

Detailed Estimate

OD/361/3453/119477/385697/00069627 : DEVELOPMENT OF RENGALBEDA ME SCHOOL

Block : Patana, Gram Panchayat : Chemana

Created By: MONALISA CHAKRA

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	COLUMN	18.000	3.000	3.000	3.000	0.028	13.754	-
ii	DOUBLE COLUMN	3.000	4.000	3.000	3.000	0.028	3.056	-
iii	BOUNDARY WALL	1.000	217.000	2.000	2.000	0.028	24.564	-
iv	DEDUCTION COLUMN	18.000	3.000	2.000	2.000	0.028	-	6.113
v		3.000	4.000	2.000	2.000	0.028	-	1.358
Total Quantity					33.9034 cum (cum)		33.9034 Cum (Cubic Meter)	
Amount					33.9034 X 240.77592		8163.12	
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	COLUMN	18.000	3.000	3.000	0.500	0.028	2.292	-
ii	DOUBLE COLUMN	3.000	4.000	3.000	0.500	0.028	0.509	-
iii	BOUNDARY WALL	1.000	217.000	2.000	0.500	0.028	6.141	-

iv	DEDUCTION COLUMN	18.000	3.000	2.000	0.500	0.028	-	1.528
v		3.000	4.000	2.000	0.500	0.028	-	0.340
Total Quantity					7.075 cum (cum)		7.075 Cum (Cubic Meter)	
Amount					7.075 X 705.750832		4993.19	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	18.000	3.000	3.000	0.333	0.028	1.527	-
ii	DOUBLE COLUMN	3.000	4.000	3.000	0.333	0.028	0.339	-
iii	BOUNDARY WALL	1.000	217.000	2.000	0.333	0.028	4.090	-
iv	DEDUCTION COLUMN	18.000	3.000	2.000	0.333	0.028	-	1.018
v		3.000	4.000	2.000	0.333	0.028	-	0.226
Total Quantity					4.71195 cum (cum)		4.71195 Cum (Cubic Meter)	
Amount					4.71195 X 5465.91938774		25755.14	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	boundary wall	1.000	217.000	1.250	1.000	0.028	7.676	-
ii	deduction column	21.000	0.833	0.833	1.000	0.028	-	0.412

Total Quantity	7.2639967673 cum (cum)	7.2639967673 Cum (Cubic Meter)
Amount	7.2639967673 X 5196.874183032	37750.08

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	boundary wall	1.000	217.000	0.833	4.500	0.028	23.020	-
ii	deduct column	21.000	0.833	0.833	4.500	0.028	-	1.856
Total Quantity					21.16421130285 cum (cum)		21.16421130285 Cum (Cubic Meter)	
Amount					21.16421130285 X 5230.204183032		110693.15	

6. 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	column	18.000	3.000	3.000	0.500	0.028	2.292	-
ii	column	18.000	0.833	0.833	1.000	0.028	0.353	-
iii	double column	3.000	4.000	3.000	0.500	0.028	0.509	-
iv		3.000	0.833	0.833	1.000	0.028	0.059	-
Total Quantity					3.2140782327 cum (cum)		3.2140782327 Cum (Cubic Meter)	

Amount				3.2140782327 X 6519.1514600863			20953.06	
7. 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	1.000	217.000	0.833	0.500	0.028	2.558	-
Total Quantity					2.55776815 cum (cum)		2.55776815 Cum (Cubic Meter)	
Amount				2.55776815 X 7275.973585228			18610.25	
8. 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	21.000	0.833	0.833	4.500	0.028	1.856	-
Total Quantity					1.85570204715 cum (cum)		1.85570204715 Cum (Cubic Meter)	
Amount				1.85570204715 X 14574.904847406			27046.68	
9. 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	reinforcement	6.800	0.000	0.000	0.000	0.000	6.800	-

Total Quantity				6.8 Qntl (Quintal)			6.8 Qntl (Quintal)	
Amount				6.8 X 9273.5808522			63060.35	
10. 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	1.000	217.000	5.500	0.000	0.093	110.876	-
Total Quantity					110.87615 Sqm (Sqm)		110.87615 Sqm (Square Meter)	
Amount					110.87615 X 171.3039926148		18993.53	
11. 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	217.000	5.500	0.000	0.093	110.876	-
Total Quantity					110.87615 Sqm (Sqm)		110.87615 Sqm (Square Meter)	
Amount					110.87615 X 245.848368058		27258.72	
12. Painting (AR0917h) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)								
Finishing wall with one coat 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	wall	2.000	217.000	5.500	0.000	0.093	221.752	-
Total Quantity					221.7523 Sqm (Sqm)		221.7523 Sqm (Square Meter)	

Amount	221.7523 X 129.99033919032	28825.66
Total Amount		392102.92
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		4000.00
Display Citizen Board (+) @		3897.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		7897.00
Grand Net Total Amount		399999.92

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