposit if and as decided by the constituent bank can also be furnished in the form of a Bank Guarantee on the bank other than that of the constituent bank.

CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:

The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of the quantities and specifications taken together weather the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the contractor finds any discrepancies therein he shall immediately and in writing, refer the same to the Architects/Bank whose decision shall be final and binding.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of works within the contemplation of the contract, and beyond the unit price. No extra payments will be allowed for incidental or contingent labour and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in tender documents

The contractor shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machineries and equipments and all necessary scaffolding, staging and lighting by night as well as by day required not only for proper execution and protection of the said work.

The contractor shall take down and remove any or all such scaffoldings as occasion shall be required or when ordered to do so, and shall fully reinstate and make good all matters and things disturbed during the execution of work to the satisfaction of architect/bank.

The contractor shall all times give access to workers employed by the bank or any men employed at site and to provide such parties with proper sufficient and if required, special scaffolding and ladder and provide them lighting as may be required to enable such workmen to inspect the work, lay or fix pipes, electrical wiring, special fittings etc. The quoted rates of tenderers shall accordingly include all these above-mentioned contingent works.

LIQUIDATED DAMAGES:

Should the work be not completed to the satisfaction of bank within the stipulated period, the contractor shall be bound pay the bank a sum calculated as given below by way of Liquidated Damages after the expiry of completion date

.1.00% of the estimated amount shown in the tender per week subject to a ceiling of 10% of the accepted contract sum.

TIME PERIOD FOR COMPLETION: 21 days from the date of award of work.
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FINAL PAYMENTS

The final bill shall be accompanied by a certificate of completion from the Occupant/Bank Officials. Payments of the final bill shall be made after deduction of retention money as specified in clause 9 of these conditions which sums shall be refunded after the completion of the defects liability period after receiving the banks certificate that the contractor has rectified all defects to the satisfaction of the banks. The acceptance of payments of the final bill by the contractor would indicate that he would have no further claims in respect of the work executed.

ESCALATION:

The rates quoted shall be firm throughout the tenure of the contract [including extension of time, if any granted] and will not be subject to any fluctuation due to increase in cost of materials, labour, sales tax, octroi etc, unless specifically provided in these documents.

CONTRACTORS EMPLOYEES:

The contractor shall employ technically qualify and competent supervisors for the work who shall be available [by turn] throughout the working hours to receive and comply with the instructions of the bank officials. The contractor shall engage at least one experienced engineer, as site in-charge for the execution of the work the contractor shall employ in connection with the work persons having appropriate skill or ability to perform their job efficiently. The contractor shall employ local labours on the work as far as possible. No laborers below age of 16 and who is not an Indian national shall be employed on the work. Any laborers supplied by the contractor to be engaged on the work on day-work basis either wholly or partly under the direct order or control of bank or its representative shall be deemed to a person employed by the contractor.

The contractor shall comply with provision of all labour legislation including the requirements of

- a. Payments of minimum wages act
- b. Employers liabilities
- c. Workmen's compensation act
- d. Contract labour (regulation and abolition) act, 1970 and central rules 1971
- e. Apprentices act 1961
- f. Any other act or enactment relating thereto and rules framed there under from time to time

The contractor shall keep the bank saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the bank in connection with any claim that may be made by any workmen.

The contractor shall comply at his own cost with the order of requirement of any health officer of state or any local authority or of the bank regarding the maintenance of proper environmental sanitary condition of the area.

The contractor shall arrange to provide first aid treatment to the laborers engaged on the works. He shall within 24 hrs of occurrence of any accident at or about the site or in connection with execution of work, report such accidents to the bank and also the competent authority where such report is required by law.

The contractor shall obtain all Risk Insurance Policy at their cost within 7 days of commencement of work, for the laborers/workmen working at the site including the work till the work is completed. The policy shall be in the joint name of the Bank and contractor and Bank's name shall appear First.

PAYMENTS:

The contractor, in the form prescribed by the bank shall prepare all the bills and submit the same to Bank with measurement of work. Normally one interim bill shall be prepared each month. Bank may release payment within 15 days of receipt of bills/after check measurement, after deduction of retention money, Income Tax etc. The contractor shall have a competent engineer at site for the supervision of the work.

The contractor shall have to make his own arrangements for watch and ward of the work/building, till the work is handed over to the bank.

