

Detailed Estimate

**OD/365/3490/120106/389157/00014362 : CONSTRUCTION OF BOUNDARY WALL AT BAURA UP SCHOOL AT BAURA
UNDER RAJABASA GP
Block : Baripada, Panchayat : Rajabasa
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.	8.000	1.200	1.200	1.200	0.000	13.824	-
ii	W/F	1.000	25.000	0.450	0.450	0.000	5.063	-
iii	ded. col.	8.000	1.200	1.200	0.450	0.000	-	5.184
Total Quantity					13.7025 cum (cum)		13.7025 Cum (Cubic Meter)	
Amount					13.7025 X 235.56432		3227.82	
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.	8.000	1.200	1.200	0.100	0.000	1.152	-
ii	W/F	1.000	25.000	0.450	0.100	0.000	1.125	-
iii	Ded. Col.	8.000	1.200	1.200	0.100	0.000	-	1.152
Total Quantity					1.125 cum (cum)		1.125 Cum (Cubic Meter)	
Amount					1.125 X 1228.056172		1381.56	
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.	8.000	1.200	1.200	0.100	0.000	1.152	-	
ii	W/F	1.000	25.000	0.450	0.100	0.000	1.125	-	
iii	Ded. col.	8.000	1.200	1.200	0.100	0.000	-	1.152	
Total Quantity					1.125 cum (cum)		1.125 Cum (Cubic Meter)		
Amount					1.125 X 5933.22366072		6674.88		

4. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

12mm thick cement plster (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.

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 171.4690407144		6430.09		

5. 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.

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 245.152030224		9193.20		

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 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.	8.000	0.350	0.000	0.400	4.000	4.480	-	
Total Quantity					4.48 Sqm (Sqm)		4.48 Sqm (Square Meter)		
Amount					4.48 X 215.38264180804		964.91		

7. 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, girder and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col.	8.000	0.350	0.000	1.800	4.000	20.160	-
Total Quantity					20.16 Sqm (Sqm)		20.16 Sqm (Square Meter)	
Amount					20.16 X 1034.6776319419		20859.10	

8. 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.	8.000	0.750	0.750	0.200	0.000	0.900	-
ii	Col.	8.000	0.750	0.350	0.450	0.000	0.945	-
iii	Col.	8.000	0.250	0.250	1.800	0.000	0.900	-
iv	G/B	1.000	25.000	0.250	0.250	0.000	1.563	-
v	Ded. Col.	8.000	0.250	0.250	0.250	0.000	-	0.125
Total Quantity					4.1825 cum (cum)		4.1825 Cum (Cubic Meter)	
Amount					4.1825 X 14274.294601882		59702.24	

9. 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	Wall	1.000	25.000	0.350	0.300	0.000	2.625	-
ii	Ded. col.	8.000	0.250	0.250	0.300	0.000	-	0.150

Total Quantity		2.475 cum (cum)		2.475 Cum (Cubic Meter)				
Amount		2.475 X 4992.249340896		12355.82				
10. 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/cm ² 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	1.500	0.000	9.375	-
ii	ded. col.	8.000	0.250	0.250	1.500	0.000	-	0.750
Total Quantity		8.625 cum (cum)		8.625 Cum (Cubic Meter)				
Amount		8.625 X 5025.579340896		43345.62				
11. 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	37.500	0.000	0.000	0.000	75.000	-
Total Quantity		75 Sqm (Sqm)		75 Sqm (Square Meter)				
Amount		75 X 70.751511562133		5306.36				
12. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	37.500	0.000	0.000	0.000	75.000	-
Total Quantity		75 Sqm (Sqm)		75 Sqm (Square Meter)				
Amount		75 X 56.29770199		4222.33				
13. 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	Qty	4.245	0.700	0.000	0.000	0.000	2.972	-
Total Quantity					2.9715 Qntl (Quintal)		2.9715 Qntl (Quintal)	
Amount					2.9715 X 7909.4002839		23502.78	
Total Amount							197166.72	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							1971.67	
Display Citizen Board (+) @							2898.00	
Any Other Lumpsum (+) @								
Total Addition							4869.67	
Grand Net Total Amount							202036.38	