

GENERAL ADMINISTRATION SECTION
CANARA BANK, 2ND FLOOR, B WING,
BKC, CIRCLE OFFICE, BANDRA (E), MUMBAI
PH. NO.- 022-26728407/8443; email-premisescomcity@canarabank.com/
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Date: 02.04.2025

ELECTRICAL WORKS CANARA BANK REGIONAL OFFICE NAVI MUMBAI & MSME SULABH, A WING 2ND FLOOR 201 TO 210 & B WING 208 MAHAAVIR ICON, CBD BELAPUR, SEC 15, PLOT 89 & 90, NAVI MUMBAI 400614. (TENDER REF NO: 29/RO NAVI MUMBAI ELECTRICAL/CO/BKC/24-25 Dated 24.03.2025)

CLARIFICATIONS FOR THE PRE BID QUERIES HELD ON 27.03.2025, CORRIGENDUM TO TENDER DOCUMENT & EXTENSION OF TIME.

This Corrigendum shall form a part of and shall be read with tender/ contract documents and shall become part of the contract and shall be signed on every page and shall be enclosed with the bid.

In case of any discrepancy between this Corrigendum and other tender/ contract documents, the former shall prevail.

All the tender terms and conditions other than those modified in this Corrigendum remain unchanged.

The last date of submission of tender is extended till 11.04.2025 up to 3:00 PM .


ASSISTANT GENERAL MANAGER



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CLARIFICATIONS FOR THE PRE BID QUERIES

S.NO	PRE-BID QUERRIES	CLARIFICATIONS
1	In BOQ Sr no 1 , 2 , 3 3A , 3B , 4 : circuit wiring has been mentioned but Circuit wiring has also been mentioned in BOQ Sr No 35.	In BOQ Sr. No. 1,2,3, 3A, 3B , 4 details including circuit wiring is mentioned. But the circuit wiring measurement and remuneration will be based on point no 35 & 36
2	In BOQ Sr. no 11 : wiring for glow signed board : 3 x1.5sqmm considered but it will 2 x 4.0sqmm wire	Provided wire sizes are adequate.
3	In BOQ Sr no 12 : Panel board it has been mentioned 100AMP 4 Pole MCCB MSME , but it must be separate & supply will from meter cabin to MSME	It is proposed to have one main panel housed in RO portion, sub main panel for MSME portion and separate MCB for RO area.
4	Power factor rating has been not mentioned in BOQ. please confirm the kvar (4 step)	The capacity requirement is 50KVAR. The rating for power factor panel should be >95<1. Also vendors are requested to quote rate only per KVAR for any additional requirement.
5	In BOQ Sr no 14 : MCB rating has mentioned 6 k.a but it should be 10 k.a. consider 8 way VTPN DB in place of 8 way TPN DB. consider the 63AMP 4 Pole MCCB in place of 63 AMP 4 Pole MCB	6 KA is correct.
6	in Boq Sr. No 15 & 16 : MCB rating has mentioned 6 k.a but it should be 10 k.a.	6 KA is correct.
7	in Boq sr no 18 : quantity should be 2 set instead of 4	Quantity is correct.