The decision of the bank will be final and binding with regard to the quality of work is concerned.

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The contractor is responsible for procuring the required materials for the work and stores the same at site at his cost and risk.

The amount stated in the interim certificate shall be the 75% of total value of the work executed up to date of the bill, less the amount to be retained by the bank as retention money. If the bank has supplied any materials or goods to the contractors, the cost of such materials will be progressively deducted from the amount due to the contractor on accordance with the quantities consumed in the work. All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for works actually done and completed and shall not preclude the requiring of bad, unsound or imperfect or unskilled work to be removed and taken away and reconstructed or re-erected or be considered as an admission of the due performance of the contract or any part there of if any respect or accruing of any claim nor shall it conclude, determine of effect in any way the power if the bank under conditions or any of them add to the final settlement and adjustment of the accounts or otherwise or in any other way or affect the contract.

The contractor shall submit the final bill within one month from the date of completion of the work. A certificate of completion from the bank shall accompany the final bill. The payment of the final bill shall be made after deduction of retention money as specified elsewhere in these documents.

ARBITRATION:

All disputes or differences of any kind whatsoever which shall at any time arise between the parties here to touching or concerning the works or the execution or maintenance thereof of this contract or the rights touching or concerning the works or the execution of maintenance thereof of this contractor or the construction remaining operation or effect thereof or to the rights or liabilities of the parties are arising out of or in relation thereto whether during or after determination foreclosure or branch of the contract[other than those in respect of which the decision of any person is by the contract expressed to be final and binding] shall after written notice by either party to the contract to the other of them and to the employer hereinafter mention to deal referred for adjudication to a sour arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole arbitrator referred to above, the employer will send within 30 days of receipt of the notice, to the contractor a panel of 3 names of persons who shall be presently unconnected with the organization for which the work is executed.

The contractor shall on receipt of the names as aforesaid, select, anyone of the person's name to be appointed as a sole arbitrator and communicate his name to the employer within 30 days of the receipt of the names. The employer shall thereupon without any delay appoint the person as the sole arbitrator. If the contractor fails to communicate such selection as provided above within the period specified, the competent authority shall make the selection and appoint the selected person as the sole arbitrator.

If the employer fails to send to the contractor the panel of 3 names as a foresaid within the period specified, the contractor shall send to the employer a panel of 3 names of persons who shall be unconnected with either party. The employer shall on receipt of the name as a foresaid select anyone of the person's names and appoint him sole arbitrator. If the employer fails to select the person and appoint him as a sole arbitrator within 30 days of the receipt of the panel and inform the contractor accordingly, the contractor shall be entitled to appoint one of the persons from the panel as the sole arbitrator and communicate his name to the employer.

If the arbitrator as appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed as aforesaid.

The work under contract shall, however, continue during arbitration proceedings and payment due or payable to the contractor shall be withheld on account of such proceedings.

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The arbitrator shall be deemed to have entered on the reference the data he issued notice to both the parties fixing the date of the first hearing.

The arbitrator may from time to time, with the consent of parties, enlarge the time or making and publishing the award.

The arbitrator shall give a separate award of each disputes or difference referred to him. The arbitrator shall decide each dispute in accordance with the terms of the contract and give a reasonable award. The venue of arbitration shall be such place as may be fixed by the arbitrator in his sole discretion.

The fee, if any, of the arbitrator shall, if required to be paid before the award is made and published, be half and half by each of the parties. The cost of the reference and of the award including the fees, if any, of the arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle the amount of costs to be so paid.

The award of the arbitrator shall be final and binding on both the parties.

Subject to aforesaid the provision of the arbitration act 1940 or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitration proceeding under this clause.

The employer and the contractor hereby also agree that arbitration under the clause shall be a condition precedent to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.

