

Detailed Estimate

OD/356/3403/118500/400547/00066622 : Const. of Market Complex at Nuapani

Block : Sukinda, Gram Panchayat : Kaliapani

Created By:Bagharay Majhi

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	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	Plinth wall	1.000	21.000	0.600	0.600	0.000	7.560	-
iii	Step	1.000	6.850	0.750	0.250	0.000	1.284	-
Total Quantity					15.756375 cum (cum)		15.756375 Cum (Cubic Meter)	
Amount					15.756375 X 240.77592		3793.76	
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	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	Plinth wall	1.000	26.700	0.600	0.100	0.000	1.602	-
iii	Room	2.000	3.050	3.350	0.450	0.000	9.196	-
iv	Step	1.000	6.850	0.750	0.100	0.000	0.514	-
v	Ver	1.000	6.350	0.950	0.450	0.000	2.715	-
Total Quantity					14.890125 cum (cum)		14.890125 Cum (Cubic Meter)	

Amount		14.890125 X 1305.731232					19442.50	
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	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	Plinth wall	1.000	26.700	0.600	0.100	0.000	1.602	-
iii	Room	2.000	3.050	3.350	0.100	0.000	2.044	-
iv	Ver	1.000	6.350	0.950	0.100	0.000	0.603	-
v	Step	6.850	0.750	0.750	0.100	0.000	0.385	-
Total Quantity					5.4980625 cum (cum)		5.4980625 Cum (Cubic Meter)	
Amount		5.4980625 X 6392.21550846					35144.80	
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.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Base	4.000	1.200	1.200	0.300	0.000	1.728	-
Total Quantity					1.728 cum (cum)		1.728 Cum (Cubic Meter)	
Amount		1.728 X 6950.2821118407					12010.09	
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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Band	1.000	20.400	0.250	0.250	0.000	1.275	-
Total Quantity					1.275 cum (cum)		1.275 Cum (Cubic Meter)	
Amount					1.275 X 7707.1042369824		9826.56	

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	Column	4.000	0.250	0.250	3.750	0.000	0.938	-
ii	Wall Beam	1.000	20.400	0.250	0.200	0.000	1.020	-
iii	Beam	2.000	1.200	0.250	0.150	0.000	0.090	-
Total Quantity					2.0475 cum (cum)		2.0475 Cum (Cubic Meter)	
Amount					2.0475 X 15006.035499161		30724.86	

7. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	20.400	0.250	0.165	0.000	0.000	0.842	-
Total Quantity					0.8415 cum (cum)		0.8415 Cum (Cubic Meter)	

Amount							0.8415 X 13614.566340371	11456.66
8. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	7.000	5.350	0.125	0.000	4.681	-
Total Quantity					4.68125 cum (cum)		4.68125 Cum (Cubic Meter)	
Amount							4.68125 X 13252.166516231	62036.70
9. 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/cm ² 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	Plinth wall	1.000	26.700	0.500	0.225	0.000	3.004	-
ii	Plinth wall	1.000	26.700	0.380	0.225	0.000	2.283	-
iii	plinth wall	1.000	26.700	0.250	0.375	0.000	2.503	-
iv	Step	1.000	6.850	0.750	0.150	0.000	0.771	-
v	step	1.000	6.850	0.500	0.150	0.000	0.514	-
vi	step	1.000	6.850	0.250	0.150	0.000	0.257	-
Total Quantity					9.330975 cum (cum)		9.330975 Cum (Cubic Meter)	
Amount							9.330975 X 5394.635606528	50337.21

10. 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	Wall	1.000	20.400	0.250	2.750	0.000	14.025	-
ii	Door	2.000	2.100	2.100	0.250	0.000	-	2.205
iii	Column	4.000	0.250	0.250	2.750	0.000	-	0.688
Total Quantity					11.1325 cum (cum)		11.1325 Cum (Cubic Meter)	
Amount					11.1325 X 5427.965606528		60426.83	

11. 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	Inner side	1.000	25.600	3.100	0.000	0.000	79.360	-
Total Quantity					79.36 Sqm (Sqm)		79.36 Sqm (Square Meter)	
Amount					79.36 X 255.757642082		20296.93	

12. 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	Outer wall	1.000	17.550	3.500	0.000	0.000	61.425	-
ii	Door	2.000	2.100	2.100	0.000	0.000	-	8.820
Total Quantity					52.605 Sqm (Sqm)		52.605 Sqm (Square Meter)	

Amount				52.605 X 179.5623398692			9445.88	
13. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Celling	2.000	3.050	3.350	0.000	0.000	20.435	-
ii	Ver	1.000	6.850	1.200	0.000	0.000	8.220	-
Total Quantity					28.655 Sqm (Sqm)		28.655 Sqm (Square Meter)	
Amount				28.655 X 194.4850902328			5572.97	
14. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips								
2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	2.000	3.050	3.350	0.000	0.000	20.435	-
ii	Ver	1.000	6.850	1.200	0.000	0.000	8.220	-
iii	Step	3.000	6.850	0.250	0.000	0.000	5.138	-
Total Quantity					33.7925 Sqm (Sqm)		33.7925 Sqm (Square Meter)	
Amount				33.7925 X 380.9721766692			12874.00	
15. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)								
Priming one coat with outer 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Outer wall	1.000	17.550	3.500	0.000	0.000	61.425	-

ii	Inner	1.000	25.600	3.100	0.000	0.000	79.360	-	
iii	Celling	2.000	3.050	3.350	0.000	0.000	20.435	-	
iv	Ver	1.000	6.850	1.200	0.000	0.000	8.220	-	
v	Door	2.000	3.050	2.100	0.000	0.000	-	12.810	
Total Quantity					156.63 Sqm (Sqm)		156.63 Sqm (Square Meter)		
Amount					156.63 X 72.56707335871		11366.18		

16. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	inner wall	1.000	25.600	3.100	0.000	0.000	79.360	-	
ii	Celling	2.000	3.050	3.350	0.000	0.000	20.435	-	
iii	Ver	1.000	6.850	1.200	0.000	0.000	8.220	-	
Total Quantity					108.015 Sqm (Sqm)		108.015 Sqm (Square Meter)		
Amount					108.015 X 94.7946597375		10239.25		

17. 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	Outer wall	1.000	17.550	3.500	0.000	0.000	61.425	-	
ii	Door	2.000	2.100	2.100	0.000	0.000	8.820	-	
Total Quantity					70.245 Sqm (Sqm)		70.245 Sqm (Square Meter)		

Amount		70.245 X 56.9807248425					4002.61	
18. 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	Base	4.000	1.200	1.200	0.300	0.000	1.728	-
ii	Plinth	1.000	20.400	0.250	0.250	0.000	1.275	-
iii	Column	4.000	0.250	0.250	3.750	0.000	0.938	-
iv	Beam	1.000	20.400	0.250	0.200	0.000	1.020	-
v	beam	2.000	1.200	0.250	0.150	0.000	0.090	-
vi	Lintel	1.000	20.400	0.250	0.165	0.000	0.842	-
vii	Roof Slab	1.000	7.000	5.350	0.115	0.000	4.307	-
Total Quantity					10.19875 Qntl (Quintal)		10.19875 Qntl (Quintal)	
Amount		10.19875 X 8693.3524566					88661.33	
Total Amount							457659.10	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4576.59	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							34764.00	
Provision for survey investigation and quality control (+) @								

Total Addition	42340.59
Grand Net Total Amount	499999.69

JE
Sukinda Block

Asish Kumar Biswal
AEE
Sukinda Block

Prangyan Primita Prusty
BDO
Sukinda Block