8	Sr no 20 - A : Floor raceway size 3"x1.5"x 3mm but it should be 75mm x 38mm x 2mm	Provided size of raceway is correct.
9	Sr no 20 - 3 : floor Junction Box size 300mm x 300mm x 2.5mm but it should be 300mm x 300mm x 50mm & fabricated outer side will 2mm	Kindly read it as size of junction box required is 300 x 300 mm made by using GL Sheet of mentioned thickness. These junction boxes have depth ranging from 50-75 mm.
10	Sr no 31 : cable size mentioned 150 sq mm x 3.5c , but consider cable size 185sqmm x 4c aluminum armored cable	150 sq mm x 3.5 core is replaced with 185 mm x 3.5 core aluminum armored cable.
11	Sr no 31 - 1 : cable size mentioned 25 sq mm x 4c , but consider cable size 50sqmm x 4c aluminum armored cable	Provide size is correct.
12	Sr no 32 : which cable will consider 4c x 10 sq mm or 6sqmm x 4c	6 sq mm is for Light DB & 10 sq mm for power DB. Bifurcation of measurement is mentioned in revised BOQ as per Corrigendum.
13	Sr no 33 : mentioned cable quantity high as actual	This is proposed quantity as per estimate, final requirement will be as per site condition.
14	Sr no 37 : consider the telephone cable size 2 pair or 4 pair, why 10 pair mentioned krone box (tag box) size in separate item	10 pair is as per bank's requirement. S & I of tag box is part of the specification.
15	Separate power connection should be there for RO & MSME as both are separate office	Please see reply under Sr. No 03
16	Sr no 3,3a. how many tables are allowed in a single circuit wiring looping ?	The maximum number of the Tables which can be looped are 3



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CORRIGENDUM

1. The revised BOQ is attached. The bidder to submit the rate in the revised BOQ.
2. The last date for submission of duly filled tender is extended to 11.04.2025 upto 03: 00 PM.

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Revised BOQ for the Electrical works to be Carried out at New Regional office & MSME of Canara Bank at CBD Belapur.	
	This project is one of the important project and has to be Completed within the mentioned Time duration. The vendors quoting the rates will be required to provide the documentary evidence of their purchases of the mentioned/ approved makes as mentioned in the Tender. The vendors will have to submit the PERT Chart as a Road Map for carrying out their works, thus they are ought to provide the schedule of works so that the works are completed within the given time.
	The verification/lab test of the material can be called any time for realizing the factual status of the used materials. The contractor will prepare every shop drawings/ modals/mockup detailing the Power, Load & Current Distribution, before the works and get it approved by the Architect/Banks engineer/Consultant before starting the works. Similarly, the Vendor is required to submit every drawing of each works completed by him, along with the detail of the materials used. The costing of the commodities as under stated is based on the ISO standards & specifications of the material.
	The Vendor is required to submit the weekly report of works in advance and get the desired approval from the Architect/consultant. The vendor is liable to get Every sample material used in the works, to be got approved by the Architect/ consultant. Which does mean that the vendor is committed to use the approved materials only.
	The contractors quoting below 15% of the estimated cost will be required to submit Performance warranty equivalent to 10% of the estimated cost of works which will only be released after the issuance of successful completion letter of the Architect/ Consultant. The cost of Providing all the related drawings, carrying the wires, cables through the cable trays, providing body earthing, Lab tests of the material, numbering the wires by ferules, crimping the wires by using lugs are the part of the works. The inclusion of the amount incurred in doing these works is the part of the Electrical works. Nothing extra will be paid for it.
	All the Approved design & modals of hardware's are to be of SS 302 Grade. The Nails and screws made up of SS Grade will only be permitted. The FRLS Grade of wires & Cables will only be permitted.