Date:

**Signature of the Contractor
With seal and address**

SCHEDULE OF ELECTRICAL WORKS AT ALTERNATE PREMISES OF CHASPARA BRANCH & ATM					
SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
A	<u>PANEL & DISTRIBUTION BOARDS.</u>				
1	Supplying, Fabricating, assembling, inter-connecting, testing and connecting with incoming and outgoing power cables and lines as required to complete the job of CUBICAL TYPE ELECTRICAL PANEL made from 14 SWG CRC M.S sheet with proper earthing terminal(Nut-bolt and washer)-02 nos. outside panel, same nut-bolt to tighten with internal earth bus-bar of panelsituated inside loose wire box (on top portion of the panel). On top side of the panel, cable entry arrangement is to be done for incoming and outgoing of lines. One 6" x 4" enamel type 440 Volts danger board to be fixed on the main panel busbar cover. All switches are front handle operated and all MCB knob should be visible. All componenets are to be provided in separate compartment and only DBs in one compartment. The main components are	Each	1		
a	63 AMPs MCCB, 35 Kva as main	Set	1		
b	63 AMPs 4 Pole Cu. Busbar	Set	1		
c	63 AMPs 4pole change over switch	Each	1		
d	40 A D.P MCB (For 5 Kva Ups)	Each	2		
e	32 AMPs DP MCB as glow sign board main	Each	1		
f	AMPs meter 0-100 AMPs with 3 Nos. CT & selector switch 96 x 96 mm-01 set (A.E make) (CT ratio 100/5) A.E. make	Set	1		
g	Voltmeter-0-500 Volt A.C. 50 Hertz 96 x96 mm with selector switch (A.E make)-01 set	Set	1		
h	22 mm dia LED indicator Lamp	Each	6		
i	02 AMPs sliding fuse	Set	6		
j	150 x 100 mm enamel danger board 440 Volt(to set on bus bar cover)	Each	1		
k	6-WAY TPN MCB DB with 63 TP & N MCB as main (Power DB)25 A SPMCB-10 Nos.,20 AMPs SP MCB-06 Nos.,16 A SPMCB-02 Nos.,Neutral Bar-01 set	Each	1		
l	4-WAY TP& N MCB DB with 40 TP& N MCB as main (Lighting DB)16 AMPs SP MCB-03 Nos., 10 AMPs SP MCB-09 Nos., Neutral Bar- 1 set	Each	1		
m	4-WAY TP& N MCB DB with 63 TP& N MCB as main (Ac DB)20 AMPs SP MCB-04 Nos., Neutral Bar- 1 set .	Each	1		
2	Supply and fixing of 63 AMPs TPN HRC type at WSEB for main incoming on MS angle frame and 02 nos. cable end box including connection	Each	1		

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3	Supplying, installation and Termination of UPS out-going power distribution system with 12 way SPN DB comprising of 10 x 10 AMPs SP MCB and 32 AMPs DP RCBO 300 MA as main (MDS make) IP-42 protection with double door. Power is to be taken from existing DB.	Each	2		
B	<u>CABLES AND CABLE END TERMINATION</u>				
1	Supply & Fixing 3.5 C X 35 Sqmm Al. Ar. Cable From Meter room to Panel	Mtr	10.00		
2	Supply & Fixing 3.5 C X 25 Sqmm Al. Ar. Cable From panel to power DB	Mtr	10.00		
3	Supply & Fixing 4.0 C X 10Sqmm Al. Ar. Cable From Panel to Lighting DB	Mtr	20.00		
4	Supply & Fixing 3.0 C X 6 Sqmm Cu. PVC Insulated wire in PVC Conduit (from panel to UPS)	Mtr	25.00		
5	Supply & Fixing 3.0 C X 6 Sqmm Cu. PVC Insulated wire in PVC Conduit (from UPS to UPS DB)	Mtr	20.00		
6	Supply & Fixing Cable End Termination.				
	3.5 C X 35 Sqmm. Ar.	Nos	2		
b	3.5 C X 25 Sqmm. Ar.	Nos	4		
c	4.0 C X 10 Sqmm Ar.	Nos	2		
d	3.0 C X 6 Sqmm Cu.	Nos	8		
C	<u>WIRING</u>				
1	Wiring for Light Point with 20 mm PVC pipe with 2x1.5 Sqmm wire and 1x1.5 Sqmm green earth wire for light Points as reqd. complete with modular switch with front plate				
a	One light controlled by 6A switch	Nos.	44		
b	Two light controlled by 6A switch	Nos.	10		
d	Exhaust fan point with 6 A sw complete with modular switch plate & M.S conceal box & 3 pin ceiling rose	Nos.	4		
e	Fan point (wall & ceiling) complete with modular switch plate & M.S conceal box & 3 pin ceiling rose	Nos.	2		
f	Call bell point with push type switch, modular plate & M.S. conceal box with buzzer or ding dong type bell	Nos.	1		
2	RAW POINT WIRING-The wiring shall pass through PVC pipe of 20 mm dia with ISI mark to conceal on wall below false ceiling mending good all the damage				
a	Supply, laying of circuit line 2x2.5 sq.mm +1 x 1.5 Sq.mm PVC insulated copper wire from MCB type lighting DB to 6 amp plug points (3 nos. 6 Amps plugs to be connected from one circuit line)	Mts.	200		
b	Modular type 6 A switch with 6A 5 pin socket . Mounted on suitable front plate	Nos.	10		

