

Detailed Estimate

**OD/365/3490/120102/390523/00014290 : CONSTRUCTION OF BOUNDARY WALL AT KARATPETA PRIMARY SCHOOL
UNDER CHANDANPUR G.P
Block : Baripada, Panchayat : Chandanpur
Created By:SWARNALATA BEHERA**

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	Col.	7.000	1.200	1.200	1.200	0.000	12.096	-
ii	W/F	1.000	25.000	0.450	0.450	0.000	5.063	-
iii	Deduct col.	7.000	1.200	1.200	0.450	0.000	-	4.536
Total Quantity					12.6225 cum (cum)		12.6225 Cum (Cubic Meter)	
Amount					12.6225 X 235.56432		2973.41	
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	Col.	7.000	1.200	1.200	0.100	0.000	1.008	-
ii	Below GB	1.000	25.000	0.450	0.100	0.000	1.125	-
iii	Ded. Col.	7.000	1.200	0.450	0.100	0.000	-	0.378
Total Quantity					1.755 cum (cum)		1.755 Cum (Cubic Meter)	
Amount					1.755 X 1306.957372		2293.71	
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	Col.	7.000	1.200	1.200	0.100	0.000	1.008	-	
ii	Below GB	1.000	25.000	0.450	0.100	0.000	1.125	-	
iii	ded. col.	7.000	1.200	0.450	0.100	0.000	-	0.378	
Total Quantity					1.755 cum (cum)		1.755 Cum (Cubic Meter)		
Amount					1.755 X 6074.34176972		10660.47		

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

Rigid and smooth centering 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Col.	7.000	0.250	0.000	0.600	4.000	4.200	-	
Total Quantity					4.2 Sqm (Sqm)		4.2 Sqm (Square Meter)		
Amount					4.2 X 215.54039071844		905.27		

5. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centering 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. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Col.	7.000	0.250	0.000	1.500	4.000	10.500	-	
Total Quantity					10.5 Sqm (Sqm)		10.5 Sqm (Square Meter)		
Amount					10.5 X 1035.1991613133		10869.59		

6. 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	4.400	0.800	0.000	0.000	3.520	-	
Total Quantity					3.52 Qntl (Quintal)		3.52 Qntl (Quintal)		

Amount						3.52 X 7915.7049564	27863.28	
7. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bresher etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col.	7.000	0.900	0.900	0.200	0.000	1.134	-
ii	Trapezoidal	7.000	0.750	0.350	0.400	0.000	0.735	-
iii	upto GB	7.000	0.250	0.250	1.500	0.000	0.656	-
iv	G/B	1.000	25.000	0.250	0.300	0.000	1.875	-
Total Quantity					4.40025 cum (cum)		4.40025 Cum (Cubic Meter)	
Amount					4.40025 X 14426.694490752		63481.06	
8. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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
i	Below GL	1.000	25.000	0.450	0.200	0.000	2.250	-
ii	Ded. col	7.000	0.250	0.250	0.200	0.000	-	0.088
Total Quantity					2.1625 cum (cum)		2.1625 Cum (Cubic Meter)	
Amount					2.1625 X 5070.010937696		10963.90	
9. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (23cm x 11cm 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
i	Wall	1.000	25.000	0.250	1.250	0.000	7.813	-

ii	ded. col.	7.000	0.250	0.250	1.250	0.000	-	0.547
Total Quantity					7.265625 cum (cum)		7.265625 Cum (Cubic Meter)	
Amount					7.265625 X 5103.340937696		37078.96	
10. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)								
Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	25.000	0.000	1.500	0.000	75.000	-
Total Quantity					75 Sqm (Sqm)		75 Sqm (Square Meter)	
Amount					75 X 70.756555300133		5306.74	
11. 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	25.000	0.000	1.500	0.000	37.500	-
Total Quantity					37.5 Sqm (Sqm)		37.5 Sqm (Square Meter)	
Amount					37.5 X 173.0824773344		6490.59	
12. 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	25.000	0.000	1.500	0.000	37.500	-
Total Quantity					37.5 Sqm (Sqm)		37.5 Sqm (Square Meter)	
Amount					37.5 X 247.088634524		9265.82	
13. Painting (AR0918Ai) : Finishing wall one coat with weather coat								

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	Wall	2.000	25.000	0.000	1.500	0.000	75.000	-
Total Quantity					75 Sqm (Sqm)		75 Sqm (Square Meter)	
Amount					75 X 56.306708665		4223.00	
Total Amount							192375.82	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							1923.76	
Display Citizen Board (+) @							4000.00	
Any Other Lumpsum (+) @							3738.00	
Total Addition							9661.76	
Grand Net Total Amount							202037.58	