SIGNATURE & SEAL OF VENDOR

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<p>The vendor is required to use only, the approved make as provided in tender or get it approved before using them by the Appointed Architect/consultant in writing. The improper use of the unapproved material may lead to entire replacement of the works or imposition of the penalty as per the decision of the appointed Architect/consultant. The VENDOR has no right by whatsoever means to ask for any clarification on the amount if the penalty. He cannot even ask for the intervention of court etc. as this will be treated as the infringement of the Articles of the Tender specifications regarding the usage of material.</p>					
<p>The Participating vendors are requested for filling authentic rates. If the Bank/ Architect/Consultant finds the rates to be not workable (In case they have quoted abnormally too high or too low) than the costing analysis will be asked by the Vendor. The cost analysis submitted by the Vendor will be analyzed by the Consultant/ Architect and than only the Vendor will be issued the works. If the quoted rates are summarily below the 15 % than the provided Estimated rates than the Vendor will have to submit the Performance Bank Guarantee of 10% of the estimated cost which will only be released by the Bank after the issuance of works successful completion letter by, issued by the Consultant/ Bank Engineer. The tenderer are required to understand the Tender Guidelines before quoting for the works.</p>					
S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/U NIT	GROSS AMOUNT
<p>Responsibility of Vendor- The entire list of materials and its samples are required to be authenticated by the vendor and have a rotten approval of the same. The samples can be checked from time to time and if the samples are not found as authenticated to be used than the vendor will either have to change the entire material on his won cost or heavy penalty for making fasle attempt in works will be imposed by the Architect/consultant. The cost of testing of the material will be borne by the Vendor. The testing will be done by the NABL/ Government approved Lab for the purpose which will be finalized by the appointed Architect/consultant. All the wiring is to be carried out under the approved and registered Wireman having authentic license. The supervision of the entire works is to be carried out under the electrical engineer having at least 5 years of working experience with a diploma on electrical engineering or BE/ Graduate degree in electrical engineering with a minimum of 2 years experience in the field.</p>					
S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/U NIT	GROSS AMOUNT
<p>Electrical Wiring :- It is to be laid as shown in the design. No joints in the wires will be accepted from the switch to the source. Conduit used in wiring will be of heavy duty i.e. pure white, ISI marked. The conduit are to be laid on the Cable Trench made up of slotted angle . While quoting the rates Please take the aforesaid points in your consideration. The works are to be carried out strictly as per the drawings and designs provided. These are strictly to be done as referenced in the corresponding I.E Rules. The contractor will be required to submit the Pert Chart for completing the jobs.. All the SLD Drawings, Panel Drawings, Distribution Boards design are got to be submitted and approved by the Engineering Consultant. The total load chart and their distribution system comprising of every detail along with Circuit Number, MCB Number as provided in partiality with the help of the ferule on site are to submitted in As-Bult form. 5 Copies of the same are required to be submitted on A1 Sheet . This is mandatory before the clearance of the Final Bill of works. This is the prestigious project and has to be carried out on fast Track basis. The time of Completion will be the essence of this project.</p>					



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	Note : The vendors before quoting the rates should visit the site because the dismantling of the entire Electrical works and its disposal is to be done at their end. The Buy back charges are to be quoted for the said works. The Bank will not pay any extra charges for demolition and disposal of the items, in the Branch/ Premises. The disposal is to be done as Per the local Governing body.				
	The costing of the commodities is based on the CPWD/DSR 2018 AND Market Rate Analysis . The contractors will be required to get the samples checked and approved by the Architect/Consultant, only.				
A	<u>Wiring</u>				

S.N	BRIEF DESCRIPTION OF WORKS	QNT Y	UNIT	RATES/ U NIT	GROSS AMOUN T
1	Wiring of Primary electrical points using FRLS wires (2 x 1.5)sq mm + (1x1.5)sq mm Copper conductor wire in surface or recessed in medium class conduit, to give a requisite insulation. The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of 5 ampere universal modular switch fixed on modular plate with all the materials & labor required for completion of work in every aspect. Maximum of 2 Lights can be looped. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copper FRLS wires. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	95.00	nos.		
2	Wiring of Secondary electrical points (looping of maximum of 2 nos of 28 watt Down lighter or 4 No of 15 watt Spot light or 6 No of 9 watt, 10 No of 3 Watt Light, can be looped in this case, as per the instructions of the Architect) using FRLS wires (2 x 1.5)sq mm + (1x1.5)sq mm Copper conductor wire in surface or recessed in medium class conduit, to give a required insulation. The single length wires to be laid from the switch to the source. The work is to be done in accordance with IE Rules. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copper FRLS wires. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. The quoted rates shall be inclusive of 5 ampere universal modular switch fixed on modular plate with	121.00	nos		

