

## Detailed Estimate

**OD/358/3417/118771/424000/00065387 : Const of Boundar Wall Near Dandapatini Temple Dahagaon**  
**Block : Kokasara, Gram Panchayat : Dahagaon**  
**Created By:Kirti Ranjan Behera**

<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	COLUMN	11.000	1.100	1.100	1.050	0.000	13.976	-
ii	WALL	1.000	22.200	0.750	0.750	0.000	12.488	-
iii	WALL	1.000	15.300	0.750	0.750	0.000	8.606	-
iv	DEDUCT COLUMN	11.000	1.100	0.750	0.750	0.000	-	6.806
Total Quantity					28.263 cum (cum)		28.263 Cum (Cubic Meter)	
<b>Amount</b>					<b>28.263 X 240.77592</b>		<b>6805.05</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	COLUMN	11.000	1.100	1.100	0.150	0.000	1.997	-
ii	WALL	1.000	22.200	0.750	0.150	0.000	2.498	-
iii	WALL	1.000	15.300	0.750	0.150	0.000	1.721	-
iv	WALL SIDE	2.000	22.200	0.100	0.300	0.000	1.332	-
v		2.000	15.300	0.100	0.300	0.000	0.918	-

vi	DEDUCT COLUMN	11.000	1.100	0.750	0.150	0.000	-	1.361
Total Quantity					7.104 cum (cum)		7.104 Cum (Cubic Meter)	
Amount					7.104 X 519.294732		3689.07	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	11.000	1.100	1.100	0.150	0.000	1.997	-
ii	wall	1.000	22.200	0.750	0.150	0.000	2.498	-
iii		1.000	15.300	0.750	0.150	0.000	1.721	-
iv	deduct	11.000	1.100	0.750	0.150	0.000	-	1.361
Total Quantity					4.854 cum (cum)		4.854 Cum (Cubic Meter)	
Amount					4.854 X 5180.5215223		25146.25	
<b>4. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column footing	11.000	1.100	1.100	0.250	0.000	3.328	-
ii		11.000	0.600	0.600	0.250	0.000	0.990	-
iii	column below pl	6.000	0.300	0.230	1.100	0.000	0.455	-
iv		5.000	0.300	0.230	0.800	0.000	0.276	-
v	above plinth	11.000	0.300	0.230	1.350	0.000	1.025	-

vi	tie beam	1.000	37.500	0.230	0.250	0.000	2.156	-
Total Quantity					8.2298 cum (cum)		8.2298 Cum (Cubic Meter)	
Amount					8.2298 X 5645.180081191		46458.70	
<b>5. 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</b>								
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	rod	5.480	0.000	0.000	0.000	0.000	5.480	-
Total Quantity					5.48 Qntl (Quintal)		5.48 Qntl (Quintal)	
Amount					5.48 X 8414.711172		46112.62	
<b>6. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column base	11.000	2.400	0.000	0.250	0.000	6.600	-
ii	pedestal	6.000	1.060	0.000	1.100	0.000	6.996	-
iii		5.000	1.060	0.000	0.850	0.000	4.505	-
Total Quantity					18.101 Sqm (Sqm)		18.101 Sqm (Square Meter)	
Amount					18.101 X 216.55039071844		3919.78	
<b>7. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting</b>								
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. beams, column, grider and bressmer, etc. Data for 4.2sqm								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	6.000	1.060	0.000	1.350	0.000	8.586	-
ii		3.000	1.060	0.000	1.400	0.000	4.452	-
Total Quantity					13.038 Sqm (Sqm)		13.038 Sqm (Square Meter)	
Amount					13.038 X 1048.4253517895		13669.37	

**8. 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	wall	2.000	22.200	0.000	1.350	0.000	59.940	-
ii		2.000	15.300	0.000	1.400	0.000	42.840	-
iii	column side	12.000	1.350	0.000	0.080	0.000	1.296	-
iv		10.000	1.500	0.000	0.080	0.000	1.200	-
v	wall top	1.000	22.200	0.000	0.230	0.000	5.106	-
vi		1.000	15.300	0.000	0.230	0.000	3.519	-
vii	BELOW PL	2.000	22.000	0.000	0.800	0.000	35.200	-
viii		2.000	15.300	0.000	0.400	0.000	12.240	-
Total Quantity					161.341 Sqm (Sqm)		161.341 Sqm (Square Meter)	
Amount					161.341 X 242.39523381		39108.29	

**9. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )**

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	qty as per plaster item	1.000	161.340	0.000	0.000	0.000	161.340	-
Total Quantity					161.34 Sqm (Sqm)		161.34 Sqm (Square Meter)	
Amount					161.34 X 72.860453727742		11755.31	

#### 10. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	qty as per plaster item	1.000	161.340	0.000	0.000	0.000	161.340	-
Total Quantity					161.34 Sqm (Sqm)		161.34 Sqm (Square Meter)	
Amount					161.34 X 56.6993878275		9147.88	

#### 11. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm 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	1st side wall	1.000	7.700	0.380	1.300	0.000	3.804	-
ii		1.000	14.500	0.380	1.200	0.000	6.612	-
iii	2nd side	1.000	15.300	0.380	0.850	0.000	4.942	-
iv	pb side	2.000	37.500	0.080	0.250	0.000	1.500	-
v	deduct column	6.000	0.230	0.380	1.100	0.000	-	0.577
Total Quantity					16.28086 cum (cum)		16.28086 Cum (Cubic Meter)	

<b>Amount</b>		16.28086 X 5121.74892944		83386.48				
<b>12. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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	wall	1.000	22.200	0.230	1.350	0.000	6.893	-
ii		1.000	15.300	0.230	1.400	0.000	4.927	-
iii	deduct column	6.000	0.230	0.230	1.350	0.000	-	0.428
iv		5.000	0.230	0.230	1.400	0.000	-	0.370
Total Quantity					11.02091 cum (cum)		11.02091 Cum (Cubic Meter)	
<b>Amount</b>		11.02091 X 5155.07892944		56813.66				
<b>Total Amount</b>							<b>346012.45</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3524.00	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							860.50	
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>6384.50</b>	
<b>Grand Net Total Amount</b>							<b>352396.95</b>	

**Kirti Ranjan Behera**  
**JE**  
**Kokasara Block**

**Sukrutanand Mishra**  
**AEE**  
**Kokasara Block**

**Dr Himanchal Majhi**  
**BDO**  
**Kokasara Block**