

Detailed Estimate

OD/347/3320/116536/379718/00062778 : Const of Boundary Wall High School Bhubaneswarpur
Block : Paikmal, Gram Panchayat : Bhubaneswarpur
Created By: Bijepi Bag

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	column	6.000	1.050	1.050	1.050	0.000	6.946	-
ii	wall	1.000	16.500	0.450	0.450	0.000	3.341	-
iii	deduction col	6.000	1.050	0.450	0.450	0.000	-	1.276
Total Quantity					9.01125 cum (cum)		9.01125 Cum (Cubic Meter)	
Amount					9.01125 X 240.77592		2169.69	
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	column	6.000	1.050	1.050	0.150	0.000	0.992	-
ii	wall	1.000	16.500	0.450	0.100	0.000	0.743	-
iii	deduction col.	6.000	1.050	0.450	0.150	0.000	-	0.425
Total Quantity					1.3095 cum (cum)		1.3095 Cum (Cubic Meter)	
Amount					1.3095 X 630.000832		824.99	
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	6.000	1.050	1.050	0.100	0.000	0.662	-	
ii	wall	1.000	16.500	0.450	0.100	0.000	0.743	-	
iii	deduction col.	6.000	1.050	0.450	0.100	0.000	-	0.284	
Total Quantity					1.1205 cum (cum)		1.1205 Cum (Cubic Meter)		
Amount					1.1205 X 5495.04008346		6157.19		

4. 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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	1st footing	6.000	1.050	1.050	0.300	0.000	1.985	-	
ii	upto plinth	6.000	0.380	0.380	0.700	0.000	0.606	-	
Total Quantity					2.59098 cum (cum)		2.59098 Cum (Cubic Meter)		
Amount					2.59098 X 6148.0552304307		15929.49		

5. R.C.C. Work (AR0404Ab) : 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 Plinth band)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth beam	1.000	16.500	0.250	0.250	0.000	1.031	-

Total Quantity		1.03125 cum (cum)		1.03125 Cum (Cubic Meter)				
Amount		1.03125 X 6904.8773555724		7120.65				
6. 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 centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col s/s	6.000	0.250	0.250	1.900	0.000	0.713	-
Total Quantity		0.7125 cum (cum)		0.7125 Cum (Cubic Meter)				
Amount		0.7125 X 14203.808617751		10120.21				
7. 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	1st footing	1.000	16.500	0.380	0.450	0.000	2.822	-
Total Quantity		2.8215 cum (cum)		2.8215 Cum (Cubic Meter)				
Amount		2.8215 X 5041.807822128		14225.46				
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	Boundary wall	1.000	16.500	0.250	1.900	0.000	7.838	-
Total Quantity					7.8375 cum (cum)		7.8375 Cum (Cubic Meter)	
Amount					7.8375 X 5075.137822128		39776.39	
9. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside								
12mm thick cement plaster (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	Boundary wall	2.000	16.500	0.000	1.900	0.000	62.700	-
ii	plinth portion	2.000	16.500	0.000	0.150	0.000	4.950	-
iii	top cornish	1.000	16.500	0.000	0.250	0.000	4.125	-
Total Quantity					71.775 Sqm (Sqm)		71.775 Sqm (Square Meter)	
Amount					71.775 X 171.3556697092		12299.05	
10. 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	ms rod	0.000	0.000	0.000	0.000	2.600	2.600	-
Total Quantity					2.6 Qntl (Quintal)		2.6 Qntl (Quintal)	
Amount					2.6 X 8659.0177086		22513.45	
11. Painting (AR0917h) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)								
Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	2.000	16.500	0.000	1.900	0.000	62.700	-
ii	plinth portion	2.000	16.500	0.000	0.150	0.000	4.950	-
iii	old Boundary wall	2.000	145.000	0.000	1.550	0.000	449.500	-
iv	Top cornish	1.000	16.500	0.000	0.250	0.000	4.125	-
Total Quantity					521.275 Sqm (Sqm)		521.275 Sqm (Square Meter)	
Amount					521.275 X 129.78814228105		67655.31	
Total Amount							198791.89	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							708.00	
Display Citizen Board (+) @							1500.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							2208.00	
Grand Net Total Amount							200999.89	

JE
Paikmal Block

Ranjan Kumar Nayak
AEE
Paikmal Block

BDO Paikmal
BDO
Paikmal Block