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	all the materials & labor required for completion of work in every aspect.				
3	2 no 5 Amp Switch & 1 no 5 Socket with Indicator on the Table/Counter - - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Wiring of electrical point using FRLS Wires(2x1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in conduit in surface or recessed in medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copperFRLS wires.The quoted rates shall be inclusive of 2 no of 5 ampere universal modular switch & socket in all the materials & labor with all the materials &labour required for completion of work in every aspect..The one number switch is given to connect light of the module on whih its placed.	110.0 0	Nos		
A	1 no 15 Amp Switch & 4 no 5 Amp Socket with Indicator below the Table/Counter - - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Wiring of electrical point using FRLS Wires(2x1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in conduit in surface or recessedin medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copperFRLS wires.The quoted rates shall be inclusive of 2 no of 5 ampere universal modular switch & socket in all the materials & labor with all the materials &labour required for completion of work in every aspect..The one number switch is given to connect light of the module on whih its placed.	110.0 0	Nos		
B	5 Amp Switch & Socket wiring on Swiith board- The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Wiring of electrical point using FRLS Wires(2x1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in conduit in surface or recessedin medium class conduit, to give a requisite	25.00	nos.		



	<p>insulation. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copperFRLS wires.The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of 5 ampere universal modular switch & socket in all the materials & labor with all the materials &labour required for completion of work in every aspect..</p>				
4	<p>Wiring of Power points using FRLS wires (2x2.5) sq mm + (1x2.5) sq mm Copper conductor FRLS wire in medium class conduit to give a requisite insulation. The quoted rates are for the wiring points to be considered from switch to source, as as a single point. The rates shall be inclusive of 15 ampere universal modular switch & socket fixed on modular plate with all the materials & labor required for completion of work in every aspect. The work is to be done in accordance with IE Rules. The body earthing of every component is required . Circuit wiring to be provided by using 2x4 sq.mm + 1x4 sq.mm copperFRLS wires. No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.</p>	12.00	nos		
5	<p>Wiring For VRV INDOOR UNITS 5 Amp Switch & Universal Socket wiring - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.Wiring of electrical point using FRLS Wires(2x1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in conduit in surface or recessedin medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copperFRLS wires.The quoted rates shall be inclusive of 5 ampere universal modular switch & socket in all the materials & labor with all the materials &labour required for completion of work in every aspect..</p>	26.00	nos		

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6	Wiring of Exhaust fan points using FRLS wires(2x 1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in surface or recessed in medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of 5 ampere universal modular switch & socket in all the materials & labor with all the materials & labour required for completion of work in every aspect..having wall thickness of 2mm, to give a requisite insulation. The single length wires to be laid from the switch to the source. Circuit wiring to be provided by using 2x2.5 sq.mm +1x2.5 sq.mm copper FRLS wires.The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	9	nos.		
7	Wiring of Wall fans/Ceiling fans using FRLS Wires (2 x 1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in surface or recessed in medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of 5 ampere universal modular switch & socket in all the materials & labor with all the materials & labour required for completion of work in every aspect..having wall thickness of 2mm, to give a requisite insulation. The single length wires to be laid from the switch to the source. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	21.00	nos.		
8	Wiring of Bell points: The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Bell points including the cost of the Bell, using FRLS Wires(2x1.5) sq mm + (1x1.5) sq mm Copper conductor FRLS wire in conduit in surface or recessed in medium class conduit, to give a requisite insulation. . The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of 5 ampere universal modular switch & socket in all the materials & labor with all the materials & labour required for completion of work in every aspect..having wall thickness of 2mm, to give a requisite insulation. The single length wires to be laid from the switch to the source.	8.00	nos.		

