

Detailed Estimate

OD/361/3452/119469/385970/00068317 : CONST OF BHAGABAT TUNGI AT BHAGABANDAHA

Block : Kendujhar Sadar, Gram Panchayat : Raikala

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	6.000	4.000	4.000	4.000	0.000	384.000	-
ii	wall	1.000	66.000	2.000	2.000	0.000	264.000	-
iii	Step	1.000	6.000	2.000	1.000	0.000	12.000	-
iv	Ded col	6.000	4.000	2.000	2.000	0.000	-	96.000
Total Quantity						564 Cft (Cubic Foot)	15.9706752 Cum (Cubic Meter)	
Amount						15.9706752 X 240.77592	3845.35	
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	6.000	4.000	4.000	0.330	0.000	31.680	-
ii	wall	1.000	66.000	2.000	0.330	0.000	43.560	-
iii	Step	1.000	6.000	2.000	0.330	0.000	3.960	-
iv	Ded col	6.000	4.000	2.000	0.330	0.000	-	15.840
v	Room fl	1.000	11.000	10.000	1.500	0.000	165.000	-

vi	FR.mandap	1.000	11.000	12.000	1.500	0.000	198.000	-
Total Quantity					426.36 Cft (Cubic Foot)		12.073150848 Cum (Cubic Meter)	
Amount					12.073150848 X 1238.929832		14957.79	

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	Column	6.000	4.000	4.000	0.330	0.000	31.680	-
ii	wall	1.000	66.000	2.000	0.330	0.000	43.560	-
iii	Step	1.000	6.000	2.000	0.330	0.000	3.960	-
iv	Ded col	6.000	4.000	2.000	0.330	0.000	-	15.840
v	Room fl	1.000	11.000	10.000	0.330	0.000	36.300	-
vi	FR.mandap	1.000	11.000	12.000	0.330	0.000	43.560	-
Total Quantity					143.22 Cft (Cubic Foot)		4.055532096 Cum (Cubic Meter)	
Amount					4.055532096 X 6334.24513032		25688.73	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	66.000	1.250	1.500	0.000	123.750	-
ii	PB	2.000	66.000	0.830	0.250	0.000	27.390	-

iii	Ded col	6.000	0.830	0.830	1.500	0.000	-	6.200
iv	Room fl	1.000	11.000	0.830	0.580	0.000	5.295	-
v	FR.mandap	2.000	11.000	0.830	0.250	0.000	4.565	-
vi	Step	1.000	6.000	2.000	0.830	0.000	9.960	-
vii		1.000	6.000	1.000	0.580	0.000	3.480	-
Total Quantity						168.2403 Cft (Cubic Foot)	4.76402692704 Cum (Cubic Meter)	
Amount						4.76402692704 X 5115.147946776	24368.70	
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 ² 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	11.830	0.830	9.500	0.000	186.559	-
ii	PB	2.000	10.830	0.830	9.500	0.000	170.789	-
iii	Ded col	6.000	0.830	0.830	9.500	0.000	-	39.267
iv	d	1.000	3.000	0.830	7.000	0.000	-	17.430
v	w	2.000	2.500	0.830	4.500	0.000	-	18.675
vi	Short wall	2.000	12.830	0.830	4.000	0.000	85.191	-
vii		1.000	7.000	0.830	4.000	0.000	23.240	-
Total Quantity						390.4071 Cft (Cubic Foot)	11.05507976928 Cum (Cubic Meter)	
Amount						11.05507976928 X 5148.477946776	56916.83	
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	6.000	4.000	4.000	0.750	0.000	72.000	-
ii	2nd footing	6.000	2.000	2.000	0.500	0.000	12.000	-
Total Quantity						84 Cft (Cubic Foot)	2.3786112 Cum (Cubic Meter)	
Amount						2.3786112 X 6801.3786028929	16177.84	

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	Pl. beam	1.000	82.830	0.830	0.830	0.000	57.062	-
Total Quantity						57.061587 Cft (Cubic Foot)	1.6158015467616 Cum (Cubic Meter)	
Amount						1.6158015467616 X 7558.2007280346	12212.55	

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	Wall	6.000	0.830	0.830	2.000	0.000	8.267	-

iii	Wall beam	3.000	11.830	0.830	0.660	0.000	19.441	-
iv		2.000	23.660	0.830	0.660	0.000	25.922	-
Total Quantity					92.897418 Cft (Cubic Foot)		2.6305576060224 Cum (Cubic Meter)	
Amount					2.6305576060224 X 14857.131990213		39082.54	

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	Lintel LW	2.000	11.830	0.830	0.500	0.000	9.819	-
ii	sw	2.000	10.830	0.830	0.500	0.000	8.989	-
iii	Fr. Mandap	1.000	11.830	0.830	0.660	0.000	6.480	-
iv		2.000	12.830	0.830	0.660	0.000	14.057	-
Total Quantity					39.344822 Cft (Cubic Foot)		1.1141194556096 Cum (Cubic Meter)	
Amount					1.1141194556096 X 13465.662831424		15002.36	

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	CHAJJA	2.000	12.830	0.000	1.500	0.000	38.490	-
ii	FRONT	1.000	14.830	0.000	1.500	0.000	22.245	-

Total Quantity	60.735 Sft (Square Foot)	5.642463705 Sqm (Square Meter)
Amount	5.642463705 X 1133.6405411878	6396.53

