

ABSTRACT

BID SHEET FOR CONSTRUCTION OF CABLE TRENCH, EARTHMAT, PCC AND GRAVELLING FOR GOLDSTONE BAY AT 132/33KV MYNKRE SUBSTATION

Sl. No.	Name of Equipments	No.of Units	Rate/Unit (Rs)	Total Amount (Rs)
1	Construction of Cable Trench for Goldstone Bay at 132/33kV Mynkre Substation.	Lot		
2	Construction of Earthmat for Goldstone Bay at 132/33kV Mynkre Substation.	Lot		
3	Construction of PCC & Graveling for Goldstone Bay at 132/33kV Mynkre Substation.	Lot		
		Total		

BID SHEET FOR CONSTRUCTION OF 132KV CABLE TRENCH FOR GOLDSTONE BAY AT 132/33KV MYNKRE

Item No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
1	Earthwork in excavation upto a depth of 2m below the existing ground level for foundation trenches of foundations, footings of column/walls, retaining walls, septic tank etc. including bailing out water where necessary and removal of surplus earth with all lead and lifts as directed and specified for the following classificaiton of soils. (a)All Kinds of Soil	61.60	m ³		
2	Providing brick soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete (b)(Stone soling of thickness 100 mm	56.00	m ²		
3	Plain cement concrete works with course aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:4:8(1 cement : 4 coarse sand : 8 course aggregate by volume (using mixture machine)	5.60	m ³		
4	Supplying, fitting and fixing in position reinforcement bars up to 1st floor level, conforming to relevant I.S. Code for Ft.C.C.work/ a.a. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs,spacers etc. complete. (Rates inclusive of all wastage,lappage, hooks, chairs, anchorage etc. and no measurement for the same is required) (a) Mild steel and Medium Tensile steel bars				
	Footing 10mm dia (@0.15)			223.20	
				58.16	
	RCC slab cover 12mm dia (@015)			712.36	
	RCC slab cover 10mm dia			198.40	
	Walls 12mm dia(@0.2)			1602.00	
	Walls 10mm dia			496.00	
				3290.11Kg	
		32.90	Qntl		
5	Centering and shuttering Including strutting, propping etc. and removal of form for all heights compctce and as directed by Engineer in charge. Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards (using timber). (a) Foundations, Footings, bases of columns,Pile cap, raft and mass concrete works etc.				
	Walls			72.00	
	RCC slab cover			48.00	
		120.00	m ²		
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost Of centerjng, shuttering,finishing and reinforcement- All work up to plinth level: (a) M15 or Prop.1 :2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)				
	RCC Footing			5.60	
	Walls			10.80	
	RCC slab			4.80	
		21.20	m ³		

7	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat Of neat cement.....						120.00	m ²				
	(a) 15 mm cement plaster											
	Both side of the walls										72.00	
	RCC slab cover										48.00	
8	Structural steel work in single section, fixed with or without per kg 117.00						440.0	Kg				
	In MS angles, channels, tees etc.											
	30x30x5mm angle			40/0.50	1.000	200 rm						
	200@2.2Kg/m=440 kg											
9	600mmx50mmx2mm thk,hot dip galvanize perforated type cable tray.						40.00	Rm				
10	300mmx50mmx2mm thk,hot dip galvanize perforated type cable tray.						40.00	Rm				
11	Joint coupler 150mm x 200mm						40.00	Rm				
12	Joint coupler 50mm x 200mm						40.00	Rm				
13	Extra lead per km truck carriage for sand, gravel, Mawthup beyond the initial lead of 5KM.						592.6	km-m ³				
	(i) Stone and Agreegate (as per Annexure-C-12.1)											
	From Umtyra to Mynkre substation, 25KM=25-5=20KM extra lead											
											20.000	29.63
	(ii) Sand (as per Annexure-C-12.1)						876.2	km-m ³				
	From Myndtu River to Mynkre substation, 70KM=70-5=65KM extra lead											
											65.000	13.48
TOTAL												