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9	Wiring of Glow sign Board by using FRLS Wires 3 X 1.5 mm +1x 1.5 mm wire for earthing . These are to be conducted through a conduit having wall thickness of 2mm, . The connections are to be made using the timer and directly through DPMCB of 10 Amp in a panel board to the source.The quoted rates include providing all the accessories such as timer, Wires ,conduitetc& doing its wiring to the satisfaction of the architect/Consultant. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	2.00	nos.		
10	PANEL BOARDS				
	Panel Board:- The panel board of 4ftx 6ft x 1ft depth, size shall be made up of MS Sheet of 16 gauge, duely Powder coated with Siemens Green Colour,having suitable Compartments for fitting of following enclosures, Placed on the bakelite sheet with proper Lock and key arrangement. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.The works will include suitable power factor panel with suitable relays and capacitors sufficient enough for 140 KW load.	1.00	Nos		
	load Change over--- 150 Amp, 4 Pole.-1 no · MCCB – 150 Amp, 4 Pole,-1 no.of 35 KA FOR MAIN PANEL · MCCB – 100 Amp, 4 Pole,-1 no.of 35 KA FOR MSME SUB MAIN PANEL MCCB - 100 Amp - 1 No 35 KA, for Power Factor Panel (The rates of this Panel will include Providing/Supplying /installing of Power Factor Panel suitable for 140 KW Load. · Copper bus bars suitable for 400 amperes. · LCD of RYB—2 sets · Digital Voltmeter & Ammeter with the selector switch—1Sef, each for Incomer and Outgoing suuply. TPNMCB 5 Nos of 63 Amps. DPMCB 5 Nos of 40 Amps TPNMCB 4 Nos of 40 Amps & 8 nos of 32 Amps				

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	The abovementioned electrical gadgets must be enclosed in a panel board. The panel board shall have a proper lock & key arrangement .Load should be equally divided on each phase. The internal wiring of the panel board is to be done by 25 mm copper wire. Thimbles should be used while terminating the wire. The Line Diagram to be engrossed in the internal door of the Panel Board. Ferules numbering the wires to be done properly .				
11	APFC PANEL - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Supply and installation of 50 KVAR APFC panel, floor/wall mounted front operated totally enclosed vermin proof, indoor non-drawout-cubicle type power panel fabricated out of 2mm thk CRCA sheet having gasketed hinged cover on each cubicle fully powder coated with following accessories	1.00	No		
	suitable 3 Pole contactors				
	suitable MCB set				
	suitable capacitors				
	Suitable bus bar for connecting the contactors and MCB's, Capacitors				
	1 no. 4 step APFC relay suitable for above arrangement				
	ON/OFF/TRIP push button for each capacitor				
	ON/OFF/TRIP indication lamp for each capacitor				
	1 Set, RYB, indicating lamps with resistors and fuses for incomer.				
11 A	Same as per above specification but for 1 KVAR	Rate only			
	Circuit Distribution				



12	<p>Distribution Board for MSME Unit:- Providing and commissioning of 8 way TPNDDB Double Door Having following elements. Thimbles should be used while terminating the wires. The work should be complete in all respects. MCB WITH BREAKING CAPACITY OF 6K · TPNDDB 8 way comprising of the following enclosures:</p> <p>TPN MCB- 63 ampere - 1 no. ·MCB - 32 ampere- 6 no. ·MCB - 25 ampere- 6 no. ·MCB - 20 ampere- 6 no. ·MCB - 15 ampere- 6 no.</p> <p>The TPNDDB box must be flushed to wall.The Distribution board should be of Havells, legrand, L&T etc as mentioned in the material list.</p>	1	No		
13	<p>Distribution Board for VRV System :-Providing and commissioning of WEATHER SHIELD DISTRIBUTION BOX for VRV. This will have 63 Amp TPNDDB as Incomer while the other SPMCB/DPMCB as outgoing as suggested by the make used by VRV Vendor. Thimbles should be used while terminating the wires. The work should be complete in all respects. MCB WITH BREAKING CAPACITY OF 6K · TPNDDBà 6 way comprising of the following enclosures:</p>	2.00	Nos		
14	<p>Distribution Board for Light & Power wiring :- Provi ding and commissioning of 8 Way TPNDDB (double door) Having following elements. Thimbles should be used while terminating the wires. The work should be complete in all respects. MCB WITH BREAKING CAPACITY OF 6K · TPNDDB 4 way comprising of the following enclosures:</p> <p>TPN- 40 ampere - 1 no. ·MCB -15 ampere- 8 no. ·MCB -20 ampere- 8 no. MCB - 10 ampere - 8 Nos</p> <p>The TPNDDB box must be flushed to wall.The Distribution board should be of Havells, legrand, L&T etc as mentioned in the material list. <u>2 FOR LIGHT & POWER.</u> The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.</p>	4	nos.		

