

BOQ for the work of External, Internal Wiring & Cable laying work in Guest House in DSC, Digha					
Item	Description	Unit	Rate	Qty.	Amount
1	Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate suitable GI box and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group B	point	1182	36	42552
1.2	Group C	point	1467	36	52812
2	Wiring for group controlled (looped) light point fan point / exhaust fan point / call bell point (without independent switch etc.) with 1.5 sqmm FRLS PVC Insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group B	Each	939	12	11268
2.2	Group C	each	858	14	12012
3	Supplying & fixing call bell/ buzzer suitable for single phase 230 V, complete as required.	each	99	12	1188
4	Installation of exhaust fan in the existing opening, including making good the damages connection testing, commissioning etc. as required				
4.1	up to 450 mm	each	450	12	5400
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required.				
5.1	2X2.5 sqmm + 1 X2.5 sqmm earth wire	RM	275	420	115500
6	supplying & fixing following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
6.1	5/6 A switch	each	103	48	4944
6.2	15/15 Amp switch	each	156	36	5616

6.3	3 pin 5/6 Amp socket outlet	each	122	48	5856
6.4	6 pin, 15/16 A socket outlet	each	197	48	9456
6.5	Bell Push	Each	140	12	1680
7	Supplying & Fixing modular blanking plate on existing modular plate & Switch box excluding modular plate as required.	each	40	30	1200
8	Supplying & fixing following size/ modules, GI box along with modular base & Cover plate for modular switches in recess ets as required.				
8.1	1 or 2 module (75mmX75mm)	each	298	12	3576
8.2	3 Module (100mm X75mm)	each	327	12	3924
8.3	4 Module (125mmX75mm)	each	343	12	4116
8.4	6 module (200mm X 75mm)	Each	402	12	4824
9	Supplying & fixing following way, Single pole & neutral, Sheet steel MCB distribution board, 240 V, on surface.recess complete with tinned copper busbas, netral busbar, earth bar, din bar interconnections powder painted including earthing ets as required (but w/o MCB, RCCB, isolator)				
9.1	8 Way Double door	each	2573	12	30876
10	Supplying & fixing following rating double pole (single phase & netral) 240V, residual current circuit breaker (RCCB), having sensivity current 30 MA in existing MCB DB complete with connections, testing and commissioning etc. as required.				
10.1	40 A	each	2642	12	31704
11	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand couchioning, protective covering and refilling the trench etc as required.				
11.1	up to 35 Sqmm	RM	387	25	9675
11.2	Above 35 sqmm and up to 95 Sqmm	RM	405	70	28350
12	Laying of one number additional PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand couchioning, protective covering and refilling the trench etc as				

	required.				
12.1	up to 35 Sqmm	RM	269	10	2690
13	Laying of one number PVC insulated & PVC sheathed /XLPE power cable of 1.1 KV grade of following size in existing RCC/hume/metal pipe as required.				
13.1	up to 35 Sqmm	RM	37	10	370
13.2	Above 35 sqmm and up to 95 Sqmm	RM	57	10	570
14	Laying & fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
14.1	upto 35 sqmm (clamped with 1mm thick saddle)	RM	55	300	16500
14.2	Above 35 sqmm and up to 95 Sqmm (Clamped with 25X3mm MS flat Clamp)	RM	130	10	1300
15	Supplying & fixing of following ways surface/recess mounting vertical type, 415 V TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 Amp tinned copper bus bar, common neutral link, earth bar din bar for mounting MCBs (but without MCBs and incomer) as required (Note: vertical type MCB TPDB is normally used where 3 phase outlets are required)				
15.1	8 Way (4+24) Double Door	Each	10165	1	10165
16	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreader in existing cubicle panel board including drilling holes in cubicle panel, making connections etc as required				
16.1	125 A,36 KA, FP MCCB	Each	8209	1	8209
17	Supplying & fixing 5 to 32 Amp rating, 240 /415V, 10 kA, C Curve miniature circuit breaker suitable for inductive load of following poles in existing MCB DB complete with connections, testing and commissioning etc. as required				
17.1	Single pole	Each	256	72	18432

18	Supply & fixing of single pole Blanking plate in the existing MCB DB complete etc. as required.	Each	13	30	390
19	Earthing with G.I. earth plate 600X600mmX6mm thick including accessories and providing masonry enclosure with cover having lockong arrangement and watering pipe of 2.7 mtr long etc. with charcoal & salt as requird.	each	7472	4	29888
20	Supplying & laying 25mmX5mm G.I. Strip at 0.50 meter below ground as strip electrode, including connections/ terminating with GI nut, bolt, spring washer etc. as required.(jointing shall be done by overlapping and with and with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	RM	144	100	14400
21	Providing & fixing 25mmX5mm G.I. strip in 40 mm dia GI pipe from earth electrode including connection with G.I. nut, bolt spring washer, excavation and refilling etc as required.	RM	706	50	35300
22	Providing & fixing 25mmX5mm G.I. strip on surface or in recess for connections etc as required.	RM	244	50	12200
23	Providing and fixing testing joint, made of 20mmX3mm thick G.I. strip, 125mm long with 4 nos of G.I. bolts, nuts chuck nuts and spring washer etc complete as required.	each	121	4	484
24	supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated & PVC shethed/ XLPE aluminum conductor cable of 1.1 KV grade as required.				
24.1	3½X95 Sqmm (45mm)	Each	588	2	1176
25	Supplying & fixing of LED Tube light 20 Watt batten 6500 K complete with connections on wall/ ceiling.	Each	400	12	4800
26	Supplying & Fixing recess mount LED downlight 15/16 Watt with diffuser & Suitable driver in False ceiling Grid.	Each	450	60	27000
27	Providing Exhaust fan with louvers size 11", square of make havells/ crompton	each	1350	12	16200

28	Fixing of wall mount fan on wall including connections etc.	each	200	12	2400
29	Providing & fixing of Cove light with suitable LED Strip/ Module 3000K colour temperature) with suitable driver	RM	400	160	64000
30	Providing & fixing of 15/16 Amp Socket with AC starter northwest in recess with Suitable GI Box with connections etc, as required.	Each	900	12	10800
31	Supply of 1.1 KV grade following Core and sizes PVC insulated & PVC sheathed XLPE armored cable				
31.1	4 Core 2.5 Sqmm copper	RM	163.2	360	58752
31.2	3.5 Core 95 Sqmm Aluminium	RM	400	80	32000
32	Supplying and making end termination joint with brass compression gland and suitable copper lugs for following size of 1.1 KV grade PVC insulated & PVC sheathed XLPE cable.				
32.1	4 Core 2.5 Sqmm copper	Each	175	24	4200
33	Providing & fixing of 32 mm dia MS pipe bracket of length 1.5 meter and an angle of 120 degree clamped on wall including painting of required shade and color all complete.	Each	550	12	6600
34	Providing & fixing of Aluminium die cast LED street light fitting of 15watt, 6000K, including connection etc. all complete.	Each	1800	12	21600
35	Providing & fixing of 7 watt LED bulkhead fitting having IP 67 standard, including connection etc all complete.	Each	400	12	4800
36	Providing & Fixing a 3/5 watt LED Down light with diffuser having Blue colour for Night light purpose.	Each	500	12	6000
				Total	797755
				Basic Value of work done Excluding GST @12%	712281
				GST @ 18%	128211
				Labour Welfare Cess @ 1% of Basic Value	7123
				Gross Value of Work	847615
	In words: Rupees Eight Lakh forty seven thousand six hundred fifteen only.				