ESTIMATE FOR PCC AND LAYING OF GRAVELLING FOR THE SWITCHYARD OF GOLDSTONE AT 132/33KV MYNKRE												
Item No.	Description								Qty	Unit	Rate in Rs.	Amount in Rs.
1	Earthwork in excavation upto a depth of 2m below the existing ground level for foundation trenches of foundations, footings of column/walls, retaining walls, septic tank etc. including bailing out water where necessary and removal of surplus earth with all lead and lifts as directed and specified for the following classificaiton of soils.....								27.96	m ³		
	(a) In ordinary rock (soft rock/ medium rock/ hard shale)											
2	Plain cement concrete works with course aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).								27.96	m ³		
	(a) in prop 1:4:8(1 cement : 4 coarse sand : 8 course aggregate by volume											
3	Plain cement concrete floor base in prop 1 :3:6 laid in alternate bays as specified with coarse aggregate Of size 13 mm to 32 mm.including dewatering if necessary and curing etc complete.....								27.96	m ²		
(c) 100 mm thick in prop 1:3:6												
4	75 mm thick back filling for pitohing including supplying of required materials and consolidation etc. complete with:								279.57	m ²		
(c) Stone aggregate 40 mm nominal size												
5	Labour for Providing soling with stone/ best quality picked jhama brick,sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete.								279.57	m ²		
(b)Stone soling (i) 100 mm												
6	Extra lead per km truck carriage for sand, gravel, Mawthup beyond the								592.69	km-m ³		
	(i) Stone and Agreegate (as per Annexure-C-)											
	From Umtyra to Mynkre substation, 25KM=25-5=20KM extra lead											
							20.000	29.63				
	(i)Sand (as per Annexure-C-)									54.52	km-m ³	
From Myndtu River to Mynkre substation, 70KM=70-5=65KM extra lead												
						65.000	0.84					
Total												

Bid Sheet for Laying of Earthmat for Goldstone bay at Mynkre Substation.

Sl.No	Name of Material	Unit	Qty	Rate with GST (Rs)	Amount(Rs)
1	Earth work in excavation for Earth pit (b) 14(1x1x1.0)=14.0	M ³	14		
2	Earth work infilling with available excavated earth 14(1x1x1.0)=14.0	M ³	14		
3	Supply of M.S Rod 40mm for the Main Earth Ma 11x10.5=115.5 mtr 4x31.5= <u>126.00</u> mtr Total=241.50	Meter	241.50		
4	Supply of M.S Rod 40mm (Riser Below Ground)-30 mtr	Meter	30		
5	Supply of MS Flat 75x10 mm (Above Ground Riser)=30 mtr	Meter	30		
6	Supply of MS Flat 75x10 mm (Below Ground Riser)=30mtr	Meter	30		
7	Compound 1 (IEEE 80:2013 Cl.14.5d compound)	Kg	750		
8	Compound 2 (IEEE 80:200 Cl.14.5d compound)	Kg	500		
9	Laying of Earthmat including excavation,welding works,burying of electrodes, backfilling etc.	M ²	330.75		
10	Total				

BID SHEET FOR PCC AND LAYING OF GRAVELLING FOR THE SWITCHYARD OF GOLDSTONE AT 132/33KV MYNKRE					
Item No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
1	Earthwork in excavation upto a depth of 2m below the existing ground level for foundation trenches of foundations, footings of column/walls, retaining walls, septic tank etc. including bailing out water where necessary and removal of surplus earth with all lead and lifts as directed and specified for the following classification of soils. (a) In ordinary rock (soft rock/ medium rock/ hard shale)	27.96	m ³		
2	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:4:8 (1 cement : 4 coarse sand : 8 coarse aggregate by	27.96	m ³		
3	Plain cement concrete floor base in prop 1 :3:6 laid in alternate bays as specified with coarse aggregate Of size 13 mm to 32 mm including dewatering if necessary, and curing etc.complete. (c)100 mm thick in prop 1:3:6	27.96	m ²		
4	75 mm thick back filling for pitching including supplying of required materials and consolidation etc. complete with: (c) Stone aggregate 40 mm nominal size	279.57	m ²		
5	Labour for Providing soling with stone/ best quality picked jhama brick,sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (h)Stone soling (i) 100 mm	279.57	m ²		
6	Extra lead per km truck carriage for sand, gravel, Mawthup beyond the initial lead of 5KM.				
	(i) Stone and Aggregate				
	From Umytra to Mynkre substation, 25KM=25-5=20KM extra lead	592.69	km-m ³		
	(ii)Sand				
	From Myndtu River to Mynkre substation, 70KM=70-5=65KM extra	54.52	km-m ³		
	Total				