

Detailed Estimate

OD/361/3452/119465/386035/00072562 : CONST. OF BHAGABATA TUNGI AT PADMAPUR NUASAH DASARA SAHI
Block : Kendujhar Sadar, Gram Panchayat : Padmapur
Created By:Ratikanta Lenka

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	4.000	4.500	4.500	4.000	0.000	324.000	-
ii	Wall	1.000	55.330	2.000	2.500	0.000	276.650	-
iii	Ver	1.000	15.660	2.000	2.500	0.000	78.300	-
iv		2.000	1.660	2.000	2.500	0.000	16.600	-
v	Deduct Column	4.000	4.500	2.000	2.500	0.000	-	90.000
Total Quantity					605.55 Cft (Cubic Foot)		17.14723824 Cum (Cubic Meter)	
Amount					17.14723824 X 240.77592		4128.64	
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	4.000	4.500	4.500	0.500	0.000	40.500	-
ii	Wall	1.000	55.330	2.000	0.330	0.000	36.518	-
iii	Ver	1.000	15.660	2.000	0.330	0.000	10.336	-
iv		2.000	1.660	2.000	0.330	0.000	2.191	-
v	Deduct Column	4.000	4.500	2.000	0.330	0.000	-	11.880
vi	Room Floor	1.000	14.000	12.000	1.500	0.000	252.000	-

vii	Ver. Floor	1.000	14.000	1.660	0.830	0.000	19.289	-
Total Quantity					348.9538 Cft (Cubic Foot)		9.88125496384 Cum (Cubic Meter)	
Amount					9.88125496384 X 995.055232		9832.39	

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	4.000	4.500	4.500	0.500	0.000	40.500	-
ii	Wall	1.000	55.330	2.000	0.330	0.000	36.518	-
iii	Ver	1.000	15.660	2.000	0.330	0.000	10.336	-
iv		2.000	1.660	2.000	0.330	0.000	2.191	-
v	Deduct Column	4.000	4.500	2.000	0.330	0.000	-	11.880
vi	Room Floor	1.000	14.000	12.000	0.330	0.000	55.440	-
vii	Ver. Floor	1.000	14.000	1.660	0.330	0.000	7.669	-
Total Quantity					140.7738 Cft (Cubic Foot)		3.98626353984 Cum (Cubic Meter)	
Amount					3.98626353984 X 5933.85007282		23653.89	

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	55.330	1.250	2.500	0.000	172.906	-
ii	Ver	1.000	15.660	0.830	1.830	0.000	23.786	-
iii		2.000	1.660	0.830	1.830	0.000	5.043	-

iv	Deduct Column	4.000	0.830	0.830	2.500	0.000	-	6.889
Total Quantity					194.845972 Cft (Cubic Foot)		5.5174144199296 Cum (Cubic Meter)	
Amount					5.5174144199296 X 5155.003799176		28442.29	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	55.330	0.830	9.000	0.000	413.315	-
ii	Deduct Column	4.000	0.830	0.830	9.000	0.000	-	24.800
iii	Deduct D	1.000	3.500	0.830	6.830	0.000	-	19.841
iv	Deduct W	2.000	4.000	0.830	4.000	0.000	-	26.560
Total Quantity					342.11355 Cft (Cubic Foot)		9.68756097264 Cum (Cubic Meter)	
Amount					9.68756097264 X 5188.333799176		50262.30	

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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Base	4.000	4.000	4.000	0.830	0.000	53.120	-
ii		4.000	2.000	2.000	0.660	0.000	10.560	-
Total Quantity					63.68 Cft (Cubic Foot)		1.803213824 Cum (Cubic Meter)	

Amount							1.803213824 X 6433.9726890779	11601.83
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	Column Base	1.000	55.320	0.830	0.830	0.000	38.110	-
Total Quantity						38.109948 Cft (Cubic Foot)	1.0791517755264 Cum (Cubic Meter)	
Amount							1.0791517755264 X 7190.7948142196	7759.96
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	Wall beam	1.000	55.320	0.830	0.830	0.000	38.110	-
ii	Cantiliver Beam	1.000	3.500	0.830	0.830	0.000	2.411	-
iii	Column up to Plinth	4.000	0.830	0.830	2.160	0.000	5.952	-
iv	Column	4.000	0.830	0.830	9.000	0.000	24.800	-
Total Quantity						71.273594 Cft (Cubic Foot)	2.0182401065792 Cum (Cubic Meter)	
Amount							2.0182401065792 X 14489.726076398	29243.75
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	Lintels	1.000	55.320	0.830	0.500	0.000	22.958	-
Total Quantity					22.9578 Cft (Cubic Foot)		0.65009143104 Cum (Cubic Meter)	
Amount					0.65009143104 X 13098.256917609		8515.06	