c	Wiring for Power Point 6/16 A Switch & Socket with 25mm PVC pipe with 2x2.5 Sqmm wire and 1x1.5 Sqmm green earth wire for Power Points as reqd. This line has to be drawn from the power DB. (02 nos. plugs to be connected with one circuit)	Mtr	200		
d	Modular type 6/16 A switch. with 16A 5 pin socket . Mounted on suitable front plate	Nos.	11		
D	<u>UPS WIRING</u>	-	-	-	-
a	Wiring for Power Point 6/16 A Switch & Socket with 25mm PVC pipe with 2x2.5 Sqmm wire and 1x1.5 Sqmm green earth wire through PVC casing 20 mm dia 16 SWG with ISI mark to lay from UPS MCB DB to plug point board	Mtr	210		
b	Supply and fixing of 2 x 6 Amps 5 pin socket + 1 x 16 amps 6 pin socket in single board (under table) + 1 x 16 A switch (Modular switch + socket) in another board above table as per direction	Set	10		
c	Do- but 3 x 6/16 , 6 pin socket with three control switch to provide near HUB Rack and line printer to be connected from UPS power.	Set	2		
d	Supplying, installation of UPS incoming 32 Amps industrial socket with 32 Amps SPMCB (2 nos. for out going and 2 nos. for incoming)	Nos.	4		
E	<u>FIXTURES.</u>	-	-	-	-
1	Supply and fixing 2'-0"x2'-0" Surface LED (36 Watt)	Nos.	16		
2	Supply and Fixing of 1x22 Watts 4' length Slim Hunging LED Tube Light	Nos.	15		
4	Supply and Fixing of 1x36/40 Watts 2' length Slim Tube Light for Coffe Lights. cash	Nos.	1		
5	Supply and Fixing of Modular Downlighter of 170mm size with 15 watts LED Fixtures.	Nos.	29		
6	Supply and fixing 9" heavy duty exhaust fan with louvre in toilet / pantry inclusive of hole cutting in the wall and finished with plastering complete	Nos.	3		
7	Supply and fixing Wall bracket fan 400 mm. dia (metal body) complete with all fitting and mending good all damages	Nos.	10		
8	Supply and fixing Ceiling Hung fan (1200 mm) dia complete with all fitting and mending good all damages	Nos.	2		
F	<u>AIR-CONDITIONING SYSTEM</u>	-	-	-	-
1	Suppy & fixing of starter with 3 pin plug in recessed MS box suitable for 2.0 TR AC/1.5 TR AC	Nos.	5		
2	Supply and Fixing in 25mm PVC Pipe with 3x 6 Sqmm Cu. Cable For Single phase A/C Point Complete & reqd.	Mtr	120.00		
H	<u>GLOW SIGN BOARD</u>	-	-	-	-
a	Supplying, laying of main line with 2 x 2.5 sq. mm + 1 x 1.5 sq. mm through M.S conduit from main panel to glow sign board	Mtr	30.00		

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b	Supplying , fixing of 16 Amps DP MCB at main entrance with Glow sign board timer (24 hours in original housing)	set	1		
I	<u>EARTHING</u>				
1	Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing.	Mtr.	40.00		
2	Supply & Fixing 25x 3 mm GI Earth Strip 2no,Earth pit to Panel.	Mtr.	20.00		
3	Providing Row earthing station at location as called for including providing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI manhole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm	Nos.	1		
4	Providing UPS earthing station at location as called for including providing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI manhole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equipment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm	Nos.	1		
	<u>ELECTRICAL WORK IN ATM</u>				
1	<u>MCB DISTRIBUTION BOARD</u>				
	Supply and installation of following consumer unit Distribution Board with MCB having breading capacity of RCCB of 300 mA sensitivity having over load, shouldloakage protection complete with busber, interconnection on flat iron frame on wall/flushed with finished wall mending good to original finish, paintingetc as required.				
1.1	<u>LIGHTING DISTRIBUTION BOARD (LDB)</u>				
	TPN 4 way MCB DB complete with busber and the following MCBs :				
	<u>INCOMING</u>				
	1 No. 415 V 63A TPN MCB				
	<u>Outgoing</u>				
	4 Nos 240 V 32 A SP MCB				
	2 Nos 240 V 16 A SP MCB				
	3 Nos 240 V 10 A SP MCB	No	1		

