

## Detailed Estimate

**OD/361/3452/119449/386026/00067337 : CONST. OF MAJHIDHAN MANDAP AT UPARSAHI DUNGURI BALI  
TALAKUSUMITA**

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

**Created By:Kandarpa Palei**

<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 foundation	4.000	4.000	4.000	4.000	0.000	256.000	-
ii	Wall foundation	1.000	45.000	2.000	1.500	0.000	135.000	-
iii	Step	1.000	12.750	4.000	1.000	0.000	51.000	-
iv	Column	4.000	4.000	2.000	1.500	0.000	-	48.000
<b>Total Quantity</b>					<b>394 Cft (Cubic Foot)</b>		<b>11.1568192 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>11.1568192 X 240.77592</b>		<b>2686.29</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 foundation	4.000	4.000	4.000	0.500	0.000	32.000	-
ii	Wall foundation	1.000	45.000	2.000	0.330	0.000	29.700	-
iii	Step	1.000	12.750	4.000	0.330	0.000	16.830	-
iv	Column	4.000	0.830	0.830	0.330	0.000	-	0.909

v	Floor	1.000	10.420	10.420	2.000	0.000	217.153	-
Total Quantity					294.773452 Cft (Cubic Foot)		8.3470408855936 Cum (Cubic Meter)	
Amount					8.3470408855936 X 1053.089832		8790.18	
<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	Column foundation	4.000	4.000	4.000	0.500	0.000	32.000	-
ii	Wall foundation	1.000	47.660	2.000	0.330	0.000	31.456	-
iii	Step	4.000	12.750	0.830	0.330	0.000	13.969	-
iv	Column	4.000	0.830	0.830	0.330	0.000	-	0.909
v	Floor	1.000	10.420	10.420	0.330	0.000	35.830	-
Total Quantity					112.345364 Cft (Cubic Foot)		3.1812612033152 Cum (Cubic Meter)	
Amount					3.1812612033152 X 6052.32802182		19254.04	
<b>4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
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 foundation	1.000	47.660	1.250	2.830	0.000	168.597	-
ii	Step	4.000	12.750	0.830	0.580	0.000	24.551	-

iii	Column	4.000	0.830	0.830	2.830	0.000	-	7.798
iv	Side of P.Beam	2.000	47.660	0.250	0.830	0.000	19.779	-
Total Quantity					205.129202 Cft (Cubic Foot)		5.8086025871936 Cum (Cubic Meter)	
Amount					5.8086025871936 X 5231.376342976		30386.99	

**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 Footing	4.000	4.000	4.000	0.830	0.000	53.120	-
ii		4.000	2.000	2.000	0.830	0.000	13.280	-
Total Quantity					66.4 Cft (Cubic Foot)		1.88023552 Cum (Cubic Meter)	
Amount					1.88023552 X 6560.9746714479		12336.18	

**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	47.660	0.830	0.830	0.000	32.833	-
Total Quantity					32.832974 Cft (Cubic Foot)		0.9297247581632 Cum (Cubic Meter)	
Amount					0.9297247581632 X 7317.7967965896		6803.54	

**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	4.000	0.830	0.830	10.000	0.000	27.556	-
ii	Wall beam	1.000	47.660	0.830	0.830	0.000	32.833	-
Total Quantity					60.388974 Cft (Cubic Foot)		1.7100224989632 Cum (Cubic Meter)	
Amount					1.7100224989632 X 14616.728058768		24994.93	

**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	2.000	2.000	0.330	0.000	1.320	-
ii		4.000	6.250	6.000	0.330	0.000	49.500	-
iii		2.000	14.420	2.000	0.330	0.000	19.034	-
iv		2.000	12.080	2.000	0.330	0.000	15.946	-
Total Quantity					85.8 Cft (Cubic Foot)		2.42958144 Cum (Cubic Meter)	
Amount					2.42958144 X 12862.859075838		31251.36	

**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	Roof slab	1.000	2.430	0.000	0.000	0.900	2.187	-
ii	Column & Beam footing	1.000	1.710	0.000	0.000	1.000	1.710	-
iii	plinth beam	1.000	0.930	0.000	0.000	1.000	0.930	-
iv	Column Fotting	1.000	1.880	0.000	0.000	1.000	1.880	-
Total Quantity					6.707 Qntl (Quintal)		6.707 Qntl (Quintal)	
Amount					6.707 X 9267.2761797		62155.62	