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	5.000	1.500	0.000	0.000	15.000	-
Total Quantity					15 Sft (Square Foot)		1.393545 Sqm (Square Meter)	
Amount					1.393545 X 1110.6776715743		1547.78	

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	16.660	17.660	0.330	0.000	97.091	-
Total Quantity					97.091148 Cft (Cubic Foot)		2.7493106196864 Cum (Cubic Meter)	
Amount					2.7493106196864 X 12735.857093468		35014.83	

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		0.000	0.000	0.000	0.000	7.500	7.500	-
Total Quantity					7.5 Qntl (Quintal)		7.5 Qntl (Quintal)	
Amount					7.5 X 9254.6668347		69410.00	

13. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Grading	1.000	16.660	17.660	0.000	0.000	294.216	-
Total Quantity					294.2156 Sft (Square Foot)		27.3335118868 Sqm (Square Meter)	
Amount					27.3335118868 X 274.5984803552		7505.74	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chajja	4.000	5.000	1.500	0.000	0.000	30.000	-
ii	Carnice	1.000	16.660	0.910	0.000	0.000	15.161	-
iii		2.000	17.660	0.910	0.000	0.000	32.141	-
iv	Slab Bottom	1.000	14.000	12.000	0.000	0.000	168.000	-
v	Ver	1.000	15.660	3.500	0.000	0.000	54.810	-
Total Quantity					300.1118 Sft (Square Foot)		27.8812865554 Sqm (Square Meter)	
Amount					27.8812865554 X 191.8449971776		5348.89	

15. 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 wall	2.000	14.000	0.000	10.330	0.000	289.240	-	
ii		2.000	12.000	0.000	10.330	0.000	247.920	-	
iii	Deduct D	1.000	3.500	0.000	6.830	0.500	-	11.953	
iv	Deduct W	2.000	4.000	0.000	4.000	0.500	-	16.000	
Total Quantity							509.2075 Sft (Square Foot)	47.3069043725 Sqm (Square Meter)	
Amount							47.3069043725 X 249.854799294	11819.86	

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

12mm thick cement plster (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	wall	2.000	15.660	0.000	10.330	0.000	323.536	-	
ii		2.000	13.660	0.000	10.330	0.000	282.216	-	
iii	Deduct D	1.000	3.500	0.000	6.830	0.500	-	11.953	
iv	Deduct W	2.000	4.000	0.000	4.000	0.500	-	16.000	
v	Up to plinth	2.000	16.160	0.000	2.000	0.000	64.640	-	
vi		2.000	14.160	0.000	2.000	0.000	56.640	-	
Total Quantity							699.0787 Sft (Square Foot)	64.9465084661 Sqm (Square Meter)	
Amount							64.9465084661 X 174.6436163564	11342.49	

17. 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	Slab Bottom	1.000	14.000	12.000	0.000	0.000	168.000	-
ii	Ver	1.000	15.660	2.500	0.000	0.000	39.150	-
iii	Dadoo	2.000	14.000	0.000	0.500	0.000	14.000	-
iv		2.000	12.000	0.000	0.500	0.000	12.000	-
v		1.000	15.660	0.000	0.500	0.000	7.830	-
vi	Deduct D	1.000	3.500	0.000	0.500	0.500	-	0.875
Total Quantity					240.105 Sft (Square Foot)		22.306474815 Sqm (Square Meter)	
Amount					22.306474815 X 1015.4703793922		22651.56	

18. 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	W	2.000	4.000	0.000	4.000	3.500	112.000	-
ii	D	1.000	3.500	0.000	6.830	2.500	59.763	-
Total Quantity					171.7625 Kg (Kilo Gram)		1.717625 Qntl (Quintal)	
Amount					1.717625 X 16558.132121087		28440.66	

19. 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	W	2.000	4.000	0.000	4.000	2.750	88.000	-
ii	D	1.000	3.500	0.000	6.830	2.250	53.786	-
Total Quantity					141.78625 Sft (Square Foot)		13.17236798375 Sqm (Square Meter)	

Amount							13.17236798375 X 230.36495425153	3034.45	
20. 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	6mm C.P. Area	1.000	0.000	0.000	0.000	300.112	300.112	-	
ii	16mm C.P. