

Detailed Estimate

OD/361/3452/119456/385948/00068172 : CONST. OF BHOG MANDAP AT SILISUAN VILLAGE

Block : Kendujhar Sadar, Gram Panchayat : Kandaraposi

Created By:Ranjan Kumar Swain

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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	4.500	4.500	4.000	0.000	648.000	-
ii	wall	1.000	85.320	2.000	2.000	0.000	341.280	-
iii	Ded col	8.000	4.500	2.000	2.000	0.000	-	144.000
iv	Steps	1.000	5.000	3.000	1.000	0.000	15.000	-
v	pl prot	2.000	25.000	4.000	0.500	0.000	100.000	-
vi		2.000	22.000	4.000	0.500	0.000	88.000	-
Total Quantity					1048.28 Cft (Cubic Foot)		29.683935104 Cum (Cubic Meter)	
Amount					29.683935104 X 240.77592		7147.18	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
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	4.500	4.500	0.330	0.000	53.460	-
ii	wall	1.000	85.320	2.000	0.330	0.000	56.311	-
iii	Ded col	8.000	4.500	2.000	0.330	0.000	-	23.760
iv	Steps	1.000	5.000	3.000	0.330	0.000	4.950	-
v	Room Fl	1.000	20.500	20.500	2.000	0.000	840.500	-

vi	pl prot	2.000	25.000	4.000	0.250	0.000	50.000	-
vii		2.000	22.000	4.000	0.250	0.000	44.000	-
Total Quantity					1025.4612 Cft (Cubic Foot)		29.03777970816 Cum (Cubic Meter)	
Amount					29.03777970816 X 1146.009832		33277.58	

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	4.500	4.500	0.330	0.000	53.460	-
ii	wall	1.000	85.320	2.000	0.330	0.000	56.311	-
iii	Ded col	8.000	4.500	2.000	0.330	0.000	-	23.760
iv	Steps	1.000	5.000	3.000	0.330	0.000	4.950	-
v	Room Fl	1.000	20.500	20.500	0.330	0.000	138.682	-
vi	Pl prot	2.000	25.000	4.000	0.330	0.000	66.000	-
vii		2.000	22.000	4.000	0.330	0.000	58.080	-
Total Quantity					353.7237 Cft (Cubic Foot)		10.01632326816 Cum (Cubic Meter)	
Amount					10.01632326816 X 6195.67116082		62057.85	

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/cm² 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	1.000	85.320	1.250	2.000	0.000	213.300	-
ii	Ded col	8.000	0.830	0.830	2.000	0.000	-	11.022

iii	Pl beam	2.000	106.640	0.830	0.250	0.000	44.256	-
iv	Steps	1.000	5.000	3.000	0.830	0.000	12.450	-
v	Steps	1.000	5.000	2.000	0.580	0.000	5.800	-
vi	Steps	1.000	5.000	1.000	0.580	0.000	2.900	-
Total Quantity					267.6832 Cft (Cubic Foot)		7.57993163776 Cum (Cubic Meter)	
Amount					7.57993163776 X 5249.323962176		39789.52	

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/cm² 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	21.330	0.830	2.580	0.000	91.352	-
ii	Ded col	8.000	0.830	0.830	2.580	0.000	-	14.219
iii	sw	2.000	21.330	0.830	2.580	0.000	91.352	-
Total Quantity					168.485352 Cft (Cubic Foot)		4.7709660155136 Cum (Cubic Meter)	
Amount					4.7709660155136 X 5282.653962176		25203.36	

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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	8.000	4.500	4.500	0.830	0.000	134.460	-
ii	2nd footing	8.000	2.000	2.000	0.660	0.000	21.120	-

Total Quantity	155.58 Cft (Cubic Foot)	4.405527744 Cum (Cubic Meter)
Amount	4.405527744 X 6679.4299590779	29426.41

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plbeam	1.000	106.640	0.830	0.830	0.000	73.464	-
Total Quantity					73.464296 Cft (Cubic Foot)		2.0802737769728 Cum (Cubic Meter)	
Amount					2.0802737769728 X 7436.2520842196		15469.44	

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	6.000	0.830	0.830	9.500	0.000	39.267	-
ii	Column	2.000	1.250	0.830	9.500	0.000	19.713	-
iii	Column upto PL	6.000	0.830	0.830	2.500	0.000	10.334	-
iv	Column	2.000	1.250	1.250	2.500	0.000	7.813	-
v	Wall beam	4.000	21.330	0.830	0.660	0.000	46.738	-
vi	Middle	1.000	21.330	0.830	1.500	0.000	26.556	-
Total Quantity					150.419946 Cft (Cubic Foot)		4.2594115268928 Cum (Cubic Meter)	
Amount					4.2594115268928 X 14735.183346398		62763.21	

9. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	21.330	0.830	0.660	0.000	23.369	-
ii	SW	2.000	21.330	0.830	0.660	0.000	23.369	-
Total Quantity						46.738296 Cft (Cubic Foot)	1.3234789801728 Cum (Cubic Meter)	
Amount						1.3234789801728 X 13343.714187609	17660.13	

10. R.C.C. Work (AR0404Af) : 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 Sun sheds & Chajja)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	25.160	0.000	1.500	0.000	75.480	-
ii	SW	2.000	22.160	0.000	1.500	0.000	66.480	-
Total Quantity						141.96 Sft (Square Foot)	13.18850988 Sqm (Square Meter)	
Amount						13.18850988 X 1126.0187509493	14850.51	

11. 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	LW	1.000	23.160	23.160	0.370	0.000	198.463	-

Total Quantity	198.462672 Cft (Cubic Foot)	5.6198277904896 Cum (Cubic Meter)
Amount	5.6198277904896 X 12981.314363468	72952.75

12. 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	MS Rod	1.000	18.510	0.000	1.000	0.000	18.510	-
Total Quantity					18.51 Qntl (Quintal)		18.51 Qntl (Quintal)	
Amount					18.51 X 9292.4948697		172004.08	

13. 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	Inside lw	2.000	20.500	0.000	4.000	0.000	164.000	-
ii	sw	2.000	20.500	0.000	4.000	0.000	164.000	-
Total Quantity					328 Sft (Square Foot)		30.472184 Sqm (Square Meter)	
Amount					30.472184 X 252.571982094		7696.42	

14. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (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	Inside lw	2.000	22.660	0.000	2.500	0.000	113.300	-
ii	sw	2.000	22.660	0.000	2.500	0.000	113.300	-
iii	Steps	2.000	3.000	0.000	1.500	0.000	9.000	-

iv	LW	2.000	22.160	0.000	4.000	0.000	177.280	-
v	SW	2.000	22.160	0.000	4.000	0.000	177.280	-
Total Quantity					590.16 Sft (Square Foot)		54.82763448 Sqm (Square Meter)	
Amount					54.82763448 X 176.9079353564		9699.44	

15. 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	Inside CEILING	1.000	20.410	0.000	20.410	0.000	416.568	-
ii	Chajja	2.000	25.160	0.000	1.500	2.000	150.960	-
iii	ch	2.000	22.160	0.000	1.500	2.000	132.960	-
iv	Cornice	2.000	22.160	0.000	0.830	0.000	36.786	-
v	SW	2.000	23.160	0.000	0.830	0.000	38.446	-
vi	Column	6.000	4.000	0.000	7.000	0.000	168.000	-
vii		2.000	4.500	0.000	7.000	0.000	63.000	-
Total Quantity					1006.7193 Sft (Square Foot)		93.5272431279 Sqm (Square Meter)	
Amount					93.5272431279 X 192.9771566776		18048.62	

16. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	22.160	22.160	0.000	0.000	491.066	-
ii	Steps	3.000	5.000	1.500	0.000	0.000	22.500	-

Total Quantity	513.5656 Sft (Square Foot)	47.7117849368 Sqm (Square Meter)
Amount	47.7117849368 X 1070.5607728322	51078.37

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	Railing	1.000	81.000	0.000	0.000	0.000	81.000	-
ii	Gate	2.000	4.000	3.000	0.000	0.000	24.000	-
Total Quantity					105 Ft (Feet)		32.003998975872 Rmt (Meter)	
Amount					32.003998975872 X 3129.0244276074		100141.29	

18. 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	inside	1.000	328.000	0.000	1.000	0.000	328.000	-
ii	6mm plaster	1.000	1006.719	0.000	1.000	0.000	1006.720	-
Total Quantity					1334.7193 Sft (Square Foot)		123.9994271279 Sqm (Square Meter)	
Amount					123.9994271279 X 71.86275175751		8910.94	

19. 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	inside	1.000	328.000	0.000	1.000	0.000	328.000	-

ii	6mm plaster	1.000	1006.719	0.000	1.000	0.000	1006.720	-
Total Quantity					1334.7193 Sft (Square Foot)		123.9994271279 Sqm (Square Meter)	
Amount					123.9994271279 X 93.9972369625		11655.60	

20. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Outside	1.000	590.160	0.000	1.000	0.000	590.160	-
Total Quantity					590.16 Sft (Square Foot)		54.82763448 Sqm (Square Meter)	
Amount					54.82763448 X 160.79287168702		8815.89	

21. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pl prot	2.000	25.000	4.000	0.250	0.000	50.000	-
ii		2.000	22.000	4.000	0.250	0.000	44.000	-
Total Quantity					94 Cft (Cubic Foot)		2.6617792 Cum (Cubic Meter)	
Amount					2.6617792 X 7635.12846534		20323.03	

Total Amount (A) : 788971.62

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.3028.38	-	3028.38

2	Provision for Contingency @ Rs.8000	-	8000
Additional Components Amount (F) : 11028.38			
Grand Total Amount (A + F) : 799999.99969811			

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Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
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