

BILL OF QUANTITY OF ELECTRICAL WORKS FOR MURUD BRANCH , BANK OF INDIA , ALIBAGH

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Essentials to be followed while quoting the rates for the Electrical works

	<p>This project is very prestigious 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.</p>
	<p>The Vendor will have 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.</p>
	<p>Supervision of the electrical/ Data works - The electrical works are to be carried out by the vendor under a approved Licensed wireman . The wireman will attach a copy of his license and verify the works done as per the IE Rules. The supervision of the works will be carried out by the vendor under the guidance of an Electrical engineer (BE, having an experience of atleast 3 years or an Electrical Diploma holder having a minimum experience of 6 years. The engineer will certify and authenticate the works done under his guidance, with a copy of his qualification./ experience.</p>
	<p>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/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.</p>

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	<p>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.</p>				
	<p>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.</p>				
	<p>The approved usage of the materials will only be permitted, the failure, if found will lead to the either the imposition of the penalty or the restructuring of the commodity as per the given specification. This will be the sole prerogative of the ARCHITECT/CONSULTANT FOR WHICH THE CONTRCTOR /VENDOR has no right by whatsoever means to seek 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. The Participating vendors are requested for filling authentic rates. If the Bank/ Architect/Consultant finds the rates to be not workable than the costing analysis will be asked by the Vendor. The cost analysis submitted by the Vendor will be analysed 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 Gurantte of 10% of the estiamted cost which will only be released by the Bank after the issuance of works suceesful 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/ UNIT	GROSS AMOUNT

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	<p>Material - The usage of the specified material will only be permitted. The Vendor will have to write a letter and submit the material samples, which will be used at site. The vendor will be required to prepare a mock up and get it approved by the Architect/Consultant. The material used without prior approval of the Architect/ Consultant will have to be replaced while the vendor the Amount of the vendors Bill will also be deducted in lieu of not following the Tender guidelines. All the Material testing reports which are used in the works will have to be submitted to the Architect/consultant. The documents pertaining to the proof of the approved purchahse of the materials used at site will also be required to be submitted to the Consultant/Firm/Company/representative.</p>				
	<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 chrat and their distribution system comprising of every deatil along with Circuit Number, MCB Number as provided in practality 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 clearence 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>				
	<p>Note : The vendors before quoting the rates should visit the site because the dismantelling 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 Governing BMC Act.</p>				

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	The costing of the commodities is based on the CPWD/DSR 2021AND Market Rate Analysis . The contractors will be required to get the samples checked and approved by the Architect/Consultant, only.				
A	<u>Wiring</u>				
1	Wiring of electrical points using FRLS wires (2 x 1.5)sq mm + (1x1)sq mm Copper conductor wire in surface or recessedin medium class conduit, to give a requisite insulation. The quoted rates shall be inclusive of all the materials & labor required for completion of work in every aspect, including the drawing of circuit for wiring for a single circuit 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 of 28 watt or 4 lights of 12 watt or likewise can be looped in this point.	22.00	nos.		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
2	Wiring of Secondary electrical points (looping of maximum of 4 nos of 28 watt Down lighter or 6 No of 15 watt Spot light or likewise,can be looped in this case, as per the instructions of the Architect) using FRLS wires (2 x 2.5)sq mm + (1x1.5)sq mm Copper conductor wire in surface or recessedin medium class conduit, to give a required insulation. The quoted rates shall be inclusive of all the materials & labor required for completion of work in every aspect, including the drawing of circuit are the parts of the works, 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 platewith all the materials & labor required for completion of work in every aspect.	28.00	nos		
3	On Table Wiring - 1no 15/16 Amp Switch, 2 no 5 Amp Switch & 2 Socket wiring along with an Indicator is required to be provided on 5 Modular Plate. This Point wiring is to be done by using FRLS Wires(2x2.5) 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 quoted rates shall be inclusive of all the materials & labor required for completion of work in every aspect, including the drawing of circuit for wiring by looping maximum of 3 Points on a sinle circuit The single length wires to be laid from the switch to the source. The quoted rates shall be inclusive of all the materials & labor required for completion of work in every aspect.. The ideology of providing 16 Amp switch above the table is to control the UPS Supply to the 3 no of 5 amp each sockets provided below the table. Therefore this elemnt above the table will control the Direct supply and also Uninterrupted Power supply from UPS output, Supply.	12.00	nos.		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
4	Wiring of Power points using FRLS wires (2x4) sq mm + (1x2.5) sq mm Copper conductor FRLS wire in medium class conduit to give a requisite insulation. The single length wires to be laid from the switch to the source. The rates are 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 quoted rates shall be inclusive of all the materials & labor required for completion of work in every aspect, including the drawing of circuit for wiring by looping maximum of 3 Points on a sinle circuit. These are to be provided in Pantry, For UPS Mains in Input & output, For connecting water pump, for Aqua guard supply while 1 in the Manager Cabin & other cabins which require Power Points for their Function/As suggested by the Appointed Architect/Consultant.	5.00	nos		
5	Wiring For VRV INDOOR UNITS 5 Amp Switch & Universal Socket wiring - 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. 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..	0.00	nos		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
6	Wiring of A.C. points using FRLS wires (2x 4) sq mm + (1x2.5) sq mm Copper conductor FRLS wire in a 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 A.C. switch & socket of Havels' or equivalent make as prescribed in material list, to be fitted in an enclosure having 32 ampere MCB enclosed in a box with all the materials & labour required for completion of work in every aspect.	9.00	nos.		
7	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.	3	nos.		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
8	Wiring of 5 Amp Switch Socket for Switch Board, Wall fans/Ceiling fans etc. using FRLS Wires (2 x 1.5) sq mm + (1x1) 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.	12.00	nos.		
9	Wiring of 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.	2.00	nos.		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
10	Wiring of Glow sign Board by using FRLS Wires 2x1.5 mm + 1 x 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 32 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.	1.00	nos.		
11	PANEL BOARDS				
	Panel Board:- The panel board of 3ftx 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 15 KW load.	1.00	Nos		

