

Detailed Estimate

OD/365/3490/120098/389168/00014276 : CONSTRUCTION OF BOUNDARY WALL AT BANKISOLE UP SCHOOL UNDER

BANKISOLE G.P

Block : Baripada, Panchayat : Bankisole

Created By: BHIM CHARAN TUDU

1. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil 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	base foundation	10.000	4.000	4.000	4.000	0.000	640.000	-
Total Quantity					640 Cft (Cubic Foot)		18.122752 Cum (Cubic Meter)	
Amount					18.122752 X 196.3036		3557.56	
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	foundation base	10.000	4.000	4.000	0.500	0.000	80.000	-
Total Quantity					80 Cft (Cubic Foot)		2.265344 Cum (Cubic Meter)	
Amount					2.265344 X 1228.056172		2781.97	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	foundation base	10.000	4.000	4.000	0.500	0.000	80.000	-
Total Quantity					80 Cft (Cubic Foot)		2.265344 Cum (Cubic Meter)	
Amount					2.265344 X 5920.59946872		13412.19	

4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	rod	1.000	8.130	0.900	0.000	0.000	7.317	-
Total Quantity					7.317 Qntl (Quintal)		7.317 Qntl (Quintal)	
Amount					7.317 X 7903.0956114		57826.95	

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 centering and shuttering) complete and as per direction of Engineer-in-charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	foundation base	10.000	4.000	4.000	0.660	0.000	105.600	-
ii	tapered	10.000	8.330	0.750	0.000	0.000	62.475	-
iii	column up to pl	10.000	0.830	0.830	2.250	0.000	15.500	-
iv	GB	1.000	85.000	0.830	0.830	0.000	58.557	-
v	column up to top	10.000	0.830	0.830	4.000	0.000	27.556	-
vi	top of wall	1.000	85.000	0.830	0.250	0.000	17.638	-
Total Quantity					287.32525 Cft (Cubic Foot)		8.1361316392 Cum (Cubic Meter)	
Amount					8.1361316392 X 6307.0776514265		51315.21	

6. 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 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	wall	1.000	85.000	0.830	4.000	0.000	282.200	-
ii	column	10.000	0.830	0.830	4.000	0.000	-	27.556
Total Quantity					254.644 Cft (Cubic Foot)		7.2107032192 Cum (Cubic Meter)	
Amount					7.2107032192 X 5106.437920896		36821.01	

7. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (1:6) over Brick work in outside 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	85.000	5.000	0.000	0.000	425.000	-
Total Quantity					425 Sft (Square Foot)		39.483775 Sqm (Square Meter)	
Amount					39.483775 X 171.4690407144		6770.25	

8. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	85.000	5.830	0.000	0.000	495.550	-
Total Quantity					495.55 Sft (Square Foot)		46.03808165 Sqm (Square Meter)	
Amount					46.03808165 X 245.152030224		11286.33	

9. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	85.000	5.410	0.000	0.000	919.700	-
Total Quantity					919.7 Sft (Square Foot)		85.4428891 Sqm (Square Meter)	

Amount	85.4428891 X 158.45040549817	13538.46
Total Amount		197309.93
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		1973.10
Display Citizen Board (+) @		2754.90
Any Other Lumpsum (+) @		
Total Addition		4728.00
Grand Net Total Amount		202037.93