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	Roof slab	1.000	25.500	13.660	0.330	0.000	114.949	-
Total Quantity					114.9489 Cft (Cubic Foot)		3.25498501152 Cum (Cubic Meter)	
Amount					3.25498501152 X 13103.263007283		42650.92	

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	10.880	0.000	1.000	0.000	10.880	-
Total Quantity					10.88 Qntl (Quintal)		10.88 Qntl (Quintal)	
Amount					10.88 X 9292.4948697		101102.34	

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	ROOM	2.000	11.000	0.000	10.000	0.000	220.000	-

ii	SW	2.000	10.000	0.000	10.000	0.000	200.000	-	
iii		2.000	12.000	0.000	5.000	0.000	120.000	-	
iv		1.000	11.000	0.000	5.000	0.000	55.000	-	
v	Ded D	1.000	3.000	0.000	7.000	0.500	-	10.500	
vi		2.000	2.500	0.000	4.500	0.500	-	11.250	
vii	D	1.000	4.000	0.000	2.500	0.500	-	5.000	
viii		1.000	12.660	0.000	10.000	0.000	126.600	-	
Total Quantity					694.85 Sft (Square Foot)		64.55364955 Sqm (Square Meter)		
Amount					64.55364955 X 253.986350744		16395.75		

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	LW	2.000	25.000	0.000	3.000	0.000	150.000	-	
ii	SW	2.000	13.160	0.000	3.000	0.000	78.960	-	
iii		2.000	12.660	0.000	10.500	0.000	265.860	-	
iv		2.000	24.500	0.000	10.500	0.000	514.500	-	
v	Ded D	2.000	12.000	0.000	4.500	0.500	-	54.000	
vi		1.000	11.000	0.000	4.500	0.500	-	24.750	
vii	D	1.000	4.000	0.000	2.500	0.500	-	5.000	
Total Quantity					925.57 Sft (Square Foot)		85.98822971 Sqm (Square Meter)		
Amount					85.98822971 X 178.0867760464		15313.37		

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	CORNICE	2.000	25.500	0.000	0.830	0.000	42.330	-
ii	SW	2.000	13.660	0.000	0.830	0.000	22.676	-
iii	Room	1.000	11.000	0.000	10.000	0.000	110.000	-
iv	MANDAP	2.000	12.000	0.000	10.000	0.000	240.000	-
v	Chajja	2.000	15.660	0.000	1.500	0.000	46.980	-
vi		4.000	13.660	0.000	1.500	0.000	81.960	-
Total Quantity					543.9456 Sft (Square Foot)		50.5341780768 Sqm (Square Meter)	
Amount					50.5341780768 X 193.4506911376		9775.87	

16. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	11.000	10.000	0.000	0.000	110.000	-
ii	MANDAP	1.000	12.000	11.000	0.000	0.000	132.000	-
iii	Dado	2.000	21.000	0.000	0.500	0.000	21.000	-
iv		2.000	23.000	0.000	0.500	0.000	23.000	-
v	d	1.000	3.000	0.830	0.000	0.000	2.490	-
vi	step	2.000	6.000	1.500	0.000	0.000	18.000	-

Total Quantity	306.49 Sft (Square Foot)	28.47384047 Sqm (Square Meter)
Amount	28.47384047 X 1030.1371883222	29331.96

17. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours 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	Door	1.000	3.000	0.000	7.000	2.500	52.500	-
ii	w	2.000	2.500	0.000	4.500	2.000	45.000	-
iii	Gate	1.000	4.000	0.000	2.500	2.500	25.000	-

Total Quantity	122.5 Kg (Kilo Gram)	1.225 Qntl (Quintal)
Amount	1.225 X 16594.158821087	20327.84

18. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	D	1.000	3.000	0.000	7.000	2.250	47.250	-
ii	w	2.000	2.500	0.000	4.500	0.750	16.875	-
iii		1.000	4.000	0.000	2.500	0.750	7.500	-

Total Quantity	71.625 Sft (Square Foot)	6.654177375 Sqm (Square Meter)
Amount	6.654177375 X 230.42944204453	1533.32

19. 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 area	1.000	694.850	0.000	1.000	0.000	694.850	-
ii	6mm plaster	1.000	543.940	0.000	1.000	0.000	543.940	-
Total Quantity					1238.79 Sft (Square Foot)		115.08730737 Sqm (Square Meter)	
Amount					115.08730737 X 71.87283923351		8271.65	

20. Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside)

Finishing wall One Coat with plastic emulsion paint of approved shades on old 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 area	1.000	694.850	0.000	1.000	0.000	694.850	-
ii	6mm plaster	1.000	543.940	0.000	1.000	0.000	543.940	-
Total Quantity					1238.79 Sft (Square Foot)		115.08730737 Sqm (Square Meter)	
Amount					115.08730737 X 60.7790328525		6994.90	

21. 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	Out side area	1.000	925.570	0.000	1.000	0.000	925.570	-
Total Quantity					925.57 Sft (Square Foot)		85.98822971 Sqm (Square Meter)	
Amount					85.98822971 X 160.8187295604		13828.52	
Total Amount							480175.67	

Addition

Provision for survey investigation and quality control (+) @	
Display Citizen Board (+) @	3000.00
Provision for Contingency (+) @	5000.00
Provision for EI Work (+) @	11824.33
Provision for PH Work (+) @	
Any Other Lumpsum (+) @	
Total Addition	19824.33
Grand Net Total Amount	500000.00

Ranjan Kumar Swain
JE
Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
Kendujhar Sadar Block