1.2	<u>UPS DISTRIBUTION BOARD (UPSDB)</u>				
	SPN 8 way MCCB DB complete with busbar and the following				
	<u>INCOMING</u>				
	1 No. 240 V 25 A DP MCB (300 mA)				
	<u>OUTGOING</u>				
	4 Nos. 240 V 16 A SP MCB	No	1		
2	<u>INDUSTRIAL TYPE METAL CLAD SOCKET DB(ISDB)</u>				
	Supplying, installation, testing and commissioning of following MCB controlled industrial type metal clad socket with plug top installed on wall (For UPS incoming terminals only)				
2.1	The DB consists of the following:				
	1 No. 32A 3 pin industrial type socket with matching plug				
	1 No. 25A SP MCB (10KA min)	No	2		
3	<u>A C POWER POINT WIRING</u>				
	Wiring for AC power point with 1100 volt grade single core 2 x 4 Sqmm + 1 x. 2.5 sqmm (green colour for earth) PVC insulated flexible copper conductor cables (IS : 694) through suitable embossed on conduit surface) partly through wall/embedded in floor by chase cutting from AC timer switch board to AC power point. The work includes supply and fixing of 25A 3 pin metal socket 25A matching plug. 20A starter in suitable size mounting box with front plate AC Power unit concealed in wall and flushed with finished wall surface including making good all damages to painting etc. as required to be completed in all respect.	No	2		
4	<u>SUBMAIN WIRING</u>				
	Submain wiring with 1100 V grade single core PVC following sizes PVC insulated flexible copper conductor cable conforming to IS 694 through suitable size M.S conduit and conduit accessories partly on surface (above false ceiling)with M.S. Bar saddles partly through partition and partly concealed in wall embedded in floor by chase cutting, mending good all damages as required to be completed in all respect.				
	With 2 Nos. 6 sqm + 1 No. 4 sqm PVC insulated copper wire.	Mtr	10.00		
5	<u>WIRING FOR ATM/V - SAT POWER SOCKET OUTLET</u>				
	ATM/V - SAT power socket outlet cluster point wiring with 1100 volt grade 3 Nos. single core (1 for earth green colour) 2.5 sqm copper conductor cable conforming to IS:694 through suitable size PVC conduit partly on surface (above false ceiling) with M.S. bar saddles , partly through partition and partly concealed in wall/embedded in floor by chase cutting from UPSDB to socket cluster including interconnection mending good damages as required.				