15	<p>Distribution Board For Computer/ UPS Wiring - Providing and commissioning of 8 Way, Single door, SPNDB Having following elements. Thimbles should be used while terminating the wires. The work should be complete in all respects. SPNDB should comprise of the 8 number of SPMCB(5 – 15 Amp) of suitable rating and 1 No DPMCB of 40 Amp . Thimbles should be used while terminating the wire. The quoted rates includes the wiring of the same & flushing the SPMCB in a wall . The Distribution board should be of Havells, legrand, L&T etc as mentioned in the material list. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.</p>	4	nos.		
16	<p>S & I of SPN, DB for distribution of input power to UPSs as per SLD having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) For UPS Room .The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.</p>	4	Nos		
	1 no, 63A, DP, Isolator incomer				
	3 Nos. 40A, DP, MCB, outgoing				
17	<p>Earthing: - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. This process includes digging of a pit of 2ft x 2 ft and 10’ ft deep in the earth. Slurry of wood charcoal & salt made by pouring water into it is then filled in the pit at a depth of 4 feet. Earth plate made of copper of size 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc.is then embedded on the slurry. This plate is bolted by the 3 bolts with chuck nuts to a GI strip of 25mm x 3mm thick. This strip at one end is terminated to the plate while its other end is clamped at -3 inch depth (Earth surface is considered as zero and all heights/depths are measured w.r.t. this zero level earth surface. A GI pipe of 3” diameter having staggered holes along its length is then vertically erected in the pit. The GI strip & the GI pipe hold each other tightly. The chamber of 1x1 sqft is flushed on the earth level</p>	2	nos		



	to cover the pit in a manner that a funnel resting on the pipe emerges whenever the chamber is opened to pour the water through the funnel, passing through a GI pipe & finally reaching to the slurry to impart adequate moisture .				
	A potential difference must be between 0 to 3 volt or less than 0.5 Ohms. The rates include the total labour & requisite material in achieving the aforesaid earthing to the satisfaction of the architect/Consultant and in perfect relevance to the I.E Rules.				
A	The linear measurement of GI strip of the size 25mm x 3mm running from the pit to the panel board.	21.00	Rmtrs		
B	The linear measurement of GI wire of 12 SWG gauge used for providing earthing for ceiling ,distribution boards etc.	35.00	Rmtrs		
18	<u>Floor Race aways / Junctions/ Cable trays</u>				
A	S & I of floor - raceways consisting of 2 Nos of 3" x 1.5" x 3mm thick rectangular aluminium anodized box sections including chasing but to be cumulatively counted.. Refilling as per the route shown in the drawing and as approved by consultant at site including clamping at every open pipe ends by suitable plastic end covers against entry of dust or anyother foreign material. The work is to be done in accordance with IE Rules. The body earthing of every component is required . Cutting the existing floor, making the proper depth in it of suitable size, waterproffing the created depth and plstering to have he evn levels albeit all the required civil works are the part of this Job. Nothing extra will be paid for providing and commissioning this item. No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	125.00	Mtr		
B	S & I of galvanised 4 way floor junction boxes with SS brushed finish 14 SWG (2mm Thick) cover properly fixed with screws, for above mentioned raceways , of size 300mm x 300mm and depth ranging from 50-75 mm with proper cutouts on the sides for pipe entry & screwed top cover with rubber gasket and suitable knockouts for flexible conduit outlets as per the drawing enclosed. Cutting the existing floor, making the proper depth in it of suitable size, waterproffing the created depth and plstering to have he evn levels albeit all the required civil works are the part of this Job. Nothing extra will be paid for providing and commissioning this item.	22.00	Nos		

