

Detailed Estimate

OD/368/3534/120847/421738/00070010 : Improvement of Kukudatal Tank
Block : Nuapada, Gram Panchayat : Motanuapada
Created By: SATYAJEET MOHANTA

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	(Guard Wall)	1.000	54.000	0.750	0.750	0.000	30.375	-
ii	Cut Of Wall	2.000	30.000	0.300	0.300	0.000	5.400	-
iii	Brick Work	1.000	9.144	0.600	0.600	0.000	3.292	-
Total Quantity					39.06684 cum (cum)		39.06684 Cum (Cubic Meter)	
Amount					39.06684 X 240.77592		9406.35	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	1.000	54.000	0.750	0.150	0.000	6.075	-
ii	Paver Bed	1.000	30.000	3.050	0.100	0.000	9.150	-
iii	Brick Work	1.000	9.140	0.600	0.100	0.000	0.548	-
Total Quantity					15.7734 cum (cum)		15.7734 Cum (Cubic Meter)	
Amount					15.7734 X 449.756232		7094.18	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								

Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	1.000	54.000	0.750	0.150	0.000	6.075	-
ii	Guard Wall	1.000	54.000	0.600	1.500	0.000	48.600	-
iii	Brick Work	1.000	9.140	0.600	0.100	0.000	0.548	-
Total Quantity					55.2234 cum (cum)		55.2234 Cum (Cubic Meter)	
Amount					55.2234 X 5135.21274454		283583.91	

4. miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC

Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver Block	1.000	9.140	3.050	0.000	0.000	27.877	-
Total Quantity					27.877 Sqm (Sqm)		27.877 Sqm (Square Meter)	
Amount					27.877 X 507.945		14159.98	

5. Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure

Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Brick Work	1.000	9.140	0.750	0.750	0.000	5.141	-
Total Quantity					5.14125 cum (cum)		5.14125 Cum (Cubic Meter)	
Amount					5.14125 X 4816.973103		24765.26	

6. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Brick Work	1.000	9.140	0.000	0.980	0.000	8.957	-
Total Quantity					8.9572 Sqm (Sqm)		8.9572 Sqm (Square Meter)	
Amount					8.9572 X 238.474576218		2136.06	

7. Masonry Brick Work (AR0603d) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Brick Work	1.000	9.140	0.750	0.250	0.000	1.714	-
Total Quantity					1.71375 cum (cum)		1.71375 Cum (Cubic Meter)	
Amount					1.71375 X 4566.100604072		7825.15	

8. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	2.000	53.000	0.000	1.200	0.000	127.200	-
Total Quantity					127.2 Sqm (Sqm)		127.2 Sqm (Square Meter)	
Amount					127.2 X 216.23489289764		27505.08	

9. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	guard wall	1.000	54.000	1.500	0.160	0.000	12.960	-
ii	cutoff	2.000	60.000	0.660	1.000	0.000	79.200	-
Total Quantity					92.16 Cft (Cubic Foot)		2.609676288 Cum (Cubic Meter)	
Amount					2.609676288 X 6568.87082298		17142.63	
Total Amount							393618.62	
Addition								
Display Citizen Board (+) @							2400.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Provision for Contingency (+) @							3936.19	
Total Addition							6336.19	
Grand Net Total Amount							399954.80	

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