

## Detailed Estimate

**OD/362/3462/119646/408258/00100596 : Improvement of Belapada Crematorium**

**Block : Chilika, Gram Panchayat : Nimakheta**

**Created By: CHANDRA SEKHAR PADHY**

<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	boundary	1.000	33.000	0.750	0.750	0.000	18.563	-
ii	columns	9.000	1.200	1.200	1.200	0.000	15.552	-
iii	Deduct overlap column	9.000	1.200	0.750	0.750	0.000	-	6.075
Total Quantity					28.0395 cum (cum)		28.0395 Cum (Cubic Meter)	
Amount					28.0395 X 240.77592		6751.24	
<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	boundary wall	1.000	33.000	0.750	0.100	0.000	2.475	-
ii	columns	9.000	1.200	1.200	0.100	0.000	1.296	-
iii	Deduct overlap column	9.000	1.200	0.750	0.100	0.000	-	0.810
Total Quantity					2.961 cum (cum)		2.961 Cum (Cubic Meter)	
Amount					2.961 X 1214.477732		3596.07	
<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	Boundary wall	1.000	33.000	0.750	0.150	0.000	3.713	-
ii	Columns	9.000	1.200	1.200	0.150	0.000	1.944	-
iii	Deduct Overlap column	9.000	1.200	0.750	0.150	0.000	-	1.215
Total Quantity					4.4415 cum (cum)		4.4415 Cum (Cubic Meter)	
Amount					4.4415 X 5865.909512		26053.44	

**4. 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		1.000	5.910	0.500	0.000	0.000	2.955	-
Total Quantity					2.955 Qntl (Quintal)		2.955 Qntl (Quintal)	
Amount					2.955 X 8663.237226		25599.87	

**5. 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 base	9.000	1.200	1.200	0.200	0.000	2.592	-
ii	2nd footing	9.000	0.600	0.600	0.200	0.000	0.648	-
Total Quantity					3.24 cum (cum)		3.24 Cum (Cubic Meter)	
Amount					3.24 X 6365.5941835921		20624.53	

**6. 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 beam	1.000	33.000	0.250	0.150	0.000	1.238	-
Total Quantity						1.2375 cum (cum)	1.2375 Cum (Cubic Meter)	
Amount						1.2375 X 7122.9684299202	8814.67	

**7. 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 Straight	9.000	0.230	0.230	2.750	0.000	1.309	-
Total Quantity						1.309275 cum (cum)	1.309275 Cum (Cubic Meter)	
Amount						1.309275 X 14425.283704047	18886.66	

**8. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

Brickwork with Flyash Bricks of size (23cm x 11cm 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	B Wall new	1.000	33.000	0.230	1.500	0.000	11.385	-
ii	Deduct column	9.000	0.230	0.230	1.500	0.000	-	0.714
Total Quantity						10.67085 cum (cum)	10.67085 Cum (Cubic Meter)	

<b>Amount</b>							<b>10.67085 X 5419.8752512</b>	<b>57834.68</b>
<b>9. Masonry Stone Work (AR0717) : Laterite stone masonry</b>								
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	33.000	0.500	0.230	0.000	3.795	-
ii	2nd footing	1.000	33.000	0.250	0.460	0.000	3.795	-
iii	Deduct columns	9.000	0.230	0.230	0.460	0.000	-	0.219
<b>Total Quantity</b>					<b>7.370994 cum (cum)</b>		<b>7.370994 Cum (Cubic Meter)</b>	
<b>Amount</b>							<b>7.370994 X 5612.9230152</b>	<b>41372.82</b>
<b>10. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)</b>								
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	Wall both side	2.000	33.000	1.500	0.000	0.000	99.000	-
ii	Top	1.000	33.000	0.230	0.000	0.000	7.590	-
<b>Total Quantity</b>					<b>106.59 Sqm (Sqm)</b>		<b>106.59 Sqm (Square Meter)</b>	
<b>Amount</b>							<b>106.59 X 252.990658</b>	<b>26966.27</b>
<b>11. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer</b>								
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	as per plastered	1.000	1.000	1.000	106.590	0.000	106.590	-
ii	Room	1.000	6.000	6.000	0.000	0.000	36.000	-

Total Quantity	142.59 Sqm (Sqm)	142.59 Sqm (Square Meter)
Amount	142.59 X 160.04654216484	22821.04

**12. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift**

Earth work in hard soil or gravelly soil 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	periphery levelling	1.000	41.750	13.000	0.300	0.000	162.825	-
Total Quantity					162.825 cum (cum)		162.825 Cum (Cubic Meter)	
Amount					162.825 X 200.6466		32670.28	

**Total Amount (A) : 291991.56**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 1%	-	2919.9156100242
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.88.5	photography	88.5

**Additional Components Amount (F) : 8008.4156100242**

**Grand Total Amount (A + F) : 299999.97661245**

**CHANDRA SEKHAR PADHY**  
JE  
Chilika Block

**MADHUSMITA TRPATHY**  
AEE  
Chilika Block

**Poonam Mahapatra**  
BDO  
Chilika Block