

BoQ for Electrical Work

Name of work: Internal Elctrification of MPH at Chokhor Community Primary School

Location : Chokhor Gewog, Bumthang

Sl. No.	Description	Qty	Unit	Rate in figure	Rate in words	Amounts
	Wirings					
1	Wiring for light, fans, call bell & 2 pin light socket outlet with 1mm ² 1.1kvg, PVC insulated copper conductor cable in surface MS conduit pipe including connections, painting, testing and commissioning etc as required.					
	Short point	3	Pt			
	Medium point	5	Pt			
	Long Point	7	Pt			
2	Wiring for 3pin, 6/16 ampere plug point with 4mm ² 1.1kvg, PVC insulated copper conductor cable in MS conduit pipe including 3 pin, 6/16A socket outlet and switch including earthing the 3rd pin connections, painting, testing and commissioning etc as required.					
	Medium point	2	Pt			
	Long Point	4	Pt			
3	Wiring for lighting circuit with 1.1kvg, pvc insulated copper conductor cable in recessed HDPE pipe including connection, painting, testing, and commissioning etc as required - 2x2.5 mm ²	75	Mtr			
	Indoor luminiaries					
4	Providing and fixing of Batten holder, heavy duty including CFL lamps of 18 watts	2	Each			
5	Supplying of electric tube lite of 4 ' long complete as required- 1x40watts	10	each			

	Indoor luminaires					
6	Supplying of fluorescent lamp 250 volts -TL lamp of 40watts	10	Each			
	Control Gears/Bus bar/Distribution boards					
	Supply of miniature circuit breaker (MCB) single pole, 230 volt ac complete with all accessories suitable to fix on din bar etc as required					
7	6A	2	Each			
8	10/16A	6	Each			
9	Supply of RCCB(Residual current circuit breaker), 2 pole , sensitivity 100mA, 230volts complete to fix on a din bar etc as required -32A	1	Each			
10	Supply of SPN distribution board (Din type, horizontal) without door, 230 volts ac complete with all accessories without MCB/isolater/RCCB outgoing or incoming etc as required - 2 ways	2	Each			
11	Supply of SPN distribution board (Din type, horizontal) without door, 230 volts ac complete with all accessories without MCB/isolater/RCCB outgoing or incoming etc as required - 8 ways	1	Each			
12	Supply of miniature circuit breaker (MCB) 2 pole, 230volt ac complete with all accessories suitable to fix on a din bar etc as required- 32A	1	Each			
13	Providing and fixing of wooden DB as required at site complete	1	Each			
	Erection/Installation					
14	Erection of all recessed types ceiling fittings/wall fitting, GLS lamp, fixing of lamps, testing etc as required including connection with PVC insulated copper conductor - 1mm2 single core cable 1.1kvg	3	Each			

15	Installation, testing, and commissioning of prewired flourescent fittings of recessed types complete with all and tubes on ceiling including connection with PVC insulated copper conductor - 1mm2 single core 1.1kvg	10	Each			
16	Installation, testing, & commissioning of SPN/DP MCB 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 - 6/10/16A	8	Each			
17	Installation, testing & commissioning of SPN DB din type, without door, metal door or arcylic door (double/single) complete with all accessories on/in prefabricated MS surface panel board including drilling holes, connections etc as required - 25/32/40A	2	Each			
18	Installation, testing & commissioning of SPN DB din type, without door, metal door or arcylic door (double/single) complete with all RCCB DP 32/40A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface panel board including drilling holes, connections etc as required - 8 ways	1	Each			
	Power cables					
	Suppling of 2 core 1.1kvg PVC insulated & sheathed aluminium conductor armoured power cables					
19	16mm2	55	Mtr			
21	6mm2(Unarmoured cable)	50	Mtr			
	Earthing					

22	Providing & laying of earthing including all accessories, machinery enclosure, CI cover plate, having locking arrangement, watering pipe with excavation & refilling work including charcoal or coke & salt complete as required as to the standard drawing with GI earth plate 600x600x6mm	1	Each			
23	Providing & laying earth connection from earth electrodes in 15mm dia GI pipe as required as per the standar earthing - with GI 4.06mm dia (8swg) GI wire	8	Mtr			
24	Providing & fixing of wire on surface or in recessed for loop earthing as required - 2.032mm (14swg) GI wire	50	Mtr			
25	Others-					
	Providing and fixing of outdoor LED lights of 100watts complete	2	Sets			

Total