

Detailed Estimate

OD/369/3545/275340/409848/00070152 : Construction of Mangala Bhoga Mandap, Balipatana, Samangara GP
Block : Sadar, Gram Panchayat : Samangara
Created By: Sabitri Das

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	col	6.000	4.000	4.000	4.000	1.000	384.000	-
ii	plinth wall	2.000	25.000	3.000	3.000	1.000	450.000	-
iii		2.000	12.000	3.000	3.000	1.000	216.000	-
iv		6.000	4.000	3.000	3.000	1.000	-	216.000
Total Quantity						834 Cft (Cubic Foot)	23.6162112 Cum (Cubic Meter)	
Amount						23.6162112 X 240.77592	5686.21	
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	col	6.000	4.000	4.000	0.500	1.000	48.000	-
ii	p.w.	2.000	25.000	3.000	0.500	1.000	75.000	-
iii		2.000	12.000	3.000	0.500	1.000	36.000	-
iv	col	6.000	4.000	3.000	0.500	1.000	-	36.000
Total Quantity						123 Cft (Cubic Foot)	3.4829664 Cum (Cubic Meter)	

Amount		3.4829664 X 539.302832					1878.37	
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	4.000	4.000	0.330	1.000	31.680	-
ii	p.w.	2.000	25.000	3.000	0.330	1.000	49.500	-
iii		2.000	12.000	3.000	0.330	1.000	23.760	-
iv	col	6.000	4.000	3.000	0.330	1.000	-	23.760
Total Quantity					81.18 Cft (Cubic Foot)		2.298757824 Cum (Cubic Meter)	
Amount		2.298757824 X 6177.65489394					14200.93	
4. 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	plinth band	2.000	25.000	1.000	0.830	1.000	41.500	-
ii		3.000	12.000	1.000	0.830	1.000	29.880	-
iii	found. base	24.000	4.000	1.000	4.000	1.000	384.000	-
Total Quantity					455.38 Sft (Square Foot)		42.30616814 Sqm (Square Meter)	
Amount		42.30616814 X 216.23489289764					9148.07	
5. 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
i	col	24.000	11.000	0.000	0.830	1.000	219.120	-
ii	roof beam	4.000	25.000	0.000	0.830	1.000	83.000	-
iii		4.000	12.000	0.000	0.830	1.000	39.840	-
Total Quantity					341.96 Sft (Square Foot)		31.76910988 Sqm (Square Meter)	
Amount					31.76910988 X 1047.3822930467		33274.40	

6. R.C.C. Work (AR0410e) : 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. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	10.000	4.500	1.000	0.500	1.000	22.500	-
Total Quantity					22.5 Sft (Square Foot)		2.0903175 Sqm (Square Meter)	
Amount					2.0903175 X 499.15267251462		1043.39	

7. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	26.000	0.000	13.000	1.000	338.000	-
ii	chajja	5.000	4.500	0.000	2.000	1.000	45.000	-
Total Quantity					383 Sft (Square Foot)		35.581849 Sqm (Square Meter)	

Amount				35.581849 X 662.689943368			23579.73	
8. 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	rod	1.000	5.000	1.000	1.000	1.000	5.000	-
Total Quantity					5 Qntl (Quintal)		5 Qntl (Quintal)	
Amount				5 X 7951.0234545			39755.12	
9. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	0.000	0.000	0.000	0.000	0.000	1.000	-
ii	1st footing	6.000	3.000	3.000	1.000	1.000	54.000	-
iii	2nd	6.000	2.500	2.500	1.000	1.000	37.500	-
iv	3rd	6.000	1.500	1.500	1.170	1.000	15.795	-
v	col upto P.L.	6.000	0.830	0.830	1.000	1.000	4.133	-
vi	column	6.000	0.830	0.830	9.000	1.000	37.201	-
vii	plinth beam	2.000	25.000	0.830	0.830	1.000	34.445	-
viii		3.000	12.000	0.830	0.830	1.000	24.800	-
ix	lintel	5.000	4.500	0.830	0.500	1.000	9.338	-
x	chajja	5.000	4.500	2.000	0.170	1.000	7.650	-

xi	roof beam	2.000	25.000	0.830	0.830	1.000	34.445	-
xii		3.000	12.000	0.830	0.830	1.000	24.800	-
xiii	roof slab	1.000	25.000	12.000	0.330	1.000	99.000	-
Total Quantity					384.1073 Cft (Cubic Foot)		10.87668959264 Cum (Cubic Meter)	
Amount					10.87668959264 X 6383.3881967138		69430.13	

10. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st footng	2.000	25.000	2.500	1.000	1.000	125.000	-
ii		2.000	12.000	2.500	1.000	1.000	60.000	-
iii	2nd footng	2.000	25.000	1.500	1.000	1.000	75.000	-
iv		2.000	12.000	1.500	1.000	1.000	36.000	-
v	upto plinth	2.000	25.000	0.830	1.000	1.000	41.500	-
vi		2.000	12.000	0.830	1.000	1.000	19.920	-
vii	col	6.000	2.500	2.500	2.500	1.000	-	93.750
viii		6.000	1.500	1.500	1.500	1.000	-	20.250
ix		6.000	0.830	0.830	1.000	1.000	-	4.133
Total Quantity					239.2866 Cft (Cubic Foot)		6.77583079488 Cum (Cubic Meter)	
Amount					6.77583079488 X 5112.391032192		34640.70	

11. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm 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	2.000	25.000	0.830	8.000	1.000	332.000	-
ii		2.000	12.000	0.830	8.000	1.000	159.360	-
iii	lintel	5.000	4.500	0.830	0.500	1.000	-	9.338
iv	door	1.000	3.000	0.830	7.000	1.000	-	17.430
v	window	4.000	3.000	0.830	4.000	1.000	-	39.840
Total Quantity					424.7525 Cft (Cubic Foot)		12.027631592 Cum (Cubic Meter)	
Amount					12.027631592 X 5145.721032192		61890.84	
Total Amount							294527.90	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3000.00	
Display Citizen Board (+) @							1500.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							4500.00	
Grand Net Total Amount							299027.90	

Sabitri Das
JE
Sadar Block

Buddhadev Rath
AEE
Sadar Block

SAMBEET SATAPATHY
BDO
Sadar Block