

Schedule-I

BILL OF QUANTITY					
Name of Project:			400/110kV Substation at Thappagundu		
Name of Work:			Providing RCC Foundation For Towers, equipment, Lightning Mast		
Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1a	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	2000		
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	95		
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	210		
b	For pedestals	m3	100		
c	side wall T/F Dyke wall	m3	45		
4a	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.	MT	1		
4b	Labour rate for fabricating and placing in position of steel reinforcement(supplied by BHEL) including cost of binding wire,labour for cutting,bending and tying in position etc. complete.	MT	25		
5	Assembling of templates and fixing the foundation 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	For other equipments	Nos	120		
6	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	M 20- 600 mm long – CT,LAS,CVT,WT,support	Nos	540		
8	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.	m3	4535		
9	Removing and transport of excavated earth and dumping in low lying area within sub station premises including cost of labour, lead, lift, etc. complete	m3	2000		
10	Providing necessary pocket holes in transformer plinth for accessories supports etc complete	Nos	36		
12	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.	Nos	2		
13	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.	m3	1000		
14	Plastering with CM 1:3 12 mm thick for wall sides including cost of all materials labour etc complete	m2	1000		
15	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.	m2	1000		
16	Labor rate for fixing of M S Plate, flat & Rail etc i/c welding, leveling and alignment for T/F fdn below Rail, Jacking pad (including all operations)	Kgs	3500		
17	Supply & Fixing 300 dia NP-4 RCC pipe including Collars jointing with 1:2 Cement Sand (fine) Mortar including testing of joints etc complete as per drawing	RM	300		

Schedule-I

BILL OF QUANTITY					
Name of Project:			400/110kV Substation at Thappagundu		
Name of Work:			Providing RCC Foundation For Towers, equipment, Lightning Mast		
Sr.No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
18	Supply & Fixing 300 dia Steel pipe for Oil Collection pit.	RM	40		
19	Grouting of Tower & Equipment Columns with RCC 1:1.5:3 (1 Cement:1.5 Coarse sand:3 stone aggregate 20 mm and 12 mm) including admixture, shuttering, materials, labour tool and tackles etc complete	Nos	1311		
	Total Amount (Rs.)				