

Detailed Estimate

OD/362/3457/119561/407679/00104796 : Infrastructure development of Nilakantha primary school
Block : Balipatna, Gram Panchayat : Rajasa
Created By: Pkmalla

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 BASE	11.000	1.050	1.050	1.050	1.000	12.734	-
Total Quantity					12.733875 cum (cum)		12.733875 Cum (Cubic Meter)	
Amount					12.733875 X 240.77592		3066.01	
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 base	11.000	1.050	1.050	0.150	1.000	1.819	-
Total Quantity					1.819125 cum (cum)		1.819125 Cum (Cubic Meter)	
Amount					1.819125 X 570.299732		1037.45	
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	Column base	11.000	1.050	1.050	0.150	1.000	1.819	-
ii	Plinth protection	1.000	30.000	1.000	0.100	0.000	3.000	-

Total Quantity							4.819125 cum (cum)	4.819125 Cum (Cubic Meter)
Amount							4.819125 X 6135.5734015	29568.10
4. R.C.C. Work (AR0407Aa) : Column base (including centering & shuttering)								
Column base (including centring & shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	11.000	1.050	1.050	0.250	0.000	3.032	-
Total Quantity							3.031875 cum (cum)	3.031875 Cum (Cubic Meter)
Amount							3.031875 X 7114.0186190777	21568.82
5. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	11.000	0.250	0.250	2.300	1.000	1.581	-
ii	Grade beam	1.000	33.000	0.250	0.250	1.000	2.063	-
Total Quantity							3.64375 cum (cum)	3.64375 Cum (Cubic Meter)
Amount							3.64375 X 14674.301904363	53469.49
6. 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/cm ² 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	30.000	0.250	1.800	1.000	13.500	-
Total Quantity							13.5 cum (cum)	13.5 Cum (Cubic Meter)

Amount		13.5 X 5052.6548658		68210.84				
7. 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	Steel Rein force ment	1.000	6.670	0.000	0.000	1.000	6.670	-
Total Quantity					6.67 Qntl (Quintal)		6.67 Qntl (Quintal)	
Amount					6.67 X 8656.9325535		57741.74	
8. 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	Boundary wall	1.000	30.000	0.000	2.100	0.000	63.000	-
Total Quantity					63 Sqm (Sqm)		63 Sqm (Square Meter)	
Amount					63 X 167.37978257		10544.93	
9. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)								
16mm thick cement Plaster in CM (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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	30.000	0.000	2.350	1.000	70.500	-
Total Quantity					70.5 Sqm (Sqm)		70.5 Sqm (Square Meter)	
Amount					70.5 X 241.13726265		17000.18	
10. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer								
Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out sid wall	1.000	30.000	0.000	2.100	1.000	63.000	-
ii	Inside wall	1.000	30.000	0.000	2.350	1.000	70.500	-
Total Quantity					133.5 Sqm (Sqm)		133.5 Sqm (Square Meter)	
Amount					133.5 X 160.03361322815		21364.49	

Total Amount (A) : 283572.03

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for PH Work @ Rs.2000	-	2000
2	Provision for EI Work @ Rs.2000	-	2000
3	Provision for Contingency @ 1%	-	2835.7202640635
4	Display Citizen Board @ Rs.5000	-	5000
5	Any Other Lumpsum @ Rs.3592	Wall painting	3592
6	Provision for survey investigation and quality control @ Rs.1000	-	1000

Additional Components Amount (F) : 16427.720264064

Grand Total Amount (A + F) : 299999.74667041

Pkmalla
JE
Balipatna Block

Archana Das
AEE
Balipatna Block

Subhrasu Sekhar Padhi
BDO
Balipatna Block