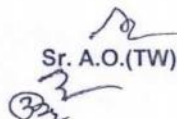


CHAPTER NO.2
EARTH WORKS INCLUDING FOUNDATION ACTIVITIES

Chapter Code No	DESCRIPTION OF WORK	UNIT	Rate/ Unit
1	2	3	4
2.1	Excavation of pit in soil (ordinary) to erect various supports and stay sets including stacking of excavated soil from the edge of excavation.		
	(A) Height of poles/R.S.Joist/M.S. Rail Size of pit		
2.1.1	8 Mtr/R.S.Joist/M.S. Rail 1.2mx0.6mx1.35 m deep	Pit	96.71
2.1.2	9 Mtr/ 1.2mx0.6mx1.50 m deep	Pit	103.05
2.1.3	10/11 Mtr/ 1.2mx0.6mx1.65 m deep	Pit	109.58
	(B) Lattice Tower /Size of pit		
2.1.4	11.4/10.8 Mtr/ 1.5mx1.5m x1.80 m deep	Pit	338.19
2.1.5	12.8/12.6 Mtr/ 1.5mx1.5m x2.10 m deep	Pit	357.43
	(C)Stay set/Depth of pit		
2.1.6	8'x 3/4" -0.75x0.5x1.6 m	Pit	80.56
2.1.7	6'x 5/8" -0.75x0.5x1.35 m	Pit	70.76
2.2	Excavation of pit in Hard soil		
	(A) Height of poles/R.S.Joist/M.S. Rail Size of pit		
2.2.1	8 Mtr/R.S.Joist/M.S. Rail 1.2mx0.6mx1.35 m deep	Pit	106.32
2.2.2	9 Mtr/ 1.2mx0.6mx1.50 m deep	Pit	113.36
2.2.3	10/11 Mtr/ 1.2mx0.6mx1.65 m deep	Pit	120.41
	(B) Lattice Tower /Size of pit		
2.2.7	11.4/10.8 Mtr/ 1.5mx1.5m x1.80 m deep	Pit	372.02
2.2.8	12.8/12.6 Mtr/ 1.5mx1.5m x2.10 m deep	Pit	393.32
	(C)Stay set/Depth of pit		
2.2.9	8'x 3/4" -0.75x0.5x1.6 m	Pit	88.62
2.2.10	6'x 5/8" -0.75x0.5x1.35 m	Pit	77.98
2.3	Excavation of pit in ordinary rock which does not require blasting to erect various supports and stay sets including stacking of excavated muck from the edge of excavation/pit.		
	(A) Height of poles/R.S.Joist/M.S. Rail /Size of pit		
2.3.1	8 Mtr/R.S.Joist/M.S. Rail 1.2mx0.6mx1.35 m deep	Pit	267.25
2.3.2	9 Mtr/ 1.2mx0.6mx1.50 m deep	Pit	283.40
2.3.3	10/11 Mtr/ 1.2mx0.6mx1.65 m deep	Pit	302.63
	(B) Lattice Tower /Size of pit		
2.3.4	11.4/10.8 Mtr/ 1.5mx1.5m x1.80 m deep	Pit	1452.36
2.3.5	12.8/12.6 Mtr/ 1.5mx1.5m x2.10 m deep	Pit	1735.76


