

Detailed Estimate

OD/346/3305/116232/393106/00068163 : Const. of Market complex at Dumagandira near School Chhak.
Block : Nilgiri, Gram Panchayat : Begunia
Created By: MADHUSMITA MOHANTY

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	3.000	39.330	1.250	0.830	0.000	122.415	-
ii	SW	4.000	10.000	1.250	0.830	0.000	41.500	-
iii	DED	25.000	0.830	0.830	0.830	0.000	-	14.295
iv	SW	2.000	4.160	1.250	0.830	0.000	8.632	-
Total Quantity					158.25195 Cft (Cubic Foot)		4.48118881776 Cum (Cubic Meter)	
Amount					4.48118881776 X 240.77592		1078.96	
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	WALL	3.000	39.330	1.250	0.250	0.000	36.872	-
ii		4.000	10.000	1.250	0.250	0.000	12.500	-
iii		2.000	4.160	1.250	0.250	0.000	2.600	-
iv	PLINTH	3.000	12.000	10.000	3.160	0.000	1137.600	-
v		1.000	38.330	4.160	3.160	0.000	503.871	-

vi	DED	25.000	0.830	0.830	0.250	0.000	-	4.306	
Total Quantity					1689.137098 Cft (Cubic Foot)		47.830957376646 Cum (Cubic Meter)		
Amount					47.830957376646 X 987.278232		47222.46		
3. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside									
12mm thick cement plster (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	2.000	39.330	13.000	0.000	0.000	1022.580	-	
ii		2.000	11.660	13.000	0.000	0.000	303.160	-	
iii	DED	3.000	7.000	7.000	0.500	0.000	-	73.500	
Total Quantity					1252.24 Sft (Square Foot)		116.33685272 Sqm (Square Meter)		
Amount					116.33685272 X 173.726679534		20210.82		
4. 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	6.000	12.000	10.000	0.000	0.000	720.000	-	
ii		6.000	10.000	10.000	0.000	0.000	600.000	-	
iii	DED	3.000	7.000	7.000	0.500	0.000	-	73.500	
Total Quantity					1246.5 Sft (Square Foot)		115.8035895 Sqm (Square Meter)		
Amount					115.8035895 X 248.75366659		28806.57		

5. 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	PILE CAP	18.000	3.000	1.000	1.000	0.000	54.000	-
ii		58.000	1.080	1.000	0.000	0.000	62.640	-
iii	GB	9.000	9.830	2.000	1.000	0.000	176.940	-
iv		4.000	7.830	2.000	1.000	0.000	62.640	-
v		2.000	2.830	2.000	1.000	0.000	11.320	-
Total Quantity					367.54 Sft (Square Foot)		34.14556862 Sqm (Square Meter)	
Amount					34.14556862 X 216.39264180804		7388.85	

6. 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	COLUMN	12.000	0.830	4.000	12.000	0.000	478.080	-
Total Quantity					478.08 Sft (Square Foot)		44.41506624 Sqm (Square Meter)	
Amount					44.41506624 X 1047.9038224181		46542.72	

7. 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
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i	LINTEL	2.000	39.330	2.000	0.500	0.000	78.660	-
ii		4.000	10.000	2.000	0.500	0.000	40.000	-
Total Quantity					118.66 Sft (Square Foot)		11.02386998 Sqm (Square Meter)	
Amount					11.02386998 X 499.57698698128		5507.27	

8. 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	ROOF SLAB	3.000	12.000	10.000	0.000	0.000	360.000	-
ii		1.000	37.660	5.000	0.000	0.000	188.300	-
Total Quantity					548.3 Sft (Square Foot)		50.9387149 Sqm (Square Meter)	
Amount					50.9387149 X 663.29946175911		33787.62	

9. 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	WALL	3.000	39.330	1.250	0.250	0.000	36.872	-
ii		4.000	10.000	1.250	0.250	0.000	12.500	-
iii		2.000	4.160	1.250	0.250	0.000	2.600	-
iv	PLINTH	3.000	12.000	10.000	0.330	0.000	118.800	-
v		1.000	37.660	4.160	0.330	0.000	51.700	-
vi	DED	25.000	0.830	0.830	0.330	0.000	-	5.683

Total Quantity	216.788098 Cft (Cubic Foot)	6.1387452134464 Cum (Cubic Meter)
Amount	6.1387452134464 X 6024.4021157	36982.27

10. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PILE CAP	12.000	3.000	3.000	1.000	0.000	108.000	-
ii	GRADEBEAM	9.000	9.830	0.830	1.000	0.000	73.430	-
iii		4.000	7.830	0.830	1.000	0.000	25.996	-
iv		2.000	2.830	0.830	1.000	0.000	4.698	-
v	COLUMN	12.000	0.830	0.830	9.000	0.000	74.401	-
vi	LINTEL	2.000	39.330	0.830	0.500	0.000	32.644	-
vii		4.000	10.000	0.830	0.500	0.000	16.600	-
viii	UNDERIMMED	12.000	4.130	0.830	0.830	0.830	28.338	-
ix	WALL BEAM	3.000	39.330	0.830	0.500	0.000	48.966	-
x		4.000	16.660	0.830	0.500	0.000	27.656	-
xi	ROOF SLAB	1.000	40.330	17.660	0.330	0.000	235.035	-

Total Quantity	675.76298772 Cft (Cubic Foot)	19.13544537067 Cum (Cubic Meter)
Amount	19.13544537067 X 6385.192932909	122183.51

11. 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	WALL	3.000	39.330	0.830	2.660	0.000	260.498	-
ii		4.000	10.000	0.830	2.660	0.000	88.312	-
iii		2.000	4.160	0.830	2.660	0.000	18.369	-
iv	DED	12.000	0.830	0.830	2.660	0.000	-	21.990
Total Quantity					345.18953 Cft (Cubic Foot)		9.774662883104 Cum (Cubic Meter)	
Amount					9.774662883104 X 5293.97080856		51746.78	

12. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner 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	WALL	2.000	39.330	13.000	0.000	0.000	1022.580	-
ii		2.000	11.660	13.000	0.000	0.000	303.160	-
iii		6.000	12.000	10.000	0.000	0.000	720.000	-
iv		6.000	10.000	10.000	0.000	0.000	600.000	-
v		3.000	12.000	10.000	0.000	0.000	360.000	-
vi		1.000	37.660	5.000	0.000	0.000	188.300	-
vii	DED	3.000	7.000	7.000	0.000	0.000	147.000	-
Total Quantity					3341.04 Sft (Square Foot)		310.39263912 Sqm (Square Meter)	
Amount					310.39263912 X 71.83753306751		22297.84	

13. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	2.000	39.330	13.000	0.000	0.000	1022.580	-
ii		2.000	11.660	13.000	0.000	0.000	303.160	-
iii		6.000	12.000	10.000	0.000	0.000	720.000	-
iv		6.000	10.000	10.000	0.000	0.000	600.000	-
v		3.000	10.000	12.000	0.000	0.000	360.000	-
vi		1.000	37.660	5.000	0.000	0.000	188.300	-
vii	DED	3.000	7.000	7.000	0.000	0.000	-	147.000
Total Quantity					3047.04 Sft (Square Foot)		283.07915712 Sqm (Square Meter)	
Amount					283.07915712 X 94.76013415		26824.62	

14. Pile Foundation (AR1501c) : Single under-reamed pile foundation with RCC M20 using 12mm size black granite (Crusher broken) stone chips (250mm dia and 6.0 meter long).

Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (250mm dia and 6.0 meter long).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile	25.000	0.000	0.000	0.000	0.500	12.500	-
Total Quantity					12.5 Nos (Number)		12.5 Nos (Number)	
Amount					12.5 X 4196.0638300259		52450.80	

15. 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	2.000	39.330	0.830	9.000	0.000	587.590	-
ii		4.000	10.000	0.830	9.000	0.000	298.800	-
iii	DED	12.000	0.830	0.830	9.000	0.000	-	74.401
iv		3.000	7.000	0.830	7.000	0.000	-	122.010
Total Quantity					689.979 Cft (Cubic Foot)		19.5379973472 Cum (Cubic Meter)	
Amount					19.5379973472 X 5327.30080856		104084.79	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	HYSD BAR	21.000	0.000	0.000	0.000	0.000	21.000	-
Total Quantity					21 Qntl (Quintal)		21 Qntl (Quintal)	
Amount					21 X 8434.2122924		177118.46	

17. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM	3.000	10.000	12.000	0.000	0.000	360.000	-
ii		6.000	12.000	0.500	0.000	0.000	36.000	-

iii		6.000	10.000	0.500	0.000	0.000	30.000	-
iv	DED	3.000	7.000	0.500	0.000	0.000	-	10.500
Total Quantity					415.5 Sft (Square Foot)		38.6011965 Sqm (Square Meter)	
Amount					38.6011965 X 1536.833113036		59323.60	
18. 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	SHUTTERS	3.000	7.000	7.000	0.000	4.000	588.000	-
Total Quantity					588 Kg (Kilo Gram)		5.88 Qntl (Quintal)	
Amount					5.88 X 15776.823795087		92767.72	
19. 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	CEILLING	3.000	12.000	10.000	0.000	0.000	360.000	-
Total Quantity					360 Sft (Square Foot)		33.44508 Sqm (Square Meter)	
Amount					33.44508 X 190.996419256		6387.89	
Total Amount							942713.55	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							30000.00	

Provision for Contingency (+) @	10000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	12286.38
Provision for survey investigation and quality control (+) @	
Total Addition	57286.38
Grand Net Total Amount	999999.93

MADHUSMITA MOHANTY
JE
Nilgiri Block

Sarat kumar Upadhyay
AEE
Nilgiri Block

Bikram Kishore Parida
BDO
Nilgiri Block