

## Detailed Estimate

**OD/361/3452/119471/386010/00068088 : CONST OF BHOGA MANDAP LAXMI MANDIR AT UPARDIHA**

**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	wall	2.000	32.660	1.660	1.330	0.000	144.214	-
ii		1.000	15.000	1.660	1.330	0.000	33.117	-
iii	post	6.000	2.000	2.000	3.500	0.000	84.000	-
iv		1.000	3.830	1.660	1.330	0.000	8.456	-
v	deduct post	6.000	2.000	1.660	1.330	0.000	-	26.494
<b>Total Quantity</b>					243.29277 Cft (Cubic Foot)		6.889272709536 Cum (Cubic Meter)	
<b>Amount</b>					<b>6.889272709536 X 240.77592</b>		<b>1658.77</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	wall	2.000	32.660	1.660	0.330	0.000	35.782	-
ii		1.000	15.000	1.660	0.330	0.000	8.217	-
iii	post	6.000	2.000	2.000	0.330	0.000	7.920	-
iv		1.000	3.830	1.660	0.330	0.000	2.098	-

v	inside room	1.000	31.830	14.170	0.660	0.000	297.681	-	
vi	deduct	6.000	2.000	1.660	0.330	0.000	-	6.574	
Total Quantity					345.124296 Cft (Cubic Foot)		9.7728156649728 Cum (Cubic Meter)		
Amount					9.7728156649728 X 1053.089832		10291.65		

### 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	wall	2.000	32.660	1.660	0.330	0.000	35.782	-	
ii		1.000	15.000	1.660	0.330	0.000	8.217	-	
iii	post	6.000	2.000	2.000	0.330	0.000	7.920	-	
iv		1.000	3.830	1.660	0.330	0.000	2.098	-	
v	inside room	1.000	31.830	14.170	0.330	0.000	148.840	-	
vi	deduct	6.000	2.000	1.660	0.330	0.000	-	6.574	
Total Quantity					196.284033 Cft (Cubic Foot)		5.5581357056544 Cum (Cubic Meter)		
Amount					5.5581357056544 X 6038.57783132		33563.24		

### 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	32.660	0.830	1.830	0.000	99.215	-

ii		1.000	15.000	0.830	1.830	0.000	22.784	-	
iii		1.000	3.830	0.830	1.830	0.000	5.817	-	
iv	deduct	6.000	2.000	0.830	1.830	0.000	-	18.227	
Total Quantity					109.588635 Cft (Cubic Foot)		3.103199459568 Cum (Cubic Meter)		
Amount					3.103199459568 X 5227.341352576		16221.48		

**5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

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  $\pm 8$  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		2.000	32.660	0.830	1.250	0.000	67.770	-	
Total Quantity					67.7695 Cft (Cubic Foot)		1.9190153776 Cum (Cubic Meter)		
Amount					1.9190153776 X 5260.671352576		10095.31		

**6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

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 specification and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	post	6.000	2.000	2.000	2.840	0.000	68.160	-	
Total Quantity					68.16 Cft (Cubic Foot)		1.930073088 Cum (Cubic Meter)		
Amount					1.930073088 X 7494.35703884		14464.66		

**7. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)**

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		2.000	32.660	0.000	2.000	0.000	130.640	-
ii		2.000	32.660	0.000	1.000	0.000	65.320	-
iii		1.000	15.000	0.000	1.000	0.000	15.000	-
Total Quantity					210.96 Sft (Square Foot)		19.59881688 Sqm (Square Meter)	
Amount					19.59881688 X 251.157613444		4922.39	

**8. Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties**

Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	36.000	8.500	0.000	0.000	612.000	-
ii		1.000	36.000	2.000	0.000	0.000	72.000	-
Total Quantity					684 Sft (Square Foot)		63.545652 Sqm (Square Meter)	
Amount					63.545652 X 537.91264772832		34182.01	

**9. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks**

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	72 x 72 x 4 mm	6.000	4.200	0.000	0.000	8.220	207.144	-
ii	50 x 50 x 3.6 mm	3.000	4.800	0.000	0.000	5.000	72.000	-

iii		6.000	2.700	0.000	0.000	5.000	81.000	-
iv	purline	6.000	10.700	0.000	0.000	5.000	321.000	-
v	40 x 40 x 2.9 mm	6.000	0.150	0.000	0.000	3.210	2.889	-
vi		6.000	0.300	0.000	0.000	3.210	5.778	-
vii		6.000	0.450	0.000	0.000	3.210	8.667	-
viii		3.000	0.600	0.000	0.000	3.210	5.778	-
ix		6.000	0.650	0.000	0.000	3.210	12.519	-
x		12.000	0.850	0.000	0.000	3.210	32.742	-
Total Quantity					749.517 Kg (Kilo Gram)		7.49517 Qntl (Quintal)	
Amount					7.49517 X 14025.219248252		105121.40	
<b>10. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory</b>								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	32.660	14.160	0.000	0.000	462.466	-
ii		2.000	32.660	0.500	0.000	0.000	32.660	-
Total Quantity					495.1256 Sft (Square Foot)		45.9986536168 Sqm (Square Meter)	
Amount					45.9986536168 X 1019.0323706322		46874.12	
<b>11. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.</b>								
Priming one coat in inner surface with primer of approved quality over iron work 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	MS Pipe	4.000	84.000	0.200	0.000	0.000	67.200	-
ii		4.000	313.000	0.170	0.000	0.000	212.840	-
iii		4.000	74.000	0.120	0.000	0.000	35.520	-
iv	Window	4.000	3.170	0.000	3.500	2.750	122.045	-
v		1.000	5.830	0.000	6.500	2.250	85.264	-
Total Quantity					522.86875 Sft (Square Foot)		48.57607548125 Sqm (Square Meter)	
Amount					48.57607548125 X 66.12545887751		3212.12	
<b>12. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	20.000	0.000	11.000	0.000	440.000	-
ii		2.000	11.830	0.000	11.000	0.000	260.260	-
iii		2.000	32.660	0.000	2.000	0.000	130.640	-
iv		2.000	32.660	0.000	1.000	0.000	65.320	-
v		1.000	15.000	0.000	1.000	0.000	15.000	-
Total Quantity					911.22 Sft (Square Foot)		84.65507166 Sqm (Square Meter)	
Amount					84.65507166 X 160.75408487694		13608.65	
<b>Total Amount</b>							<b>294215.79</b>	
<b>Addition</b>								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							2784.20	

Provision for Contingency (+) @	3000.00
Provision for EI Work (+) @	
Provision for PH Work (+) @	
Any Other Lumpsum (+) @	
<b>Total Addition</b>	<b>5784.20</b>
<b>Grand Net Total Amount</b>	<b>299999.99</b>

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**Binod Chandra Panda**  
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