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C	S&I of bolted rung type pre-galvanized ladder cable trays hung from the ceiling using MS suspenders including bolts & nuts with necessary accessories like cable binders, hook clamps etc. to hold the cables and including necessary bends, joint connectors etc. as per the route shown in the drawing and as approved by Bank / consultant at site.. All the civil part and making connections/joints good are part of the works. Nothing extra will be paid for the this module, to make it perfect in all terms.				
	1.6mm thick, 50mm height & 100 width	55.00	Rmtr		
	1.6mm thick, 50mm height & 150 width	65.00	Rmtr		
	Light fittings and accessories				
19	<u>Light Fittings</u> :- Providing & fixing recessed light fixtures of Philips,Wipro, Havells , Syska make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance, Lukar make/ equivalnet for 9/10 Watts . IRIS SLIM PANEL (LNPR09)	123.00	nos.		
20	Providing & fixing recessed light fixtures of Philips,Wipro, Havells , Syska make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance ,Lukar make/ equivalnet for 15 Watts . IRIS SLIM PANEL (LNPR15)	44.00	nos.		
21	Providing & fixing recessed light fixtures of Philips,Wipro, Havells , Syska make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance, Lukar make/ equivalnet for 28 Watts . IRIS SLIM PANEL (LNPS30)	88.00	nos.		
22	Providing & fixing recessed light fixtures of Philips,Wipro, Havells , Syska make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance ,Lukar make/ equivalnet for 3 Watts . IRIS SLIM PANEL (LNPR03)	100.00	nos.		

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23	Providing & fixing LED Profile Light of a reputed make, with their adaptor, commissioned as per requirement. The works are required to be completed in all respects for the light source to be functional by all standards of works . The make of Philips,Wipro, Crompton Greeves, as mentioned in the material list are permissible.	215.00	mtrs		
24	Providing & fixing Picture Tube Light (T5 Series)of a reputed make, LED Tube Light (Endura 28 Watt 2 ft) make Havells, completely fitted in all respects of Philips,Wipro, Crompton Greeves , Lukar, as mentioned in the material list are permissible.	55.00	nos		
25	Providing & fixing of energy saving Patti tube light (T5 Series), LED Endura 28 Watt 4 ft, or equivalent i.e. Philips, Wipro, Lukar , as mentioned in the material list are permissible. (LT5M24)	10.00	nos.		
26	P/f & Commission of Exhaust fan of (225mm) : Make of Crompton Greeves Driftair 3 Blade (225mm) or Equivalent at the required place. The installation includes all the Civil work/repairs required to be done for the said purpose. The make of Bajaj, Havells, Crompton Greeves, Khaitan , as mentioned in the material list are Permissible for the pupose.	9.00	nos		
27	P/f & Commission of wall fan (16" dia) having two chords , one for Swing and one for Speed regulation . Resembling or equivalent to Orient make :400 mm Snow Fall 16WB01 (Snow White).The wall fan must be properly fixed in wall and all the necessary walls are to be completed in order to make the fan in ready to use Condition.The make of Bajaj, Havells, Crompton Greeves, Khaitan , as mentioned in the material list are Permissible for the pupose.	15.00	nos		
28	P/f & Commission of Ceiling fan (28" dia) .The Ceiling fan must be properly fixed in Ceiling and all the necessary walls are to be completed in order to make the fan in ready to use Condition.Having step up regulator.The make of Bajaj, Havells, Crompton Greeves, Khaitan , as mentioned in the material list are Permissible for the pupose.	6.0	nos.		
	Cable & Circuit wiring				

