

## Detailed Estimate

**OD/346/3305/116234/393276/00068433 : Const. of boundary wall of bayarsahi primary school**  
**Block : Nilgiri, Gram Panchayat : Bhaunriabad**  
**Created By:Ramesh Singh**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	base 1	12.000	3.500	3.500	3.500	0.000	514.500	-
ii	base	2.000	4.000	4.000	4.000	0.000	128.000	-
<b>Total Quantity</b>					<b>642.5 Cft (Cubic Foot)</b>		<b>18.193544 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>18.193544 X 240.77592</b>		<b>4380.57</b>	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	Base 1	12.000	3.500	3.500	0.330	0.000	48.510	-
ii	base 2	2.000	4.000	4.000	0.330	0.000	10.560	-
<b>Total Quantity</b>					<b>59.07 Cft (Cubic Foot)</b>		<b>1.672673376 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>1.672673376 X 1053.029232</b>		<b>1761.37</b>	
<b>3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal</b>								
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	base 1	12.000	3.500	3.500	0.330	0.000	48.510	-

ii	Base2	2.000	4.000	4.000	0.330	0.000	10.560	-
Total Quantity					59.07 Cft (Cubic Foot)		1.672673376 Cum (Cubic Meter)	
Amount					1.672673376 X 6157.46820776		10299.43	

**4. 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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	base 1	12.000	3.500	3.500	0.830	0.000	122.010	-
ii	base 2	2.000	4.000	4.000	1.000	0.000	32.000	-
iii	gread beam	1.000	112.000	0.830	0.830	0.000	77.157	-
Total Quantity					231.1668 Cft (Cubic Foot)		6.54590404224 Cum (Cubic Meter)	
Amount					6.54590404224 X 6837.2453708473		44755.95	

**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	coloumn 1	12.000	0.830	0.830	6.000	0.000	49.601	-
ii	gate coloumn	2.000	1.250	0.830	12.000	0.000	24.900	-
iii	gate beam	1.000	12.000	1.000	1.000	0.000	12.000	-
Total Quantity					86.5008 Cft (Cubic Foot)		2.44942585344 Cum (Cubic Meter)	
Amount					2.44942585344 X 14896.934891302		36488.94	

**6. 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	total rod	0.000	0.000	0.000	5.730	0.000	5.730	-
Total Quantity					5.73 Qntl (Quintal)		5.73 Qntl (Quintal)	
Amount					5.73 X 8638.4039318		49498.05	

**7. 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<sup>2</sup> with dimensional tolerance  $\pm 8$  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	boundry area	1.000	100.000	0.830	6.000	0.000	498.000	-
ii	deduct coloumn	12.000	0.830	0.830	6.000	0.000	-	49.601
Total Quantity					448.3992 Cft (Cubic Foot)		12.69723046656 Cum (Cubic Meter)	
Amount					12.69723046656 X 5400.520516968		68571.65	

**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	OUTER SIDE AREA	1.000	1.000	100.000	6.830	0.000	683.000	-
Total Quantity					683 Sft (Square Foot)		63.452749 Sqm (Square Meter)	
Amount					63.452749 X 174.8597966352		11095.33	

**9. 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	INNER SIDE	1.000	1.000	100.000	6.830	0.000	683.000	-
Total Quantity					683 Sft (Square Foot)		63.452749 Sqm (Square Meter)	
Amount					63.452749 X 250.113571192		15870.39	

**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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	b.wall area	1.000	2.000	100.000	6.830	0.000	1366.000	-
ii	gate coloumn	2.000	1.000	4.160	12.000	0.000	99.840	-
iii	gate beam	1.000	1.000	12.000	4.000	0.000	48.000	-
Total Quantity					1513.84 Sft (Square Foot)		140.64027752 Sqm (Square Meter)	
Amount					140.64027752 X 160.72822700355		22604.86	

**Total Amount (A) : 265326.56**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.3000	-	3000
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.26673	G.I Gate	26673

**Additional Components Amount (F) : 34673**

Grand Total Amount (A + F) : 299999.56302449

Ramesh Singh  
JE  
Nilgiri Block

Sarat kumar Upadhyay  
AEE  
Nilgiri Block

Bikram Kishore Parida  
BDO  
Nilgiri Block