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	<p>load Change over--- 150 Amp, 4 Pole.-1 no</p> <p>· MCCB – 100 Amp, 4 Pole,-1 no.of 35 KA</p> <p>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 at Load of 63 Amps @ 3phase. The Capacitors, relays are to be provided for the same as per the requirement of 25 KW Load.</p> <p>· Copper bus bars suitable for 300 amperes.</p> <p>· LCD of RYB – 2 sets ·</p> <p>· Fully automatic Digital Voltmeter & Ammeter with the selector switch – 1Set, each for Incomer and Outgoing supply.</p> <p>TPNMCB 2 Nos of 63Amps. & 2 Nos of 40 Amps</p> <p>DPMCB Isolator 40 Amps 4 No</p> <p>MCB 32 Amps -6 Nos.</p>				
	<p>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 .</p>				

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
12	<p>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.</p> <p>Supply and installation of 15 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</p>	1.00	No		
	1 NOS 63 AMP , TP , MCCB AS INCOMER				
	2 NOS 25 A 3P CONTACTOR				
	2 NOS 25 A MCB				
	1 NOS 10 KVR AND 1 NOS 5 KVR CAPACITOR				
	SUITABLE BUS BAR FOR CONNECTING THE CONTACTORS AND MCB CAPACITORS				
	1 NOS 4 STRP APFC RELAY SUITABLE FOR ABOVE ARRANGEMENT				
	ON OFF PUSH TRIP BOTTON FOR EACH CAPACITOR				
	ON OFF TRIP INDICATION LAMP FOR EACH CAPACITOR				
	1 SET , RYB INDICATING LAMPS WITH RESISTORS AND FUSE FOR INCOMER				

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13	<p><u>Distribution Board for Light, Power @ ATM wiring :-</u> Providing and commissioning of 4 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: TPN MCB- 40 ampere – 1 no. ·MCB -10 ampere- 4 no. · MCB - 15 ampere- 4 no. MCB - 20 ampere - 4 Nos 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></p>	2	nos.		
14	<p><u>Distribution Board for AC & Power Units:-</u> Providing and commissioning of 4 Way TPNDDB (double door) Having following elements. Thimbles should be used while terminating the wires. The work should be complete in all respects. SPMCB WITH BREAKING CAPACITY OF 6K · TPNDDB 4 way comprising of the following enclosures: TPN MCB- 63 ampere – 1 no. ·MCB - 32 ampere- 6 no. · 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>	2	No		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
15	<u>Distribution Boardà For Computer/ UPS Wiring</u> - 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 6 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.	1	nos.		
16	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	2	Nos		
	1 no, 63A, DP, Isolator incomer				
	3 Nos. 40A, DP, MCB, outgoing				