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29	<p>Cable from metre room to Main Panel Board - These works are to be done (confirming to IS 1554 Part 1 ammended to date) - This includes laying of FRLS cables/wires, earthing the glands crimping with copper lugs, using insulation tape etc to complete the entire job to the full satisfaction of the Architect/ engineer</p> <p>Supplying/commissioning 185 Sq mm 3.5 core aluminum armored cable of approved make & modal from Main source of Supply to Metre/ Panel Board.The.Works includes crimping and earthing the Brass glands of appropriate sizes and numbering with ferules. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.</p>	15.00	Rmtrs		
29. A	<p>Cable form Main Panel To 8 WAY TPND B FOR MSME OFFICE SUPPLY -- The 4 Core 25 Sqmm copper armored cable, will used for these circuits. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. This includes laying of FRLS cables/wires, earthing the glands crimping with copper lugs, using insulation tape etc to complete the entire job to the full satisfaction of the Architect/ engineer . Supplying/commissioning 6 Sqmm 4 core Copper armored cable from Main Supply Panel Board to respective DB's with 2 No SWG Copper wire for Earthing.Worksincludes crimping and earthing the glands and numbering with ferules</p>	47.00	Rmtr		
30	<p><u>Cable form Main Panel To Light & Power DB - The</u> 4 Core 10 Sqmm copper armored cable, will used for these circuits. The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. This includes laying of FRLS cables/wires, earthing the glands crimping with copper lugs, using insulation tape etc to complete the entire job to the full satisfaction of the Architect/ engineer . Supplying/commissioning 6 Sqmm 4 core Copper armored cable from Main Supply Panel Board to respective DB's with 2 No SWG Copper wire for Earthing.Worksincludes crimping and earthing the glands and numbering with ferules</p>	100.0 0 rmt of 6sq mm cable	rmt		
		75.00 rmt of 10 sqmm cable	rmt		



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31	Cable From Main Panel to AC DB - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Supplying/commissioning of 16 sq mm 4 core copper armored FRLS cable from panel board to AC DB with 2 No SWG Copper wire for Earthing, Works includes crimping and earthing the copper glands and numbering with ferules	265.0 0	Rmtrs		
32	Cable from Main Panel to SPNDB - Supplying/commissioning 6 sq mm 3 core copper armored FRLS cable from panel board to the respective SPNDB distribution boards with 2 No SWG Copper wire for Earthing, Works includes crimping and earthing the copper glands and numbering with ferules . The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	180.0 0	Rmtrs		
33	Circuit wiring of Light Boards/UPS Boards/ - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Providing/Supplying/commissioning of (2 x 2.5) sq mm + (2 x 2.5) sq mm Copper FRLS wire for circuit wiring of 5 ampere switch boards . Wires not considered cumulative, in length.	665.0 0	Rmtrs		
34	Circuit wiring of Power Boards & Sockets - Providing/Supplying/commissioning of (2 x 6) sq mm + (1 x 4) sq mm Copper FRLS Wire for circuit wiring of power boards. Wires not considered cumulative in length. The work is to be done in accordance with IE Rules. The body earthing of every component is required . Wires not considered cumulative, in length. No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid.	215.0 0	Rmtrs		
35	Telephone wiring : - The work is to be done in accordance with IE Rules. The body earthing of every component is required . No extra payments for any possible description left, for making the works completed as Per their IS Code will be asked or paid. Providing/laying 10 pair telephone line in a conduit with RJ 11 connector /sockets etc. to be positioned as per the requirement of the architect/Consultant. The telephone line to be	25.00	points		

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	distributed using the appropriate Telephone Tag box (Quantity as required for 45 connections), of Krone or equivalent make. Crimping of wires with ferules etc. are part of the Job. The completion of works means completing, checking the works in ready to use condition.				
	TOTAL COST OF ELECTRICAL WORK (In Rs)				
	Discount If Any (In Percent)				
	Amount Tendered after deduction of Discount (If any)				
	GST Charges - (In Rs)				
	Net Total Amount of works in Figure				
	Total Net Amount Tendered - In figures				
In words - _____					

SIGNATURE & SEAL OF VENDOR

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