

Electrical BOQ for Awadh Apartment, Gomti Nagar, Lucknow

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using heavy duty PVC conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi-stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	Primary points controlled by one 6 amp. Modular switch.	Nos.	1200.00		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	496.00		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	80.00		
iv	One exhaust fan point with 6 amp 3-pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	176.00		
v	One ceiling fan point with ceiling rose, down rod and modular type regulator controlled by one 6 amp. Modular switch. The switch and regulator should be at switchboard level.	Nos.	272.00		
vi	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	448.00		

vii	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	512.00		
b	Secondary Point looped	Nos.	512.00		
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 -pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
a)	Primary Point	Nos.	256.00		
b)	Secondary Point	Nos.	112.00		
c)	Same as above but only Primary power point to be provided for geysers (in kitchen and toilet)	Nos.	176.00		
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket. The socket shall be provided near outdoor unit. The point starts from DB to stabilizer near outdoor to the point near the indoor unit. Item to include plug top to be provided with AC socket.	Nos.	176.00		
B.	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE & TV SYSTEM				
1.1	Wiring for VOICE from Shaft/ Internal Hub to telephone point with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the T/O hub to the point	Nos.	80.00		

1.2	Wiring for TV from Shaft/ Internal Hub to TV point with RG-6 TV cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing TV outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of RG-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	160.00		
1.3	Wiring for Data from Shaft/ Internal Hub to Data point with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	80.00		
C. CABLES, MAINS & SUBMAINS					
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	3 X 10 sq.mm. + 2 X 6 sq.mm. (Rising Main to DB)	RM	1100.00		
D. DISTRIBUTION BOARD					
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				

	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
	4-way TPN DB (LIGHT DB)	No.	80.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB				
	Outgoing:-				
	12 Nos. 6/10/16 Amp (10 KA) SP MCB				
	E. (LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Lights/ Fixures should be covered with minimum 3 Years onsite replacement warranty).				
i	Supplying, fixing, testing and commissioning of 22 W LED T 8 Tube light of make as specified in tender document or approved by Bank/ Architect.	Nos.	352.00		
ii	Supplying, fixing, testing and commissioning of 10 W LED T 8 Tube light of make as specified in tender document or approved by Bank/ Architect.	Nos.	288.00		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type recessed down lighter (aluminium body) of make As specified in tender document or approved by Bank/ Architect.	Nos.	608.00		
iv	Supplying, fixing, testing and commissioning of 15 W LED commercial type surface mounted down lighter (aluminium body) of make As specified in tender document or approved by Bank/ Architect.	Nos.	192.00		
v	Pendant Light As specified in tender document or approved by bank (Basic Cost- 5,000/-). Note:- In case the basic cost of the selected fixture is lower/ higher than the basic cost, prorata payment of quoted rates shall be made for the same.	Nos.	80.00		

vi	Wall sconce as specified in tender document or approved by bank (Basic Cost- 1,250/-). Note:- In case the basic cost of the selected fixture is lower/ higher than the basic cost, prorata payment of quoted rates shall be made for the same.	Nos.	352.00		
vii	Mirror light of make Philips/ Wipro/ Havells as approved by bank/ Architect.	Nos.	96.00		
ix	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
b	Supply & fixing of 230 mm exhaust fan with self closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by Bank/Architect.	Nos.	176.00		
F	DISMANTLING AND TEMPORARY SHIFTING				
1	Dismantling and removal in 80 Nos. of Flats of all existing wires, conduits, fans, lights, DB's, etc. and making the area free from all electrical debris to receive new works all complete as per the instructions of Bank's Engineer/ Architect.	Job	1.00		
	TOTAL				
Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra					