

BoQ for the Staff Quarter, SCE					
Sl.No.	Description	QTY	Unit	Rate(Nu.)	Amount (Nu.)
A					
1	Wiring for light, fans, call bell and 2 pin light socket outlet with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required (Modular type). (Emgee/RR Kabel/Royal/Havels or Equivalent)				
	Medium point	72.00	Point		
	Long point	66.00	Point		
2	Wiring for 5/6 pin, 6/16 ampere plug point with 4 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe with providing and fixing 5/6 pin, 6/16 ampere socket outlet and switch including earthing the third pin, connections, painting, testing and commissioning etc. as required. (Emgee/RR Kabel/Royal/Havels or Equivalent)				
	Medium point	12.00	Point		
	Long point	66.00	Point		

3	Wiring for points in excess length above long points with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required((Emgee/RR Kabel/Royal/Havels or Equivalent)				
	2x4 sqmm	250.00	Mtr.		
4	Wiring for lighting circuit and lighting point with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required (Emgee/RR Kabel/Royal/Havels or Equivalent)				
	2x2.5 sq.mm	500.00	Mtr.		
5	Wiring for sub-main with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required				
	4x6 sq.mm	100.00	Mtr.		
6	Supplying and fixing of HDPE pipe on recessed including all accessories such as screws, bends,elbows, Tees, corners, etc. complete as required				
	25mm	1,500.00	Mtr.		
	40mm	100	Mtr.		
SUBTOTAL FOR WIRING					
B					

	Supplying of Surface mounted light fittings complete set with all accessories as required,with lamp (Crompton/Wipro/Marc Equivalent).				
7	Cat No. Crompton/Pearl round LED/LCDSPLN-R-12-CDL 12 W	33.00	Each		
	Cat No. Crompton/Retro LED T8 Tubelight/LTT8-20 W	39.00	Each		
	Marc/Indoor Wall bracket LED blub/25 W	30.00	Each		
	Cat No. Crompton/Linnet LED Mirror Light/LCL-07-CDL 7W	12.00	Each		
8	Supplying of ceiling fan 240 volt A.C 1400 rpm with all accessories such as down rod, sweep 3 Nos.,canopy 2 Nos., condenser and fan body etc. complete as required				
	1200mm sweep	30.00	Each		
9	Supplying of exhaust fan 240 volt A.C 900 rpm with all accessories such as frame with arm 3 Nos., sweep 3 Nos., condenser and fan body etc. complete as required				
	300mm sweep	6.00	Each		
10	Supplying & fixing of socket/regulator on existing PVC/metal / moulded tough surface box (recessed or surface) including necessary cutting, connection testing etc. as required.				
	Dimmer/regulator	30.00	Each		

11	Supplying of prewired call bell 250 volt A.C with base, terminal block and all accessories complete				
	Gong bell assembly	6.00	Each		
12	Supply, Installation and commissioning of three phase energy meter of suitable size after consulting BPC complete as required.	6.00	Job		
SUBTOTAL FOR FITTING & ACCESSORIES					
C					
13	Supplying of pre-fabricated MS busbar chamber with copper busbar complete with all accessories etc. as required				
	4 strips, 600mm bar, 300A	1.00	Each		
14	Supplying of panel moulded case circuit breaker (MCCB) with electronic release, breaking capacity 36KA, 4 pole 415 volt A.C complete with all accessories etc. as required (Emgee/RR Kabel/Royal/Havels or Equivalent)				
	160A	1.00	Each		
15	Supply of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a dinbar etc. as required (SQCA Category A or Equivalent Make)				
	6A	18.00	Each		
	16A	78.00	Each		

16	Supply of miniature circuit breaker (MCB) triple pole & neutral, 415 volt A.C complete with all accessories suitable to to fix on a din-bar etc. as required (SQCA Category A or Equivalent Make)				
	32A	6.00	Each		
17	Supply of residual current circuit breaker (RCCB) 4 pole, sensitivity 100mA, 415 volt A.C complete with all accessories suitable to to fix on a din-bar etc. as required (SQCA Category A or Equivalent Make)				
	32A	6.00	Each		
18	Supply of TPN distribution board (DIN type, vertical) with arcylic door, 415 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required (SQCA Category A or Equivalent Make)				
	6way	1.00	Each		
19	Providing and fixing of wooden frame structure appropriate with wire mesh duly approved by engineer in-charge for enclosing the MCB DB Box (sub distribution board) locking arrangement etc. as required	6.00	Set		

20	Providing and fixing of Main Control Panel Board, Powder coated prefabricated with M.S angle/flat with providing Indication Lamp and Fuse unit etc as per site requirement to accomodate switch gears incoming/outgoing busbars, energy meter etc. including drilling holes, welding, insulator, painting, denting, grounding, thimbling, testing, connection etc. complete as required with locking arrangement approved by engineer incharge				
	Floor Mounted MS Cubical Panel of Welded Construction	1.00	Set		
SUBTOTAL FOR CONTROL, SWITCHGEARS & BUSBAR					
D					
21	Erection of all indoor/outdoor surface type wall bracket (single or double)/ surface ceiling fittings GLS lamps/ bulk head GLS lamp / all types call bell / all type picture or mirror lighting luminaries fittings with all accessories, fixing of lamp, testing etc. as required including connection with PVC insulated copper conductor				
	1.5 sq.mm single core cable 1.1 KV grade	72.00	Each		

22	Installation, testing and commissioning of prewired fluorescent fittings of all surface type complete with all accessories and tubes directly on ceiling/wall as required including connection with PVC insulated copper conductor				
	1.5 sq.mm single core cable 1.1 KV grade	36.00	Each		
23	Installation, testing and commissioning of all size ceiling fan and regulator including wiring the down rod of standard length upto 300mm with PVC insulated copper conductor				
	1.5 sq.mm single core cable 1.1 KV grade	30.00	Each		
24	Installation, testing and commissioning of exhaust fan upto 450mm sweep the existing opening including making the hole to suit the size of the indicated fan making good the damages, and connection with PVC insulated copper conductor				
	1.5 sq.mm single core cable 1.1 KV grade	1.00	Each		
25	Installation, testing and commissioning of prefabricated bus bar chamber with copper bus bar complete with all accessories including connections etc. as required				

	4 strips, 600mm length, 300A	1.00	Each		
26	Installation, testing and commissioning of SP/DP miniature circuit breaker DIN type complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required				
	6/10/16/20A	96.00	Each		
27	Installation, testing and commissioning of TP miniature circuit/ isolator breaker complete with all accessories to accommodate on/in prefabricated MS surface/MS cubical control panel board including drilling holes, connections etc as required				
	32A, 415V	6.00	Each		
28	Installation, testing and commissioning of four pole moulded case circuit breaker (DIN type) breaking capacity 36K complete with all accessories to accommodate on/in prefabricated MS surface/MS cubical control panel board including drilling holes, connections etc as required				
	160A, 415V	1.00	Each		

29	Installation, testing and commissioning of TPN DB (DIN type, horizontal/vertical) with no door, metal door or acrylic door (double/single door) complete with all accessories to accommodate incoming RCCB/ELCB/RCBO FP 100A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc. as required				
	6 way	1.00	Each		
30	Supply and laying of armoured underground cables in cable trenches for supply mains between distribution feeders and service connections to buildings				
	Main Service cable 4- core XLPE Armour cable 150sq.mm	30.00	Mtr		
	Sub Main cable 3- core XLPE Armour cable 16sq.mm.	30.00	Mtr		
SUBTOTAL FOR ERECTION/INSTALLATION					
E					

31	Providing and fixing of earthing including all accessories, machinery enclosure, C.I cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing				
	With G.I earth plate 600x600x6mm	2.00	Each		
32	Providing and laying of metal strip at 0.5m below ground level for as strip earth electrodes including soldering etc as required				
	25x6mm G.I strip	100.00	Mtr.		
33	Providing and drawing wire for loop earthing in existing surface/ recessed PVC/MS/ steel conduit or casing capping or wooden batten along with other wires as required				
	2.032mm (14SWG) copper wire	700.00	Mtr.		
34	Providing and fixing lightning conductor including holes etc. complete as required				
	25mm dia 900mm long copper tube four prong at top.	1.00	Mtr.		

35	Providing and fixing metal strip on parapet or surface of wall/roof for lightning conductor as required for vertical run (Length as per site requirement)				
	25x4mm G.I strip	30.00	Mtr.		
SUBTOTAL FOR EARTHING & LIGHTNING PROTECTION					
F					
36	Supplying of 4- Core 1.1KV grade PVC insulated and sheathed Aluminium conductor armoured power cables				
	120 sq.mm	200.00	Mtr.		
37	Supplying of heavy duty brass double compression gland for 4- Core 1.1KV grade PVC insulated and sheathed Copper/ Aluminium conductor armoured/un-armoured power cables				
	45mm dia, 120sq.mm	2.00	Each		
38	Laying of one number PVC insulated and sheathed power cable copper/aluminium,armoured/un-armoured 1.1KV single core to four core direct in the ground including excavation, sand cushioning, protective covering and refilling the trenches etc. as required				

	Above 70sq.mm to 150sq.mm	200.00	Each		
39	Installation, Testing and Commissioning of end termination with single/double compression gland for PVC insulated and sheathed aluminium/ copper conductor cable of 1.1KV grade including connections etc. as required				
	45/50/55mm dia	2.00	Each		
40	Providing and laying of HDPE conduits for drawing in of the service cables and earthing mains between MDB location and plinth of building or footpath/road crossings at depth not less than 750mm for part in the ground and embedded in the wall surfaces in b				
	32mm dia HDPE conduit pipe	30.000	Mtr		
	50mm dia HDPE conduit pipe	20.000	Mtr		
	WIRING FOR POWER CABLE				
	ELECTRICAL TOTAL FOR ONE BUILDING				