

## Detailed Estimate

**OD/361/3452/119471/386007/00068084 : CONST OF BHOGA MANDAP AT LAXMI MANDIR JADIPADA**

**Block : Kendujhar Sadar, Gram Panchayat : Sankiri**

**Created By:Ratikanta Lenka**

<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	8.000	4.000	4.000	4.500	0.000	576.000	-
ii	wall	2.000	18.170	2.000	2.000	0.000	145.360	-
iii		4.000	11.170	2.000	2.000	0.000	178.720	-
iv	deduct	8.000	4.000	2.000	2.000	0.000	-	128.000
Total Quantity					772.08 Cft (Cubic Foot)		21.862834944 Cum (Cubic Meter)	
Amount					<b>21.862834944 X 240.77592</b>		<b>5264.04</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	8.000	4.000	4.000	0.500	0.000	64.000	-
ii	wall	2.000	18.170	2.000	0.330	0.000	23.984	-
iii		4.000	11.170	2.000	0.330	0.000	29.489	-
iv	inside	2.000	10.330	6.000	0.750	0.000	92.970	-
v		1.000	10.330	3.660	0.750	0.000	28.356	-
vi	back filling	1.000	0.333	0.000	576.000	0.000	192.000	-
vii	deduct	8.000	2.000	2.000	0.330	0.000	-	10.560

Total Quantity	420.23905 Cft (Cubic Foot)	11.89982513104 Cum (Cubic Meter)
Amount	11.89982513104 X 1053.089832	12531.58

### 3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

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	column	8.000	4.000	4.000	0.500	0.000	64.000	-
ii	wall	2.000	18.170	2.000	0.330	0.000	23.984	-
iii		4.000	11.170	2.000	0.330	0.000	29.489	-
iv	inside	1.000	10.330	3.660	0.330	0.000	12.477	-
v		2.000	10.330	6.000	0.330	0.000	40.907	-
vi	deduct	8.000	0.830	0.830	0.330	0.000	-	1.819
Total Quantity						169.037878 Cft (Cubic Foot)	4.7866117837504 Cum (Cubic Meter)	
Amount						4.7866117837504 X 6038.57783132	28904.33	

### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	18.170	1.330	1.500	0.000	72.498	-
ii		4.000	11.170	1.330	1.500	0.000	89.137	-
iii	deduct	8.000	0.830	0.830	1.500	0.000	-	8.267
Total Quantity						153.3681 Cft (Cubic Foot)	4.34289381408 Cum (Cubic Meter)	

<b>Amount</b>							<b>4.34289381408 X 5227.341352576</b>	<b>22701.79</b>
<b>5. R.C.C. Work (AR0404Aa) : 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. (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	col base	8.000	4.000	4.000	0.830	0.000	106.240	-
ii		8.000	2.500	2.500	0.660	0.000	33.000	-
Total Quantity						139.24 Cft (Cubic Foot)	3.942831232 Cum (Cubic Meter)	
<b>Amount</b>							<b>3.942831232 X 6540.1194152629</b>	<b>25786.59</b>
<b>6. R.C.C. Work (AR0404Ab) : 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. (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 band	2.000	18.170	0.830	0.830	0.000	25.035	-
ii		4.000	11.170	0.830	0.830	0.000	30.780	-
Total Quantity						55.814678 Cft (Cubic Foot)	1.5804930739904 Cum (Cubic Meter)	
<b>Amount</b>							<b>1.5804930739904 X 7296.9415404046</b>	<b>11532.77</b>
<b>7. R.C.C. Work (AR0404Ac) : 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. (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	8.000	0.830	0.830	2.500	0.000	13.778	-
ii		8.000	0.830	0.830	9.250	0.000	50.979	-
iii	beam	2.000	18.170	0.830	0.830	0.000	25.035	-
iv		4.000	11.170	0.830	0.830	0.000	30.780	-
Total Quantity					120.571278 Cft (Cubic Foot)		3.4141927648704 Cum (Cubic Meter)	
Amount					3.4141927648704 X 14595.872802583		49833.12	

**8. 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	roof slab	1.000	22.000	14.500	0.370	0.000	118.030	-
Total Quantity					118.03 Cft (Cubic Foot)		3.342231904 Cum (Cubic Meter)	
Amount					3.342231904 X 12842.003819653		42920.95	

**9. 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	1.000	0.000	0.000	0.000	12.420	12.420	-
Total Quantity					12.42 Qntl (Quintal)		12.42 Qntl (Quintal)	
Amount					12.42 X 9260.9715072		115021.27	

**10. Plastering (AR1017i) : 20mm thick cement Plaster in CM (1:4) over masonry work in outside**

20mm thick cement Plaster in CM (1:4) over stone 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		1.000	22.000	14.500	0.000	0.000	319.000	-
Total Quantity							319 Sft (Square Foot)	29.636057 Sqm (Square Meter)
Amount							29.636057 X 276.2639380352	8187.37

**11. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ceiling	1.000	22.000	14.500	0.000	0.000	319.000	-
ii	beam	2.000	2.000	18.170	0.830	0.000	60.324	-
iii		2.000	4.000	11.170	0.830	0.000	74.169	-
iv	col	8.000	4.000	0.830	9.250	0.000	245.680	-
Total Quantity							699.1732 Sft (Square Foot)	64.9552877996 Sqm (Square Meter)
Amount							64.9552877996 X 192.5036222176	12504.13

**12. Painting (AR0919b) : Finishing wall surface with One Coat with plastic emulsion paint of approved shades above one coat water bound Primer on old work (Inside)**

Finishing wall surface with One Coat with plastic emulsion paint of approved shades above one coat waterbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge..(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ceiling	1.000	22.000	14.500	0.000	0.000	319.000	-
ii	beam	2.000	2.000	18.170	0.830	0.000	60.324	-
iii		2.000	4.000	11.170	0.830	0.000	74.169	-
iv	col	8.000	4.000	0.830	9.250	0.000	245.680	-
Total Quantity							699.1732 Sft (Square Foot)	64.9552877996 Sqm (Square Meter)

Amount	64.9552877996 X 132.60413670851	8613.34
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Total Amount (A) : 343801.28
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Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.2698.71	-	2698.71
2	Provision for Contingency @ Rs.3500	-	3500
Additional Components Amount (F) : 6198.71			

Grand Total Amount (A + F) : 349999.99410952
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