

Detailed Estimate

OD/356/3403/118494/400448/00113819 : Construction of Shiva Mandira Boundary Wall
Block : Sukinda, Gram Panchayat : Bartanda
Created By:Ratnakar Sahoo

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	Column	30.000	0.750	0.750	1.200	0.000	20.250	-
Total Quantity					20.25 cum (cum)		20.25 Cum (Cubic Meter)	
Amount					20.25 X 240.77592		4875.71	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	30.000	0.750	0.750	0.150	0.000	2.531	-
Total Quantity					2.53125 cum (cum)		2.53125 Cum (Cubic Meter)	
Amount					2.53125 X 1146.353232		2901.71	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	30.000	0.750	0.750	0.150	0.000	2.531	-
Total Quantity					2.53125 cum (cum)		2.53125 Cum (Cubic Meter)	
Amount					2.53125 X 6117.97967216		15486.14	

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	Column base	30.000	0.750	0.750	0.250	0.000	4.219	-
ii	footing	30.000	0.250	0.300	1.500	0.000	3.375	-
Total Quantity					7.59375 cum (cum)		7.59375 Cum (Cubic Meter)	
Amount					7.59375 X 6635.6942772047		50389.80	

5. 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	RCC	16.300	0.000	0.000	0.000	0.700	11.410	-
Total Quantity					11.41 Qntl (Quintal)		11.41 Qntl (Quintal)	
Amount					11.41 X 8664.3509631		98860.24	

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 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall 90	1.000	80.000	0.250	1.650	0.000	33.000	-
ii	column	30.000	0.250	0.250	1.650	0.000	-	3.094
Total Quantity					29.90625 cum (cum)		29.90625 Cum (Cubic Meter)	

Amount						29.90625 X 5125.335585688	153279.57	
7. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	80.000	0.000	1.650	0.000	132.000	-
ii	do	1.000	80.000	0.000	0.250	0.000	20.000	-
Total Quantity						152 Sqm (Sqm)		152 Sqm (Square Meter)
Amount						152 X 176.1828570432		26779.79
8. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	1.000	80.000	0.000	1.650	0.000	132.000	-
Total Quantity						132 Sqm (Sqm)		132 Sqm (Square Meter)
Amount						132 X 251.701157872		33224.55
9. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork								
Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	80.000	0.000	1.650	0.000	132.000	-
ii	do	1.000	80.000	0.000	0.250	0.000	20.000	-
Total Quantity						152 Sqm (Sqm)		152 Sqm (Square Meter)
Amount						152 X 70.08994432871		10653.67
10. 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	1.000	80.000	0.000	1.650	0.000	132.000	-
ii	do	1.000	80.000	0.000	0.250	0.000	20.000	-
Total Quantity					152 Sqm (Sqm)		152 Sqm (Square Meter)	
Amount					152 X 56.96000949		8657.92	

11. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth beam	1.000	80.000	0.250	0.250	0.000	5.000	-
Total Quantity					5 cum (cum)		5 Cum (Cubic Meter)	
Amount					5 X 7413.3716585314		37066.86	

12. 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	column	30.000	0.250	0.250	1.650	0.000	3.094	-
Total Quantity					3.09375 cum (cum)		3.09375 Cum (Cubic Meter)	
Amount					3.09375 X 14712.30292071		45516.19	

Total Amount (A) : 487692.16

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 1%	-	4876.9215585335
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.2430	-	2430
Additional Components Amount (F) : 12306.921558534			
Grand Total Amount (A + F) : 499999.07741188			

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