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17	Earthing: - 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. Copper Earth plate 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 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 .	2	nos		
	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.	10.00	Rmtrs		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
B	The linear measurement of GI wire of 12 SWG gauge used for providing earthing for ceiling ,distribution boards etc.	65.00	Rmtrs.		
18	<u>Floor Race aways</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.	35.00	Mtr		
B	S & I of galvanised 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 x 2.5 mm depth, fabricated out of 2.5 mm thick G.I. sheet 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.	6.00	Nos		
C	S&I of bolted rung type pre-galvanized ladder cable trays hung from the ceiling using MS suspenders including bolts & nuts with necessary accesories 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.				
	1.6mm thick, 50mm height & 100 width	24.00	Rmtr		

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	1.6mm thick, 50mm height & 150 width	23.00	Rmtr		
19	Light Fittings :- Providing & fixing recessed light fixtures of Lukar, Philips, Havells , make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Modals of light to get approved in writing by the appointed consultant. Resembling Havells ,Brilliance,	19.00	nos.		
20	Providing & fixing recessed light fixtures of Philips, Havells, Wipro , make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance Modals of light to get approved in writing by the appointed consultant	17.00	nos.		
21	Providing & fixing recessed light fixtures of , Philips, Havells , Wipro make (with LED Panel light having Warm Light, Neutal light, Bright white light etc. suitably fitted & complete in all respects) - Resembling Havells ,Brilliance.Modals of light to get approved in writing by the appointed consultant	14.00	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) - Modals of light to get approved in writing by the appointed consultantResembling Havells ,Brilliance	15.00	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 . Modals of light to get approved in writing by the appointed consultantThe make of Philips,Wipro, Crompton Greeves, as mentioned in the material list are permissible.	71.00	mtrs		
24	Providing & fixing Picture Tube Light (T5 Series)of a reputed make, LED Tube Light (Endura 10 Watt 2 ft) make Havells, completely fitted in all respects of Philips,Wipro, Crompton Greeves , Lukar, as mentioned in the material list are permissible.	2.00	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)	13.00	nos.		
26	P/f & Commission of Exhaust fan of (225mm) : Make of Crompton Greaves 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.Modals of light to get approved in writing by the appointed consultant	3.00	nos		

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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.Modals of light to get approved in writing by the appointed consultant	5.00	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.Modals of light to get approved in writing by the appointed consultant	3.0	nos.		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
29	<p><u>Cable & Circuit wiring – Main Cable (confirming to IS 1554 Part 1 ammended to date)</u> - 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 50 Sqmm 3.5 core Aluminum armored cable from Main source of Supply to Metre/ Panel Board .TheWorks 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>	10.00	Rmtrs.		
30	<p><u>Cable form Main Panel To Light & Power DB -</u> 4 Core 10 Sqmm copper cable calculated for 40 Amp load, will used in this connection. 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 10 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>	65.00	Rmtrs		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
31	<u>Cable From Main Panel to AC DB</u> - Supplying/commissioning 16 sq mm 4 core copper armored FRLS cable from panel board to AC DB calculated for 50 Amp Load. with 2 No SWG Copper wire for Earthing, Works includes crimping and earthing the copper glands and numbering with ferules	52.00	Rmtrs.		
32	<u>Cable from Main Panel to SPNDB</u> - Supplying/commissioning 6 sq mm 3 core copper armored FRLS cable calculated for 30 Amp load 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	61.00	Rmtrs.		
33	Circuit wiring of Light Boards/UPS Boards/ - 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.	255.00	Rmtrs		
34	Circuit wiring of Power Boards - 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.	65.00	Rmtrs		

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S.N	BRIEF DESCRIPTION OF WORKS	QNTY	UNIT	RATES/ UNIT	GROSS AMOUNT
35	<u>Telephone wiring</u> : - 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 distributed using the appropriate Telephone Tag box (Quantity as required for 45 connections), of Krone or equvalient 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.	12.00	points.		
	TOTAL COST OF ELECTRICAL WORK (In Rs)				
36	Buy Back Charges of Old wires, Cables. Switxh Boards etc. to be deducted from the Bill for Purchasing of the electrical items in the Branch/ Premises. (In Rs)	0	JOB		
	Net Total Value of the works after deducting the Buy Back Charges (In Rs)				

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