

BILL OF QUANTITY

Name of Project

400/230/110kV Substation Anikadavu

Name of Work

Civil works for Land development and boundary wall

SI. No	Qty	Unit	Description of work	Unit Rate (Rs)	Amount (Rs)
1	28,000	m3	Cutting and Filling in low lying area for levelling the surface including cost of cutting in all type of soils 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	230	m3	Earth work excavation for foundation in clay soil , hard gravelly soil with initial lead and lift of etc., complete.		
3	200	m3	Earthwork excavation for foundation in soft disintegrated rock not requiring blasting with lead and lift etc complete.		
4	60	m3	Refilling with excavated soil complying with standard specification for filling including cost of labour, lead, lift, watering consolidation etc. complete.		
	360	m3	Removal of surplus earth away from site to lift and spreading wherever necessary with std specification etc. complete		
5	50	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."		
6			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)	50	m3	Raft		
	50	m3	Wall		
b)	90	m3	Column		
c)	105	m3	RCC plinth beam		
7	100	m3	Providing of 9 inch augur hole using required tools and tackles to required depth for compound wall foundation as directed by Engineer incharge and providing RCC 1:1.5:3 using 20mm to 12mm down graded HBG metal without form work including cost of all materials, labour, lead, lift, etc., but excluding cost of steel reinforcement for rafts		
8	28	MT	Providing RTS/MS reinforcement including cost of steel, binding wire, labour for cutting, bending, tying and fixing, all lead, lift, etc., complete		
9	1,000	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	7	MT	Supplying , fabricating ,Galavanising and fixing in position of Y post including cost of materials labour,lead,lift etc complete		
11	3,000	Kgs	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.		

SI. No	Qty	Unit	Description of work	Unit Rate (Rs)	Amount (Rs)
12	1,600	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. Quality and make to be approved by Department Engineer at site.		
13	8,000	m2	Plastering with CM 1:5, 12 mm thick for compound wall sides and tops including cost of all materials labour etc complete		
14	8,000	m2	Painting with 2 coats of approved colour cement paint over priming coat of white cement including cost of all materials, labour, lead, lift etc complete for exterior faces of walls.		
15	1,000	Nos.	Providing weep holes using PVC pipes including cost of all materials, PVC pipes, fixing charges etc., complete		
16	50	m3	R.R Masonry in dry packing and pointing with CM 1:3 for arrangements including cost of all materials ,labour ,lead and lift etc. complete.		
17	200	m3	RR masonry in CM 1:5 using random rubble stone including cost of all materials leads and lifts etc. complete.		
18	50	m2	Plastering with CM 1:3 12 mm thick for wall sides including cost of all materials labour etc complete		
19	1,440	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.		
			Total Value		