

Name of Project 400/230/110kV Substation Anikadavu					
Name of work : CONSTRUCTION OF RCC FOUNDATION FOR TOWERS, EQUIPMENT,LIGHTNING MAST, TRANSFORMER ETC.					
Sl. No.	Qty	Unit	DESCRIPTION OF WORK	Unit Rate (Rs)	Total Amount (Rs)
1 a	15,600	m3	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.		
b	6,500	m3	Earthwork excavation for foundation in soft disintegrated rock not requiring blasting with lead and lift etc., complete.		
c	2,600	m3	Earthwork excavation for foundation in medium rock and dense medium rock not requiring blasting including all lead and lift etc complete.		
d	1,300	m3	Earthwork excavation for foundation in hard rock including blasting / hammer drilling with jack hammer using compressor ,all lead and lift etc. complete.		
2	2,300	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."		
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 form work etc.		
a	2,400	m3	For raft		
b	4,700	m3	For pedestals		
4(a)	200	MT	Supplying,Fabricating and placing in position of steel reinforcement including cost of steel,binding wire,labour for cutting,bending and tying in position etc. complete. Reinforcement steel to be procured from SAIL, TISCO, IISCO, RINL, Jindal Steel only.		

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4(b)	900	MT	Fabricating and placing in position of steel reinforcement including cost of binding wire,labour for cutting,bending and tying in position etc. complete. Reinforcement steel shall be supplied by BHEL free of cost as per norms indicated in conditions of contract. The rate quoted against this shall deemed to be inclusive of cost against all activities required including transportation of material from (SAIL,TISCO, IISCO, RINL, Jindal Steel or rerollers approved by main producers) stockyard.		
5			Assembling of templates and fixing the foundaion bolts in position without any tilt until completion of concrete,checking the alignment for various structures including cost of template, labour,lead lifts etc complete		
a	101	Nos	For Towers and lightning mast		
b	1,306	Nos	For other equipments		
6			Fabricating,galvanising & supplying of foundation bolts manufactured with EN 8 steel of various sizes as per drawing with 3 Nos GI nuts including welding a plate of size 100x100x12mm thick at the bottom of bolt including cost of materials, labour, lead lift etc., complete		
a	640	Nos	M 32-700mm long (For TA column)		
b	416	Nos	M 36-1200mm long (For TB column)		
c	160	Nos	M 56-1400mm long (For TC column)		
d	144	Nos	M56-1750mm long-lightning mast		
e	20	Nos	M32-900mm long		
f	20	Nos	M36-1100mm long		
g	20	Nos	M42 -1300 MM long		
h	144	Nos	M28-900mm long- Isolater		
7			Fabricating, galvanising & supplying of foundation bolts manufactured with steel of various sizes as per drawing with 3 Nos GI nuts including welding a plate of size 100x100x12mm thick at the bottom of bolt including cost of materials,labour,lead lift etc., complete		
a	5,000	Nos	M20-600mm long-CT		

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11	9,100	m3	Refilling the sites of plinth with excavated good earth, excavated from the pits for structures etc., vide item 1 (b) and 1 (c) and consolidation as per standards & specification etc., complete.		
12 (a)	15,600	m3	Removing and transport of excavated earth (clay soil) vide item 1 (a) and dumping in low lying area within sub station premises including cost of labour,lead,lift etc complete		
(b)	10,000	m3	Refilling the sides of foundation for plinth , cable duct sides, by transporting the gravel from outside within a lead of 10 kms and consolidation as per specification including all labour, lead, lift,		
13	100	Nos	Providing necessary pocket holes in transformer plinth for accessories supports etc complete		
14	4,000	Kgs	Supply and fixing of rails in transformer plinth including cost of material and fixing charges etc complete		
15	2	Nos	supply and erection of 2 HP Monoblock pump for sump to drain out water including cost of suitable GI suction and delivery pipes, cover for motor, wiring, all labour, lead, and lift etc., complete.		
16	200	m3	Filling with pebbles of size 60 mm to 40 mm in soak pit around transformer plinth including cost of all labour lead and lift etc. complete.		
17	12,000	m2	Plastering with CM 1:3 12 mm thick for wall sides including cost of all materials labour etc complete		
18	12,000	m2	Painting with 2 coats of approved colour cement paint over priming coat of white cement including cost ncluding cost of all materials, labour, lead, lift etc complete for exterior faces of walls.		
			Total Value		