**10. 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	Celling	1.000	2.000	2.000	0.000	0.000	4.000	-
ii		4.000	6.250	6.000	0.000	0.000	150.000	-
iii	beam side	8.000	11.250	0.000	0.830	0.000	74.700	-
iv	beam bottom	4.000	10.420	0.830	0.000	0.000	34.594	-
v	Column	4.000	3.320	0.000	3.170	0.000	42.098	-
Total Quantity					305.392 Sft (Square Foot)		28.371832976 Sqm (Square Meter)	
Amount					28.371832976 X 71.85266428151		2038.59	

**11. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)**

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes 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	Celling	1.000	2.000	2.000	0.000	0.000	4.000	-
ii		4.000	6.250	6.000	0.000	0.000	150.000	-
iii	beam side	8.000	11.250	0.000	0.830	0.000	74.700	-
iv	Beam bottom	4.000	10.420	0.830	0.000	0.000	34.594	-
v	Column	4.000	3.320	0.000	3.170	0.000	42.098	-
Total Quantity					305.392 Sft (Square Foot)		28.371832976 Sqm (Square Meter)	
Amount					28.371832976 X 93.9822258375		2666.45	

**12. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory**

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	Floor	1.000	12.580	12.580	0.000	0.000	158.256	-
ii	Step	4.000	12.750	1.000	0.000	0.000	51.000	-
Total Quantity					209.2564 Sft (Square Foot)		19.4405473292 Sqm (Square Meter)	
Amount					19.4405473292 X 1021.3756352722		19856.10	

**13. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)**

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
-------	-------------	----	---	---	---	----	----------	-----------

i	Column	4.000	3.320	0.000	3.000	0.000	39.840	-
ii	Step	5.000	12.750	0.660	0.000	0.000	42.075	-
Total Quantity					81.915 Sft (Square Foot)		7.610149245 Sqm (Square Meter)	
Amount					7.610149245 X 1540.674694496		11724.76	

**14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	2.000	2.000	0.000	0.000	4.000	-
ii		4.000	6.250	6.000	0.000	0.000	150.000	-
iii	Cornice	2.000	14.420	2.000	0.000	0.000	57.680	-
iv		2.000	12.080	2.000	0.000	0.000	48.320	-
v	Column	4.000	3.320	0.000	6.170	0.000	81.938	-
vi	beam	8.000	11.250	0.000	0.830	0.000	74.700	-
Total Quantity					416.6376 Sft (Square Foot)		38.7068829528 Sqm (Square Meter)	
Amount					38.7068829528 X 192.7269877576		7459.86	

**15. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.**

20mm thick cement Plaster in CM (1:4) over stone 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	2.000	2.000	0.000	0.000	4.000	-
ii		4.000	6.250	6.000	0.000	0.000	150.000	-

iii		2.000	14.420	2.000	0.000	0.000	57.680	-
iv		2.000	12.080	2.000	0.000	0.000	48.320	-
Total Quantity					260 Sft (Square Foot)		24.15478 Sqm (Square Meter)	
Amount					24.15478 X 276.7106691152		6683.89	

**16. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer**

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	Roof slab	2.000	14.420	1.170	0.000	0.000	33.743	-
ii		2.000	12.080	1.170	0.000	0.000	28.267	-
iii	roof slab sides	4.000	14.420	0.500	0.000	0.000	28.840	-
iv	plinth	3.000	12.500	0.000	2.500	0.000	93.750	-
Total Quantity					184.6 Sft (Square Foot)		17.1498938 Sqm (Square Meter)	
Amount					17.1498938 X 160.76701381363		2757.14	

**17. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm**

Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hand rail	4.000	10.420	0.000	0.000	0.000	41.680	-
Total Quantity					41.68 Ft (Feet)		12.70406359347 Rmt (Meter)	
Amount					12.70406359347 X 3129.0244276074		39751.33	

<b>Total Amount</b>	<b>291597.25</b>
<b>Addition</b>	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	402.74
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>8402.74</b>
<b>Grand Net Total Amount</b>	<b>299999.99</b>

**Kandarpa Palei**  
**JE**  
**Kendujhar Sadar Block**

**Sabyasachi Pradhan**  
**AEE**  
**Kendujhar Sadar Block**

**Binod Chandra Panda**  
**BDO**  
**Kendujhar Sadar Block**