

BILL OF QUANTITY

Name of Project

400/110kV Substation Thappagundu

Name of Work

Civil works for land development and boundary wall

Sl. No.	Quantity	Unit	DESCRIPTION	Unit Rate (Rs)	Amount (Rs)
1	10,000	m3	Cutting and Filling in low lying area for levelling the surface including cost of cutting the gravelly soil / soft disintegrated rock with JCB / other machineris , consolidation as per specification & with power roller including all labour lead and lift etc complete. As per clause no. 1.3.4.2 of section-1 (Scope, Specific Tech. Requirement)		
2	2,000	m3	Earth work excavation for foundation in hard gravelly soil with initial lead and lift of etc., complete.		
3	500	m3	Earthwork excavation for foundation in soft disintegrated rock not requiring blasting with lead and lift etc complete.		
4	200	m3	Earthwork excavation for foundation in medium rock and dense medium rock not requiring blasting including all lead and lift etc complete.		
5	100	m3	Earthwork excavation for foundation in hard rock measured in solid including blasting / hammer drilling with jack hammer using compressor and stacking all lead and lift etc. complete.		
6	180	m3	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."		
7			RCC 1:1.5:3 using 20mm to 12mm down graded HBG metal with form work including cost of all materials, labour, lead, lift, etc., but excluding cost of steel reinforcement for rafts		
a)	355	m3	Raft		
b)	50	m3	side walls		
c)	110	m3	Column		
d)	110	m3	Beam		
8	55	MT	Providing RTS/MS reinforcement including cost of steel, binding wire, labour for cutting, bending, tying and fixing, all lead, lift, etc., complete		
9	1,200	m3	Fly ash Brick work in CM 1:6 for wall 23 cm thick including cost of all materials leads lift and curing etc complete.		
10	6	MT	Supplying , fabricating ,Galavanising and fixing in position of Y post including cost of materials labour,lead,lift etc complete		

Sl. No.	Quantity	Unit	DESCRIPTION	Unit Rate (Rs)	Amount (Rs)
11	2,206	RM	Labour charges for tying barbed wire 6 rows horizontally and spiral binding at 0.5m interval including straightening ,tying with GI binding wire, lead, lift, etc, complete as directed by department Engineer at site.		
12	2,206	Kg	Supplying hot dipped GI barbed wire 12 SWG 120 x 2.5 x 2 ply 4 pointed type 100 mm apart confirming to ISS 278/1978 (IOWA type) including transporting to the site. Quality and make to be approved by Department Engineer at site		
13	11,000	m2	Plastering with CM 1:3 12 mm thick for wall sides including cost of all materials labour etc complete		
14	11,000	m2	Painting with 2 coats of approved colour cement paint over priming coat of white cement including cost including cost of all materials, labour, lead, lift etc complete for exterior faces of walls.		
15	1,000	m3	Refilling with excavated soil complying with standard specification for filling including cost of labour, lead, lift, watering consolidation etc. complete.		
16	580	m3	Removal of surplus earth away from site to lift and spreading wherever necessary with std specification etc. complete		
17	800	Nos.	Providing weep holes using PVC pipes including cost of all materials, PVC pipes, fixing charges etc., complete		
18	2,300	Kg	Fabricating of M.S Gate by using angles, Square rods ,M.S Plates including cost of all materials, labour charges for cutting, welding and providing anchor cleats/ Flats and placing in position, transport charges from work shop to site including painting with red oxide one coat and enamel paint two coat.		
19	700	m3	RR masonry in CM 1:5 using random rubble stone including cost of all materials leads and lifts etc. complete.		
			Total Value		