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Chapter Code No	DESCRIPTION OF WORK	UNIT	Rate/ Unit
1	2	3	4
	(C) Stay set/Depth of pit		
2.3.6	8'x 3/4" -0.75x0.5x1.6 m	Pit	257.63
2.3.7	6'x 5/8" -0.75x0.5x1.35 m	Pit	231.86
2.4	Excavation of pit in Hard rock (Where blasting is required) to erect various supports and stay sets including stacking of excavated muck from the edge of excavation/pit.		
	(A) Height of poles/R.S.Joist/M.S. Rail /Size of pit		
2.4.1	8 Mtr/R.S.Joist/M.S. Rail 1.2mx0.6mx1.35 m deep	Pit	899.31
2.4.2	9 Mtr/ 1.2mx0.6mx1.50 m deep	Pit	1062.47
2.4.3	10/11 Mtr/ 1.2mx0.6mx1.65 m deep	Pit	1258.28
	(B) Lattice Tower /Size of pit		
2.4.4	11.4/10.8 Mtr/ 1.5mx1.5m x1.80 m deep	Pit	2938.22
2.4.5	12.8/12.6 Mtr/ 1.5mx1.5m x2.10 m deep	Pit	3217.32
	(C) Stay set/Depth of pit		
2.4.6	8'x 3/4" -0.75x0.5x1.6 m	Pit	735.80
2.4.7	6'x 5/8" -0.75x0.5x1.35 m	Pit	653.01
2.5	Earth work excavation and foundation of platform of transformers and breakers including dressing of sides and ramming of bottoms .Liftup to 1.5 Meter including taking out the excavated soil and depositing and refilling of jhiri, watering and ramming and disposal of surplus excavated soil as directed with in a lead of 50 Meter.		
2.5.1	Soft /loose soil	CUM	66.81
2.5.2	Hard /dense soil	CUM	85.37
2.5.3	Hard soil mixed with boulders	CUM	119.55
2.6	Providing and laying cement concrete including compaction etc, complete using stone aggregate 40 mm nominal size (hand broken) in foundation plinth excluding the cost of shuttering using 1 cement:5 sand:10 aggregate mix.	CUM	2627.85
Note			
1	The rates are all lead of cement,lime,ballast, sand,surkhi and grit etc.at site of work.		
2	For all concrete work coarse sand shall be used no extra will be paid .		
3	Concrete mix prepared by power driven mechanical mixer shall be used .		
4	Under exceptional conditions, where mechanical mixer and vibrator are not used(with the approval of Engineer Incharge reduced by 3% for mechanical mixer and 2% for Vibrator		
5	Thickness of the cement concrete should not exceed 100 mm.		
2.7	Plaster on new surface on walls in cement ,sand mortar 1:6 including racking of joint etc. complete fine finish 25 mm thick.	Sq.M	142.21
Note			
1	The rates for complete work including racking of joints,curing,grinding,mixing and finishing T&P and scaffolding material and cost of material with all lead and lift.		
2	The rates cover protection of all place and things,requiring protection and cleaing such places and thing of all droppings and splashes of mortar etc.		


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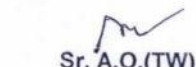
Chapter Code No	DESCRIPTION OF WORK	UNIT	Rate/ Unit
1	2	3	4
2.8	Cement concrete flooring grade 1:2:4 (1-cement :2- coarse sand :4-graded stone aggregate) rounding off edges etc.but excluding cost of nosing of steps etc. complete.		
2.8.1	25 mm thick with 12.5 mm thick nominal size aggregate.	SqM	185.50
2.8.2	75 mm thick with 20 mm thick nominal size aggregate.	SqM	442.10
Note			
1	The rates for all items inculde all form of work , laying ,curing and finishing etc. The rates are for complete work at site, inclusive of all leads.		
2	The rates cover the preparation and cleaing of all places		
2.9	Providing and fixing of reinforced ferro cement drain cover designed for Class -A leading duly marked on cover with adequate steel reinforced cement having thickness 75 mm to 150 mm with anti corrosive bitumen painted M.S. plate , Rim and M.S. lifting hooks admixture like plasticizer bond improving compound , shrinking resistance compound abrasion resistant complete as per approved design etc with span 300 to 450 mm and standard size 600x800 mm (when trench is working as a culvert).		
2.9.1	75 mm	SqM	2473.27
2.9.2	100 mm	SqM	2782.43
2.9.3	125 mm	SqM	3091.59
2.9.4	150 mm	SqM	3400.74
2.10	Supply & fixing of Fibre reinforced ferrocement drain cover (light duty) designed for Road side drain for Class-B loading duly marked on cover with adequate steel reinforcement having thickness 38 mm anti corrosive bitumen painted M.S. Plate, rim and on M.S. lifting hooks, additives and admixture like plasticizer, shrinkage resistance compound,abrasion resistance etc. as per approved drawing & design complete in all respect with span 300 to 450 mm and standard size 600x1200 mm (when trench is working as an ordinary trench).	SqM	1207.62
2.11	Masonry for foundation and plinth		
2.11.1	Randon Rubble stone masonry for foundation and plinth in cement sand mortar 1:6(1 Cement : 6 Sand) including labour charges.	Cum.	2133.19
2.11.2	Brick masonry for foundation and plinth in Cement sand mortar 1:6 (1 Cement : 6 Sand) including labour charges.	Cum.	3122.50

Note:

- 1 Rates provided are for the complete finished items inclusive of cost of water and materials with all leads labour, all type of taxes, royalty, scaffolding curing, laying fixing, finishing etc.hire charges for tools and plants templates and other appliance.
- 2 In case of non availability of stone header of proper size cement concrete header of mix 1:3:6(M-10) with 25 mm graded stone aggregate with smooth finish may be provided by the contractor at no extra cost.
- 3 The rates are inclusive of all applicable Taxes/ Duty except service tax which will be paid extra by Nigam if applicable.


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