

Detailed Estimate

OD/356/3403/118497/400421/00063966 : Const. of boundary wall at Mangalpur Panchaguchi Sahi AWC
Block : Sukinda, Gram Panchayat : Dudhujori
Created By: Sabita Soren

1. 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	6.000	3.000	3.000	0.330	0.000	17.820	-
ii	wall	1.000	54.000	2.500	0.330	0.000	44.550	-
Total Quantity					62.37 Cft (Cubic Foot)		1.766118816 Cum (Cubic Meter)	
Amount					1.766118816 X 1146.353232		2024.60	
2. 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	col	6.000	3.000	3.000	3.000	0.000	162.000	-
ii	wall	1.000	54.000	2.500	2.500	0.000	337.500	-
Total Quantity					499.5 Cft (Cubic Foot)		14.1442416 Cum (Cubic Meter)	
Amount					14.1442416 X 240.77592		3405.59	
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	col	6.000	3.000	3.000	0.330	0.000	17.820	-
ii	wall	1.000	54.000	2.500	0.330	0.000	44.550	-
Total Quantity					62.37 Cft (Cubic Foot)		1.766118816 Cum (Cubic Meter)	
Amount					1.766118816 X 6131.72986266		10829.36	

4. Masonry Brick Work (AR0603bi) : Fourth Floor

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	1st footing	1.000	67.000	1.660	0.500	0.000	55.610	-
ii	2nd footing	1.000	67.000	1.250	0.500	0.000	41.875	-
iii	3rd footing	1.000	67.000	0.830	0.500	0.000	27.805	-
Total Quantity					125.29 Cft (Cubic Foot)		3.547811872 Cum (Cubic Meter)	
Amount					3.547811872 X 7084.6616475018		25135.05	

5. 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	Col base	6.000	3.000	3.000	0.660	0.000	35.640	-
ii	plinth	1.000	72.000	0.830	0.830	0.000	49.601	-
iii	col	6.000	0.830	1.250	6.160	0.000	38.346	-

Total Quantity	123.5868 Cft (Cubic Foot)	3.49958269824 Cum (Cubic Meter)
Amount	3.49958269824 X 6677.8780363059	23369.79

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	67.000	0.830	6.160	0.000	342.558	-
ii	coping	1.000	72.000	1.250	0.500	0.000	45.000	-
Total Quantity						387.5576 Cft (Cubic Foot)	10.97439104768 Cum (Cubic Meter)	
Amount						10.97439104768 X 5441.687826088	59719.21	

7. 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	72.000	6.160	0.000	0.000	443.520	-
Total Quantity						443.52 Sft (Square Foot)	41.20433856 Sqm (Square Meter)	
Amount						41.20433856 X 251.959349222	10381.82	

8. 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
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i	wall	1.000	72.000	6.160	0.000	0.000	443.520	-
Total Quantity					443.52 Sft (Square Foot)		41.20433856 Sqm (Square Meter)	
Amount					41.20433856 X 176.3978163532		7268.36	

9. 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	inside wall	1.000	72.000	6.160	0.000	0.000	443.520	-
ii	outside wall	1.000	72.000	6.160	0.000	0.000	443.520	-
Total Quantity					887.04 Sft (Square Foot)		82.40867712 Sqm (Square Meter)	
Amount					82.40867712 X 56.9645128275		4694.37	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	cost of HYSD Bar	3.500	0.000	0.000	0.000	0.000	3.500	-
Total Quantity					3.5 Qntl (Quintal)		3.5 Qntl (Quintal)	
Amount					3.5 X 8442.477183		29548.67	

11. 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 centring 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	col	6.000	2.000	0.830	7.160	0.000	71.314	-
ii	col	6.000	2.000	1.250	7.160	0.000	107.400	-
Total Quantity					178.7136 Sft (Square Foot)		16.6030295808 Sqm (Square Meter)	
Amount					16.6030295808 X 1048.4253517895		17407.04	
12. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								
Rigid and smooth centring 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col base	6.000	4.000	3.000	0.660	0.000	47.520	-
ii	plinth	1.000	2.000	0.660	72.000	0.000	95.040	-
Total Quantity					142.56 Sft (Square Foot)		13.24425168 Sqm (Square Meter)	
Amount					13.24425168 X 216.55039071844		2868.05	
Total Amount							196651.89	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							983.26	
Display Citizen Board (+) @							2364.84	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							3348.10	

Grand Net Total Amount	199999.99
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