	4 Nos. 16/6A 3 pin moduler type shuttered socket.				
	4 Nos 16A moduler type Switch with indicator.				
	1 Nos front plate of suitable size.				
	1 Nos Mounting box of suitable size.	Nos	1		
6	POINT WIRING FOR LIGHT & 6A SOCKET				
	Point wiring for light & 6A socket outlet with 1100 V grade (1 for Phase) 1 for common neutral and for 1 for earth (green colour) by looping method single core 1.5 sqm PVC insulated flexible copper conductor cable through suitable size PVC Conduit as required partly on partly through partition and partly concealed in wall from lighting switch board timer switch board etc. on partition/ wall including supply of all materials such as modular type 5 pin 6A socket outlet, 6A swicth , suitable mounting box, front plate as required for each light and 6A socket outlet point unless otherwise stated. The point wiring also includes circuit wiring with 1100 V grade 2 nos single core 2.5 sqm + 1 No single core 1.5 sqm (green) PVC insulated copper conductor cable through suitable size PVC conduit from LDB to respective sitch board/ outlet complete.				
	a) Light point (all type)	Nos	6		
	b)ATM Board/Logo Board/Glow Sign Board point	Nos	1		
	c) 5 pin 6A moduler type socket with switch on light switch board.	Nos	1		
7	EARTHING				
	Earthing the ATM DB as per I.E.rules conforming to IS 3043 or latest amendment by making earth station with 450mm x 450mm x 3mm thick copper plate electrode to be installed such that its top edge shall be at a minimum depth of 3 mtr below ground level after preparation of ground with charcoal and salt complete with copper bolts of suitable length double nuts and washers including supply & fixing of 50mm dia partly perforated G.I.pipe with funnel for watering arrangement. The earthing installation should be provided with 300 mm x 300mm x 300mm depth inside dimension masonry inspection pit with C.I.Hinged cover.	Nos	1		
8	Supply and laying of 1 x 16 sqm PVC insulated copper earth lead-in cable partly on wall surface/partly through 25 mm dia G.I. Conduit to be laid at an average depth of 500mm below ground level including connection with copper plate & UPS DB by means of sockets, tapes etc as required. Minimum clearance between wall surface and copper earth lead-in-cable should be 6mm.	Mtr	15.00		
9	Supply & fixing the following light fittings recessed in false ceiling including interconnection with 3 nos 1.5 sqm PVC insulated copper wire through M.S. conduit				

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	complete.				
a)	1x36 watt LED based square light fittings.	Each	1		
b)	1x15 W LED down lighter fittings.	Each	5		
A	TOTAL EXCLUSIVE OF GST				
B	DISCOUNT IF ANY				
C	TOTAL AFTER DISCOUNT (A-B)				
D	GST				
E	TOTAL INCLUSIVE OF GST (C + D)				

APPROVED MAKE OF MATERIALS

1	Switch fuse units (HRC)	LEGRAND / SEIMENS / HAVELLS
2	Timer (TSQ 100)	L & T / HAVELLS
3	Voltmeter & Ammeter	A. E. / IMP
4	Voltmeter & Ammeter selector switches	KAYCEE / L & T
5	Phase indicating lamp	Vaishno / SIEMENS / ROSS controls
6	Capacitor	CROMPTON / SIEMENS
7	HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
8	Power Cable : XLPE	FINOLEX / POLYCAB/HAVELLS / NICCO
9	HRC fuse base & carriers.	GE power / SIEMENS / L & T / SCHNEIDER
10	1.1 KV grade PVC insulated armoured aluminium cable (ISI marked)	GLOSTER / NATIONAL / NICCO / HAVELLS
11	1.1KV / 600V grade PVC insulated & sheathed / insulated copper wire & flexible cords (ISI marked).	FINOLEX / HAVELLS
12	RCCB / ELCB / MCCB	LEGRAND / SEIMENS / HAVELLS
13	Moulded case circuit breaker	LEGRAND / SEIMENS / HAVELLS
14	RCCB / ELCB	LEGRAND / SEIMENS / HAVELLS
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	LEGRAND / SEIMENS / HAVELLS
16	Isolator	LEGRAND / SEIMENS / HAVELLS
17	Changeover switch (on load type)	LEGRAND / SEIMENS / HAVELLS
18	MCB distribution board	LEGRAND / SEIMENS / HAVELLS
19	6/16 Amp modular type switch / flushed type plug socket	Gold Medal / CRABTREE
20	6/16 Amp modular switch / socket, module plate & mounting M.S. / PVC box.	Gold Medal / CRABTREE
21	16/25 Amp., 2 module electronic regulator	Gold Medal / CRABTREE
22	Ceiling rose	KAY / EPP / ANCHOR / JJ
23	Holder	KAY / EPP / ANCHOR / JJ
24	Alarm bell	KHERAJ / GETCO
25	Black enamelled Steel conduits (conforming to IS in all respects)	BEC / SUPREME / AKG
26	Compression type brass gland	DOWELLS / JOHNSON / COMET
27	Cable termination socket	DOWELL'S
28	Light fitting & lamps	PHILLIPS / HAVELLS
29	Ceiling / Wall Mounted Fan	CROMPTON / ORIENT / HAVELL'S

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30	Exhaust fan	CROMPTON / ORIENT / HAVELL'S
31	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
32	Telephone wire	FINOLEX / RRK / NATIONAL
33	Starters	NORTH WEST / CABTREE
34	All other items not covered above	As per sample approved by Employer/Consultant

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