


PROPOSED ELECTRICAL WORKS OF SBI FLATS, INDORE					
S.No	DESCRIPTION OF ITEMS	Qty.	Unit	Rate	Amount
1	MCB DB- Supplying and Fixing of approved make TPN MCB DB Metal Double Door IP 43 protection with provision for FP MCB as incomer and SP/TP MCBs as outgoing inclusive of Bus Bar, Neutral Bar, Earth Bar and Two earth terminals, etc. complete as per IS:13032 (inclusive of 12 nos. 6A-32 Amp SP MCB & 40Amp 1 No. FP MCB)				
i)	4 way (4+12)	8	Each		
	Make- Legrand				
2	Supplying and fixing LED Tube light fixture comprising of LED Tube with driver, 4200/ 6500K color temp & having 40,000 burning hrs life.				
i)	1x20W, 4Ft	113	Each		
	Make- Philips/ Crompton/ Bajaj/ Havells/ Jaquar				
3	Supplying and fixing metal Wall Lamp , having chrome color & premium opal glass for reduced glare, connection wire, testing, etc. to complete the job inclusive of lamp.				
	24W, 100/150mm	113	Each		
	Make- Philips [Model- 45617/17/66 24-Watt Wall Light (Chrome and Metal)]				
	Ref. Image: 				
4	Mirror Light				
	Supplying and fixing LED Tube light fixture comprising of LED Tube with driver, 4200/ 6500K color temp & having 40,000 burning hrs life.				
i)	8W, 1Ft	40	Each		
	Make- Philips/ Crompton/ Bajaj/ Havells				
5	Supplying, erection and testing of approved make electric Ceiling Fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, with regulator, A.C. 230-250 volts including connections with all necessary material complete of approved as per specification				
i)	Ceiling Fan (5 star & ISI- Energy Saver) -1200 mm Sweep	44	Each		
	Make- Orient				
6	EXHAUST FAN				
	Supplying and fixing of Exhaust Fan with metal blades and body mounting square frame of approved make complete with all necessary material as required				
i)	250mm RPM 1300/ 1400	28	Each		
	Make- Crompton/ Bajaj/ Usha				
7	Supplying and fixing as per specification Call Bell of approved make with necessary materials complete.				
i)	Musical Bell	8	Each		

8	TV Cable				
	Supplying and drawing Co-axial T.V. Cable RG-6 Grade, 0.7mm Solid copper conductor PF insulated, shielded with fine tined copper braid and protected with PVC sheathed in the surface/ concealed PVC Conduit of required size TV outlet and box as required.	170	R. Mtr.		
9	Telephone Point				
	Supplying and drawing following pair of 0.5mm size solid annealed copper conductor PVC insulated telephone cable as per DOT specifications in surface/ concealed PVC conduit capping as required.				
i)	1 Pair	300	R. Mtr.		
ii)	2 Pair	60	R. Mtr.		
iii)	10 Pair	50	R. Mtr.		
10	Supplying, fixing, testing & commissioning of double outlet with shutter modular type telephone outlet (RJ11) with suitable size modular box & plate complete as required.	8	Each		
11	Cables				
	Supplying & laying as required of XLPE insulated power cable (confirming IS-7098) 1100Volt grade Heavy duty power cable 4/ 3½ core of approved make with Alu. Stranded/ solid conductor including connection, cable gland and lugs of required size with two run of GI wire 8 SWG along with cable.				
A	Armoured 4 Core				
	10 Sqmm (XLPE)	208	R. Mtr.		
B	Armoured 3½ Core				
	25 Sqmm (XLPE)	208	R. Mtr.		
	120 Sqmm (XLPE)	120	R. Mtr.		
12	Wiring for submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core/Multi strand cable in surface/ recessed medium class M.S. conduit				
	4 x 6.0 + 1 x 4.0 sq mm copper wire in 25 mm M.S. conduit	350	R. Mtr.		
13	Raw Socket Points for power/Geyser				
	Supply, laying & Installation of following Raw power switch socket points on skirting/ walls for Table Lamps/ General purpose use by using 3C X 4 Sq.mm copper conductor PVC FR sheathed black color flexible cable pulled through already laid floor raceways/ conduits and taken up to the position marked, using steel conduits run concealed within walls/ partitions/ work stations etc, with concealed MS box flush to the surface, front Plate etc & hardware as required. (Not more than five socket points will be served by one circuit from Lighting DB) Rate is Inclusive of all Riser M.S. conduits and circuit wires as required.				
	16A socket & 16A switch point.	20	Pts.		

