

## Detailed Estimate

**OD/352/3350/117260/403324/00069637 : Development of AWC at Lambodarpur**  
**Block : Dhenkanal Sadar, Gram Panchayat : Bhalibol Kateni**  
**Created By:CHINMAYEE DASH**

<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	wall	1.000	80.000	2.500	2.500	0.000	500.000	-
ii	column	2.000	4.000	4.000	4.000	0.000	128.000	-
Total Quantity					628 Cft (Cubic Foot)		17.7829504 Cum (Cubic Meter)	
Amount					17.7829504 X 240.77592		4281.71	
<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	wall	1.000	80.000	2.500	0.250	0.000	50.000	-
ii	column	2.000	4.000	4.000	0.500	0.000	16.000	-
Total Quantity					66 Cft (Cubic Foot)		1.8689088 Cum (Cubic Meter)	
Amount					1.8689088 X 1086.308732		2030.21	
<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	wall	1.000	80.000	2.500	0.330	0.000	66.000	-
ii	column	2.000	4.000	4.000	0.500	0.000	16.000	-
Total Quantity					82 Cft (Cubic Foot)		2.3219776 Cum (Cubic Meter)	
Amount					2.3219776 X 5926.69799416		13761.66	

#### 4. 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	wall	1.000	80.000	2.000	0.830	0.000	132.800	-
ii	2nd footing	1.000	80.000	1.830	0.830	0.000	121.512	-
iii	3rd footing	1.000	80.000	0.830	1.660	0.000	110.224	-
Total Quantity					364.536 Cft (Cubic Foot)		10.3224930048 Cum (Cubic Meter)	
Amount					10.3224930048 X 5608.635796288		57895.10	

#### 5. 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  $\pm 8$  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	wall	1.000	80.000	0.830	6.000	0.000	398.400	-
ii	side wall	1.000	40.000	0.410	0.830	0.000	13.612	-
iii		1.000	55.000	0.830	0.830	0.000	37.890	-

Total Quantity	449.9015 Cft (Cubic Foot)	12.7397707952 Cum (Cubic Meter)
Amount	12.7397707952 X 5183.371902688	66034.97

**6. 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	Column	2.000	4.000	4.000	0.830	0.000	26.560	-
ii	column	2.000	2.000	2.000	0.830	0.000	6.640	-
iii	column	2.000	1.000	1.000	1.330	0.000	2.660	-

Total Quantity	35.86 Cft (Cubic Foot)	1.015440448 Cum (Cubic Meter)
Amount	1.015440448 X 6415.1154070553	6514.17

**7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth beam	1.000	11.000	0.830	1.000	0.000	9.130	-

Total Quantity	9.13 Cft (Cubic Foot)	0.258532384 Cum (Cubic Meter)
Amount	0.258532384 X 7172.4896533834	1854.32

**8. 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	2.000	1.000	1.000	10.000	0.000	20.000	-
ii	Beam	1.000	11.000	1.000	1.000	0.000	11.000	-
Total Quantity					31 Cft (Cubic Foot)		0.8778208 Cum (Cubic Meter)	
Amount					0.8778208 X 14474.80492751		12706.28	

**9. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	11.000	5.000	0.330	0.000	18.150	-
Total Quantity					18.15 Cft (Cubic Foot)		0.51394992 Cum (Cubic Meter)	
Amount					0.51394992 X 12722.857762473		6538.91	

**10. 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	rod	1.500	0.000	0.000	0.000	0.000	1.500	-
Total Quantity					1.5 Qntl (Quintal)		1.5 Qntl (Quintal)	
Amount					1.5 X 8163.3694905		12245.05	

**11. 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	80.000	0.000	6.000	0.000	960.000	-
ii		2.000	40.000	0.000	0.830	0.000	66.400	-
iii		2.000	55.000	0.000	0.830	0.000	91.300	-
Total Quantity					1117.7 Sft (Square Foot)		103.8376831 Sqm (Square Meter)	
Amount					103.8376831 X 250.364119872		25997.23	

**12. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

Priming one coat with inner 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	wall	2.000	80.000	0.000	6.000	0.000	960.000	-
ii		2.000	50.000	0.000	6.000	0.000	600.000	-
iii		2.000	40.000	0.000	0.830	0.000	66.400	-
iv		2.000	55.000	0.000	0.830	0.000	91.300	-
Total Quantity					1717.7 Sft (Square Foot)		159.5794831 Sqm (Square Meter)	
Amount					159.5794831 X 71.83753306751		11463.80	

**13. 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
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i	wall	2.000	80.000	0.000	6.000	0.000	960.000	-
ii	wall	2.000	50.000	0.000	6.000	0.000	600.000	-
iii		2.000	40.000	0.000	0.830	0.000	66.400	-
iv		2.000	50.000	0.000	0.830	0.000	83.000	-
Total Quantity					1709.4 Sft (Square Foot)		158.8083882 Sqm (Square Meter)	
Amount					158.8083882 X 57.09560199		9067.26	

**14. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC**

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pavour	1.000	34.000	55.000	0.000	0.000	1870.000	-
Total Quantity					1870 Sft (Square Foot)		173.72861 Sqm (Square Meter)	
Amount					173.72861 X 638.9535		111004.50	

**15. miscellaneous (ARM106) : Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.**

Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	gate	1.000	10.000	0.000	7.000	0.000	70.000	-
Total Quantity					70 Sft (Square Foot)		6.50321 Sqm (Square Meter)	
Amount					6.50321 X 93.32		606.88	
<b>Total Amount</b>							<b>342002.06</b>	
<b>Addition</b>								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	2997.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	0.00
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>7997.00</b>
<b>Grand Net Total Amount</b>	<b>349999.06</b>

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