

BILL OF QUANTITY					
Name of Project:			400/110kV Substation at Thappagundu		
Name of Work:			Construction of Security Hut		
Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1 a	Earth work excavation in stiff clay, stiff black cotton, red earth,shales,murram gravel,stone earth and earth mixed with small size boulders and hard gravelly soil and depositing on bank with initial lead of 10m and lift of 2m etc., complete.	m3	5		
2	Plain cement concrete M 10 using 12 to 20mm (machine crushed) hard broken stone without form work including cost of all materials, labour, lead lift etc complete.”	m3	2		
3	RCC 1:1.5:3 for raft and pedestal etc.using 12 to 20mm down graded HBG metal including cost of materials,labour lead,lift, SHUTTERING/ form work etc.				
a	For raft	m3	3		
b	For pedestals	m3	2		
c	Beam & Lintels	m3	3		
d	Chajja	m3	1		
e	Slab	m3	2		
4	Fabricating and placing in position of steel reinforcement including cost of binding wire,labour for cutting,bending and tying in position etc. complete. Steel supplied by BHEL	Kgs	200		
5	Refilling the sides of plinth with excavated good earth, excavated from the pits for structures etc, and consolidation as per standards and specification etc., complete.	m2	3		
6	Removing and transport of excavated earth and dumping in low lying area within sub station premises including cost of labour, lead, lift, etc. complete	m2	2		
7	Fly ash brick work in CM 1:6 for wall 23 cm thick including cost of all materials leads lift and curing etc complete	m3	6		
8	PCC M 10, 100 mm thick using 12 to 20 mm hard broken stone aggregate including shuttering materials, lead lift etc complete	m2	10		
9	Supplying and fixing of steel window partly openable, partly fixed with grill (Size of the window W2 1475 X 1475 mm as per IS 1038-1958 (1245 IS) using 50x50x2mm and 25x25x2mm section glazing clips rubber beadings hinges handle 5 mm thick sun cool glass panneling including cost of materials, lead, lift etc complete.	m2	4		
10	Granolithic cement concrete M15 mix for floor finish 20 mm thick using stone chippings of 10 mm size and below.including cost of all materials, labour, lead, lift etc complete	m2	10		
11	Plastering with CM 1:5, 12mm thick for interior faces of walls in all floors. including cost of all materials and scaffolding etc. complete.	m2	35		
12	Plastering with CM 1:3, 20 mm outside walls including cost of all materials and scaffolding etc. complete.	m2	35		
13	Painting with 2 coats interior emulsion paint of approved colour over a priming coat of white cement including cost of all materials, labour, lead, lift etc complete for interior walls.	m2	40		
14	Painting the outside walls with two coats of exterior emulsion over a primer coat of approved colour and quality including cost of all materials, lead and lift etc., complete	m2	40		
15	Weathering course over roof slab with brick jelly 20 mm size and lime mortar in the ratio of 32:12.5 to an average thickness of 80mm and to required slope and providing one course of pressed tiles of size 150x150x20 mm or 200x200x20 mm, set in C.M 1:3 mixed with crude oil 10% by weight of cement and pointing with CM 1:3 mixed with crude oil. (including water proofing treatment over roof to prevent leakage)	m2	10		

Schedule-IV

16	Supplying and fixing PVC downfall pipes 100/110 mm dia with necessary couplings, grating shoes, bends, clamps etc complete including cost of all materials and making holes in masonry on concrete and restoring affected surface to original condition.	RM	4		
17	Providing and fixing 100 mm PVC bend & shoe for rain water	Nos	2		
18	Plastering with CM 1:3, 12mm thick to the exposed faces of under side of RCC slabs, sides and soffits of beams in all floors. including cost of all materials and scaffolding etc. complete.	m2	10		
19	Painting 2 coats using white cement for ceiling in all floors and exposed faces of beams including cost of all materials and scaffolding etc. complete.	m2	10		
20	Supply & Fixing of steel door using 50x50x6 mm for outer frame, 25x25x6 mm for shutter frame with MS flat 25x6 mm 3 nos and for panels with 12 mm thick one side laminated MDF duratuff exterior quality with bolts, washer, hinges 12 mm dia tower bolt of 200x38x2.4 mm at top and 150x38x2.4 mm at bottem 1 No 250x16 mm Al drop etc complete as per standard drawing and specification as well as per the direction of Engineer at site (size of Door 1000x2100 mm single leaf).	m2	2.10		
	Total Amount (Rs.)				