14	PANEL				
	Supplying, fixing, testing & commissioning wall/ floor mounted LT Panel primer coated with powder coated paint & provided with required gasket for dust/ vermin proof with degree of protection IP42 suitable for 415V 3 phase, 50 Hz, 4 wire system fabricated out of CRCA sheet up to 2mm thick (1.6mm for doors) duly compartmentalized for incomer, bus section, outgoing, cable alleys & CT, PT Ampere Meter, Voltmeter, selector switches, phase indicating lamps, Energy Meter complete including cost of busbar supports, detachable cable gland plates, 2 earthing terminals, internal wiring & fixing of MCCBs panel mounted Changeover switch/ SFUs, etc. as required including the cost of busbar strips, Ampere Meter, Voltmeter, Selector Switch as per approved design & specification.				
	Incoming Feeders:				
	Panel Mounted front operated change over switch 200 Amp- 01 No.				
	MCCB 200 Amp, 25 kA- 01 No.				
	Aluminum Busbar TPN (4 ways) suitable for 250 Amp- 01 No.				
	Digital Ampere Meter with CTs with selector switches of required Rating 0 to 200 Amp- 01 No.				
	Digital Volt Meter with selector switch & HRC fuse 0 to 500 V- 01 No.				
	LED Indicating Lamp RYB- 03 Nos.				
	Outgoing Feeders:				
	TP MCB 40 Amp, 10 kA- 12 Nos.				
	LED Indicating Lamp RYB- 36 Nos. (12 set)	1	Each		
15	Earthing				
	Special Pipe with Chemrod Earth station: Preparation of the Earth Station: a.Boring/Excavation of pit for earth station-200 mm dia, b.Supply and fixing of G.I. Class dia duly welded at joints-3 meter c.Supply and fixing of chemrod electrode of size 50 mm dia, 2.50 meter long and well welded with the above pipe with reducer etc. d.Supply and welding clamp of 50mmx6mmx0.5 Meter long with 12 mm dia 2nos. Hole e. Supply and pouring of chemical powder in the bore around the chem rod an in total boring upto ground level. Bottom filled with Black Cotton Soil. f. Construction of earth pit chamber including necessary brick work concrete,plastering,s/f of C.I cover of size 12"x12" complete as per site req.	3	Each		
16	Providing & fixing 25 mmx 5mm G.I. Strip on surface or in recess for connection etc. as required.	50	Each		

17	WIRING TO POINTS				
	Point wiring with 1100 V grade 3 nos. single core/Multi strand 1.5 sq.mm. (1 for phase, 1 (black colour) for common neutral by looping method and 1 (green colour) for common earth by looping method) PVC insulated flexible FRLS copper conductor cable (IS:694) through M.S. Conduits of 25mm/20mm of 16 guage thickness (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall from light & fan switch board to light, fan & 6A socket outlet on the same switch board or separately mounted switch board. The work includes supply and fixing of all materials as specified make modular type 6A switch for each light and fan point, 6A 2/3 pin shuttered socket outlet with switch, 3 plate ceiling rose / angle or batten holder etc. as required.				
a)	Lighting point complete with modular type switch board of required size, plate, G.I. conceal switch box.				
i	Point - Light/Fan point control by 01 switch.	15	Each		
ii	Point - Light/Fan point control by 01 Two way switch.	8	Each		
b)	6A 2/3-pin socket & 6A switch point. Separate Point	20	Pts.		
c)	6A 2/3-pin socket & 6A switch point with same switch board	20	Pts.		
	Total				

In Words: