

Detailed Estimate

OD/352/3355/117406/402934/00102558 : Repair & Mainenance of Haladiabahal Govt. Primary School
Block : Odapada, Gram Panchayat : Naya Bhagirathipur
Created By:Alakabati Samal

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	2.000	4.000	4.000	4.000	0.000	128.000	-
ii	L/W	1.000	23.160	2.000	2.000	0.000	92.640	-
iii	S/W	2.000	8.000	2.000	1.500	0.000	48.000	-
iv	col	2.000	4.000	2.000	1.500	0.000	-	24.000
Total Quantity						244.64 Cft (Cubic Foot)	6.927421952 Cum (Cubic Meter)	
Amount						6.927421952 X 240.77592	1667.96	
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	COL	2.000	4.000	4.000	0.500	0.000	16.000	-
ii	L/W	1.000	23.160	2.000	0.330	0.000	15.286	-
iii	S/W	2.000	8.000	2.000	0.330	0.000	10.560	-
iv	COL	2.000	4.000	2.000	0.330	0.000	-	5.280
Total Quantity						36.5656 Cft (Cubic Foot)	1.03542078208 Cum (Cubic Meter)	
Amount						1.03542078208 X 1306.135232	1352.40	

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	2.000	4.000	4.000	0.500	0.000	16.000	-	
ii	L/W	1.000	23.160	2.000	0.330	0.000	15.286	-	
iii	S/W	2.000	8.000	2.000	0.330	0.000	10.560	-	
iv	COL	2.000	4.000	2.000	0.330	0.000	-	5.280	
Total Quantity						36.5656 Cft (Cubic Foot)		1.03542078208 Cum (Cubic Meter)	
Amount						1.03542078208 X 5772.78547584		5977.26	

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	L/W	1.000	22.000	0.830	0.500	0.000	9.130	-	
ii	S/W	2.000	8.500	0.830	0.500	0.000	7.055	-	
iii	L/W	1.000	22.000	0.830	1.000	0.000	18.260	-	
iv	S/W	2.000	8.500	0.830	1.000	0.000	14.110	-	
v	COL	2.000	0.830	0.830	1.000	0.000	-	1.378	
Total Quantity						47.1772 Cft (Cubic Foot)		1.33590733696 Cum (Cubic Meter)	
Amount						1.33590733696 X 5149.165992712		6878.81	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	1.000	22.000	0.830	3.000	0.000	54.780	-	
ii	S/W	2.000	8.500	0.833	3.000	0.000	42.483	-	
iii	COL	2.000	0.830	0.830	3.000	0.000	-	4.133	
Total Quantity						93.1296 Cft (Cubic Foot)		2.63713225728 Cum (Cubic Meter)	
Amount						2.63713225728 X 5182.495992712		13666.93	

6. 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	2.000	4.000	4.000	1.000	0.000	32.000	-	
ii	FOOTING	2.000	4.000	2.000	1.000	0.000	16.000	-	
iii	PLINTH BAND	2.000	1.000	22.000	0.500	0.000	22.000	-	
iv	S/W	2.000	2.000	8.500	0.500	0.000	17.000	-	
Total Quantity						87 Sft (Square Foot)		8.082561 Sqm (Square Meter)	
Amount						8.082561 X 216.23489289764		1747.73	

7. 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	2.000	4.000	0.830	1.500	0.000	9.960	-

ii	COL	2.000	4.000	0.830	10.000	0.000	66.400	-
iii	WALL BEAM	2.000	2.000	8.500	0.500	0.000	17.000	-
iv	WALL BEAM	2.000	1.000	22.000	0.500	0.000	22.000	-
v	MAIN BEAM	3.000	1.000	12.000	0.830	0.000	29.880	-
vi		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					146.24 Sft (Square Foot)		13.58613472 Sqm (Square Meter)	
Amount					13.58613472 X 1047.3822930467		14229.88	

8. 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	L/W	2.000	1.000	22.000	0.830	0.000	36.520	-
ii	S/W	2.000	2.000	8.500	0.830	0.000	28.220	-
Total Quantity					64.74 Sft (Square Foot)		6.01454022 Sqm (Square Meter)	
Amount					6.01454022 X 499.15267251462		3002.17	

9. 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	23.000	24.000	1.000	0.000	552.000	-
ii	CHAJJA	2.000	4.000	1.500	1.000	0.000	12.000	-
iii	WALL	2.000	8.500	0.830	0.000	0.000	-	14.110
iv	WALL 2	3.000	22.000	0.830	0.000	0.000	-	54.780

v	WALL 2	2.000	12.000	0.830	0.000	0.000	-	19.920
Total Quantity					475.19 Sft (Square Foot)		44.14657657 Sqm (Square Meter)	
Amount					44.14657657 X 662.689943368		29255.49	
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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COL	2.000	4.000	4.000	1.000	0.000	32.000	-
ii	COL	2.000	2.000	2.000	1.000	0.000	8.000	-
iii	PL BAND	1.000	22.000	0.830	0.500	0.000	9.130	-
iv	S/W	2.000	8.500	0.830	0.500	0.000	7.055	-
v	COL UPTO PL	2.000	0.830	0.830	1.500	0.000	2.067	-
vi	COLUPTORL	2.000	0.830	0.830	10.000	0.000	13.778	-
vii	LINTAL BAND	1.000	22.000	0.830	0.830	0.000	15.156	-
viii	S/W	2.000	8.500	0.830	0.830	0.000	11.711	-
ix	WALL BEAM	1.000	22.000	0.830	0.500	0.000	9.130	-
x	S/W	2.000	8.500	0.830	0.500	0.000	7.055	-
xi	MAIN BEAM	1.000	12.000	0.830	0.830	0.000	8.267	-
xii	SLAB	1.000	23.000	24.000	0.420	0.000	231.840	-
xiii	CHAJJA	2.000	4.000	1.500	0.205	0.000	2.460	-
Total Quantity					357.6486 Cft (Cubic Foot)		10.12746387648 Cum (Cubic Meter)	
Amount					10.12746387648 X 5913.2760311168		59886.49	

11. 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	10.120	0.700	0.000	0.000	7.084	-
Total Quantity					7.084 Qntl (Quintal)		7.084 Qntl (Quintal)	
Amount					7.084 X 8377.8850974		59348.94	

Total Amount (A) : 197014.06

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.2000	-	2000
2	Display Citizen Board @ Rs.980	-	980

Additional Components Amount (F) : 2980

Grand Total Amount (A + F) : 199994.05622125

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