

## Detailed Estimate

**OD/362/3458/275270/408425/00102761 : Construction of protection wall at Gateshwarpur Sana Pokhari at Sahaspur  
Block : Banapur, Gram Panchayat : Bhabanipur  
Created By:snigdharani jena**

<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		1.000	236.000	2.500	3.000	0.000	1770.000	-
ii	Step	3.000	12.500	8.000	1.000	0.000	300.000	-
<b>Total Quantity</b>						2070 Cft (Cubic Foot)	58.615776 Cum (Cubic Meter)	
<b>Amount</b>						<b>58.615776 X 240.77592</b>	<b>14113.27</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		1.000	235.000	2.500	0.500	0.000	293.750	-
ii	Back Filling	1.000	1770.000	0.330	0.000	0.000	584.100	-
iii	Step	3.000	12.500	8.000	0.500	0.000	150.000	-
iv	Side Plinth Protection	1.000	235.000	5.000	1.000	0.000	1175.000	-
<b>Total Quantity</b>						2202.85 Cft (Cubic Foot)	62.37766288 Cum (Cubic Meter)	
<b>Amount</b>						<b>62.37766288 X 1493.237732</b>	<b>93144.68</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								

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		1.000	235.000	2.500	0.330	0.000	193.875	-
ii	Step	3.000	12.500	8.000	0.330	0.000	99.000	-
iii	Side plinth Protection	1.000	235.000	5.000	0.330	0.000	387.750	-
Total Quantity							680.625 Cft (Cubic Foot)	19.273122 Cum (Cubic Meter)
Amount							19.273122 X 6192.6828415	119352.33

**4. 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		1.000	235.000	1.500	1.000	0.000	352.500	-
Total Quantity							352.5 Cft (Cubic Foot)	9.981672 Cum (Cubic Meter)
Amount							9.981672 X 7420.5652291832	74069.65

**5. Masonry Stone Work (AR0717) : Laterite stone masonry**

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st Footing	1.000	235.000	1.830	0.660	0.000	283.833	-
ii	2nd footing	1.000	235.000	1.830	0.660	0.000	283.833	-
iii	Up To Plinth	1.000	235.000	1.000	0.660	0.000	155.100	-
iv	Step	3.000	12.500	1.500	1.000	0.000	56.250	-

v		3.000	12.500	1.500	0.500	0.000	28.125	-
vi		3.000	12.500	1.500	0.500	0.000	28.125	-
vii		3.000	12.500	1.500	0.500	0.000	28.125	-
viii		3.000	12.500	2.000	0.500	0.000	37.500	-
Total Quantity					900.891 Cft (Cubic Foot)		25.5103502688 Cum (Cubic Meter)	
Amount					25.5103502688 X 5708.4583698		145624.77	

**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	16mm	1.000	10.000	236.000	0.305	1.580	1136.540	-
ii	Ring 8 mm	1.000	471.000	4.160	0.305	0.395	235.899	-
Total Quantity					1372.43734656 Kg (Kilo Gram)		13.7243734656 Qntl (Quintal)	
Amount					13.7243734656 X 8656.9325535		118810.98	

**7. 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/cm<sup>2</sup> 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		1.000	235.000	0.830	7.000	0.000	1365.350	-
Total Quantity					1365.35 Cft (Cubic Foot)		38.66234288 Cum (Cubic Meter)	
Amount					38.66234288 X 5173.6417558		200025.11	

**8. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside**

12mm thick cement plaster (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		2.000	235.830	8.000	0.000	0.000	3773.280	-
Total Quantity					3773.28 Sft (Square Foot)		350.54903184 Sqm (Square Meter)	
Amount					350.54903184 X 181.22385257		63527.85	

Total Amount (A) : 828668.63

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.5000	-	5000
2	Any Other Lumpsum @ 1%	Cess	8286.6863282811
3	Provision for Contingency @ Rs.8000	-	8000
Additional Components Amount (F) :			21286.686328281

Grand Total Amount (A + F) : 849955.31915639

snigdharani jena  
JE  
Banapur Block

SURESH MALIK  
AEE  
Banapur Block

Sri Bikash Kumar Mohanty  
BDO  
Banapur Block