

## Detailed Estimate

**OD/346/3309/116318/393756/00063203 : Maintenance of Khajuridiha Kalika Thakurani Pokhari ( Pucca Ghat Guard Wall)**

**Block : Soro, Gram Panchayat : Madhusuidanpur**

**Created By: Monalisa Pati**

<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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cut off	2.000	9.140	0.600	0.600	0.000	6.581	-
ii	Cut off	2.000	3.000	0.600	0.600	0.000	2.160	-
Total Quantity					8.7408 cum (cum)		8.7408 Cum (Cubic Meter)	
Amount					8.7408 X 240.77592		2104.57	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	8.540	2.400	0.100	0.000	2.050	-
Total Quantity					2.0496 cum (cum)		2.0496 Cum (Cubic Meter)	
Amount					2.0496 X 1493.995232		3062.09	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	8.540	2.400	0.100	0.000	2.050	-

ii	wall	2.000	9.140	0.600	0.600	0.000	6.581	-
iii	wall	2.000	3.000	0.600	0.600	0.000	2.160	-
Total Quantity					10.7904 cum (cum)		10.7904 Cum (Cubic Meter)	
Amount					10.7904 X 6052.17287774		65305.37	

#### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	4.000	7.000	1.000	0.600	0.000	16.800	-
Total Quantity					16.8 Sqm (Sqm)		16.8 Sqm (Square Meter)	
Amount					16.8 X 180.2285061348		3027.84	

#### 5. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	9.140	0.600	1.000	0.000	10.968	-
ii	Wall	2.000	3.000	0.600	1.000	0.000	3.600	-
iii	Step	1.000	3.000	1.000	0.200	0.000	0.600	-
iv	Step	2.000	3.000	1.000	0.100	0.000	0.600	-
v	Step	7.000	3.000	1.000	0.150	0.000	3.150	-
vi	Step	1.000	3.000	1.000	0.150	0.000	0.450	-
vii	Step	3.000	1.000	1.000	0.100	0.000	0.300	-
Total Quantity					19.668 Sqm (Sqm)		19.668 Sqm (Square Meter)	

<b>Amount</b>						<b>19.668 X 216.29483748359</b>	<b>4254.09</b>	
<b>6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	8.540	2.400	0.100	0.000	2.050	-
ii	Step	1.000	3.000	1.500	0.200	0.000	0.900	-
iii	Step	2.000	3.000	0.850	0.100	0.000	0.510	-
iv	Step	7.000	3.000	0.600	0.150	0.000	1.890	-
v	Step	1.000	3.000	1.500	0.150	0.000	0.675	-
vi	Step	1.000	3.000	0.750	0.100	0.000	0.225	-
Total Quantity					6.2496 cum (cum)		6.2496 Cum (Cubic Meter)	
<b>Amount</b>						<b>6.2496 X 7469.65532138</b>	<b>46682.36</b>	
<b>7. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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 ±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	wall	2.000	7.000	0.250	0.600	0.000	2.100	-
Total Quantity					2.1 cum (cum)		2.1 Cum (Cubic Meter)	
<b>Amount</b>						<b>2.1 X 5500.606513832</b>	<b>11551.27</b>	
<b>8. Special items for irrigation works (AR0201) : Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km</b>								

Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Tank	1.000	48.000	46.000	2.740	0.000	6049.920	-
<b>Total Quantity</b>					6049.92 cum (cum)		6049.92 Cum (Cubic Meter)	
<b>Amount</b>					6049.92 X 56.56		342183.48	
<b>Total Amount</b>							478171.07	
<b>Addition</b>								
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							5000.00	
Provision for survey investigation and quality control (+) @							6828.93	
Provision for Contingency (+) @							5000.00	
<b>Total Addition</b>							<b>21828.93</b>	
<b>Grand Net Total Amount</b>							<b>500000.00</b>	

Monalisa Pati  
JE  
Soro Block

Nirmala Kanta Parida  
AEE  
Soro Block

Satyanath Naik  
BDO  
Soro Block