

Detailed Estimate

OD/367/3527/275497/406398/00016554 : Maintenance of Muthagadia Kalyan Mandap
Block : Nayagarh, Gram Panchayat : Muthagadia
Created By: Monalisa Satapathy

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	LW	2.000	38.000	2.500	3.000	0.000	570.000	-
ii	SW	2.000	28.330	2.500	3.000	0.000	424.950	-
iii	Boundary Wall Column	10.000	3.000	3.000	3.000	0.000	270.000	-
Total Quantity					1264.95 Cft (Cubic Foot)		35.81933616 Cum (Cubic Meter)	
Amount					35.81933616 X 240.77592		8624.43	
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	LW	2.000	38.000	2.500	0.330	0.000	62.700	-
ii	SW	2.000	28.330	2.500	0.330	0.000	46.745	-
iii	inside room	0.000	27.500	15.660	1.000	0.000	430.650	-
iv		0.000	11.580	18.330	1.000	0.000	212.261	-
v		0.000	10.500	4.500	0.580	0.000	27.405	-
vi		0.000	28.600	7.660	1.000	0.000	219.076	-

vii	Boundary wall column	10.000	3.000	3.000	0.330	0.000	29.700	-
Total Quantity					1028.5369 Cft (Cubic Foot)		29.12487368992 Cum (Cubic Meter)	
Amount					29.12487368992 X 780.783732		22740.23	

3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	LW	2.000	38.000	2.500	0.330	0.000	62.700	-
ii	SW	2.000	28.330	2.500	0.330	0.000	46.745	-
iii	inside room	0.000	27.500	15.660	0.330	0.000	142.115	-
iv		0.000	11.580	18.330	0.330	0.000	70.046	-
v		0.000	10.500	4.500	0.330	0.000	15.593	-
vi		0.000	28.600	7.660	0.330	0.000	72.295	-
vii	Boundary wall col.	10.000	3.000	3.000	0.500	0.000	45.000	-
Total Quantity					454.492842 Cft (Cubic Foot)		12.869782908346 Cum (Cubic Meter)	
Amount					12.869782908346 X 5065.95121078		65197.69	

4. 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	2.000	38.000	1.830	2.330	0.000	324.056	-

ii		2.000	28.330	1.830	2.330	0.000	241.593	-
iii	2nd footing	2.000	38.000	0.830	1.500	0.000	94.620	-
iv		2.000	28.330	0.830	1.500	0.000	70.542	-
Total Quantity					730.810674 Cft (Cubic Foot)		20.694219693523 Cum (Cubic Meter)	
Amount					20.694219693523 X 4988.774174104		103238.79	

5. 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	LW	2.000	37.660	0.830	5.000	0.000	312.578	-
ii	SW	2.000	28.330	0.830	6.000	0.000	282.167	-
iii	Boundary wall	1.000	106.000	0.830	4.000	0.000	351.920	-
Total Quantity					946.6648 Cft (Cubic Foot)		26.80651780864 Cum (Cubic Meter)	
Amount					26.80651780864 X 5022.104174104		134625.12	

6. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (1:6) over Brick work in outside 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	LW	2.000	38.500	0.000	6.000	0.000	462.000	-
ii		1.000	28.330	0.000	6.000	0.000	169.980	-
iii		1.000	26.500	0.000	6.000	0.000	159.000	-

iv	Deduction	0.500	8.000	0.000	6.000	0.000	-	24.000
v		0.500	6.000	0.000	5.000	0.000	-	15.000
Total Quantity					751.98 Sft (Square Foot)		69.86119794 Sqm (Square Meter)	
Amount					69.86119794 X 171.3158844356		11968.33	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	36.830	0.000	6.000	0.000	441.960	-
ii		2.000	26.500	0.000	5.000	0.000	265.000	-
iii	Deduction	0.500	8.000	0.000	6.000	0.000	-	24.000
iv		0.500	6.000	0.000	5.000	0.000	-	15.000
Total Quantity					667.96 Sft (Square Foot)		62.05548788 Sqm (Square Meter)	
Amount					62.05548788 X 245.861454426		15257.05	

8. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	27.500	15.660	0.000	0.000	430.650	-
ii		1.000	11.580	18.330	0.000	0.000	212.261	-
iii		1.000	10.500	4.500	0.000	0.000	47.250	-
iv		1.000	28.500	7.660	0.000	0.000	218.310	-

Total Quantity	908.4714 Sft (Square Foot)	84.3997184742 Sqm (Square Meter)
Amount	84.3997184742 X 360.2856320356	30408.01

9. Painting (AR0918h) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside).

Finishing wall with two coats 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	T0tal Qty	1.000	751.980	0.000	0.000	0.000	751.980	-
Total Quantity					751.98 Sft (Square Foot)		69.86119794 Sqm (Square Meter)	
Amount					69.86119794 X 160.71529806685		11227.76	

10. Painting (AR0922b) : Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside)

Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	T0tal Qty inside	1.000	667.960	0.000	0.000	0.000	667.960	-
Total Quantity					667.96 Sft (Square Foot)		62.05548788 Sqm (Square Meter)	
Amount					62.05548788 X 150.66800650451		9349.78	

11. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	11.000	3.000	0.000	1.550	51.150	-

ii		1.000	10.500	3.000	0.000	1.550	48.825	-
iii		1.000	10.000	3.000	0.000	1.550	46.500	-
iv		1.000	38.000	3.000	0.000	1.550	176.700	-
v		1.000	26.500	9.000	0.000	1.550	369.675	-
vi		1.000	4.000	11.000	0.000	3.810	167.640	-
Total Quantity					860.49 Kg (Kilo Gram)		8.6049 Qntl (Quintal)	
Amount					8.6049 X 15756.901343087		135586.56	

12. Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties

Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOFING sheet	1.000	33.500	29.500	0.000	0.000	988.250	-
Total Quantity					988.25 Sft (Square Foot)		91.81138975 Sqm (Square Meter)	
Amount					91.81138975 X 521.37106791032		47867.80	

13. 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	10.000	3.000	3.000	1.000	0.000	90.000	-
ii		10.000	1.660	1.660	1.000	0.000	27.556	-
Total Quantity					117.556 Cft (Cubic Foot)		3.3288097408 Cum (Cubic Meter)	

Amount				3.3288097408 X 5843.5367799071			19452.02	
14. 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	0.000	106.000	0.830	0.830	0.000	73.023	-
Total Quantity					73.0234 Cft (Cubic Foot)		2.06778901312 Cum (Cubic Meter)	
Amount				2.06778901312 X 6600.3589050488			13648.15	
15. 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	10.000	0.830	0.830	5.000	0.000	34.445	-
Total Quantity					34.445 Cft (Cubic Foot)		0.975372176 Cum (Cubic Meter)	
Amount				0.975372176 X 13899.290167227			13556.98	
16. 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	Rod	1.000	6.000	0.000	0.000	0.000	6.000	-

Total Quantity	6 Qntl (Quintal)	6 Qntl (Quintal)
Amount	6 X 8413.3745178	50480.25
Total Amount		693228.96
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		5771.00
Provision for Contingency (+) @		0.00
Display Citizen Board (+) @		1000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		6771.00
Grand Net Total Amount		699999.96

Monalisa Satapathy
JE
Nayagarh Block

Chandra Sekhar Samantaray
AEE
Nayagarh Block

Aishwarya Bhuyan
BDO
Nayagarh Block