

Detailed Estimate

OD/346/3305/116246/393255/00068143 : Development of Barapada playground

Block : Nilgiri, Gram Panchayat : Matiali

Created By: Bharat Singh

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	72.360	1.000	1.000	0.000	72.360	-
ii		2.000	2.500	6.500	1.000	0.000	32.500	-
Total Quantity						104.86 Cft (Cubic Foot)	2.969299648 Cum (Cubic Meter)	
Amount						2.969299648 X 240.77592	714.94	
2. Pile Foundation (AR1501fa) : Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Hand broken) stone chips								
Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Hand broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		10.000	1.000	0.000	0.000	0.000	10.000	-
Total Quantity						10 Nos (Number)	10 Nos (Number)	
Amount						10 X 2392.96499977	23929.65	
3. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	72.360	1.000	0.330	0.000	23.879	-

ii		1.000	22.330	16.330	2.670	0.000	973.613	-
iii		2.000	2.500	6.500	0.330	0.000	10.725	-
Total Quantity						1008.216363 Cft (Cubic Foot)	28.549461107798 Cum (Cubic Meter)	
Amount						28.549461107798 X 895.226832	25558.24	

4. 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		1.000	72.360	1.000	0.330	0.000	23.879	-
ii		1.000	22.330	16.330	0.330	0.000	120.334	-
iii		2.000	2.500	6.500	0.330	0.000	10.725	-
Total Quantity						154.937937 Cft (Cubic Foot)	4.3873465744416 Cum (Cubic Meter)	
Amount						4.3873465744416 X 6324.54377126	27747.97	

5. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	24.000	0.830	0.830	0.000	33.067	-
ii		2.000	16.330	0.830	0.830	0.000	22.500	-
Total Quantity						55.566674 Cft (Cubic Foot)	1.5734703943232 Cum (Cubic Meter)	
Amount						1.5734703943232 X 6828.5634360367	10744.54	

6. 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		2.000	2.000	24.000	0.830	0.000	79.680	-
ii		2.000	2.000	16.330	0.830	0.000	54.216	-
Total Quantity						133.8956 Sft (Square Foot)	12.4393029268 Sqm (Square Meter)	
Amount						12.4393029268 X 216.23489289764	2689.81	

7. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.570	1.000	0.000	0.000	0.000	1.570	-
Total Quantity						1.57 Qntl (Quintal)	1.57 Qntl (Quintal)	
Amount						1.57 X 8657.3179493	13591.99	

8. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash 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		2.000	2.500	6.500	0.830	0.000	26.975	-
ii		2.000	2.500	5.340	0.670	0.000	17.889	-
iii		2.000	2.500	4.180	0.670	0.000	14.003	-
iv		2.000	2.500	2.680	0.670	0.000	8.978	-

v		2.000	2.500	0.680	0.670	0.000	2.278	-
Total Quantity					70.123 Cft (Cubic Foot)		1.9856589664 Cum (Cubic Meter)	
Amount					1.9856589664 X 5368.440816168		10659.89	

9. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash 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		2.000	24.000	0.830	2.170	0.000	86.453	-
ii		2.000	16.330	0.830	2.170	0.000	58.824	-
Total Quantity					145.276726 Cft (Cubic Foot)		4.1137719947968 Cum (Cubic Meter)	
Amount					4.1137719947968 X 5335.110816168		21947.43	

10. Plastering (AR1007) : 12mm thick cement plaster (1:4) over brickwork in inside with cement punning and bitumen painting 1 coat over top of wall

12mm thick cement plaster (1:4) over brickwork in inside with cement punning and bitumen painting 1 coat over top of wall including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, 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		2.000	24.000	3.000	0.000	0.000	144.000	-
ii		2.000	18.000	3.000	0.000	0.000	108.000	-
iii		2.000	2.500	10.000	0.000	0.000	50.000	-
Total Quantity					302 Sft (Square Foot)		28.056706 Sqm (Square Meter)	
Amount					28.056706 X 255.9548497936		7181.25	

11. Earth Work (AR0102c) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction H.R.R

Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	100.000	60.000	1.500	0.000	9000.000	-	
ii		1.000	110.000	40.000	2.000	0.000	8800.000	-	
iii		1.000	90.000	50.000	1.750	0.000	7875.000	-	
iv		1.000	4236.380	0.000	0.000	0.000	-	4236.380	
Total Quantity							21438.62 Cft (Cubic Foot)	607.073114816 Cum (Cubic Meter)	
Amount							607.073114816 X 221.24973948	134314.77	

12. miscellaneous (ARM209) : Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all r

Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all respect but excluding cost of angles and plates. (Well Sinking)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	277.600	1.000	1.000	0.000	277.600	-	
Total Quantity							277.6 Kg (Kilo Gram)	2.776 Qntl (Quintal)	
Amount							2.776 X 1213.36	3368.29	

Total Amount (A) : 282448.77

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for PH Work @ Rs.36088	-	36088
2	Provision for Contingency @ Rs.3500	-	3500
3	Display Citizen Board @ Rs.5000	-	5000

4	Any Other Lumpsum @ Rs.22963	other excavation works etc	22963
Additional Components Amount (F) : 67551			
Grand Total Amount (A + F) : 349999.76577883			

Bharat Singh
JE
Nilgiri Block

Sarat kumar Upadhyay
AEE
Nilgiri Block

Bikram Kishore Parida
BDO
Nilgiri Block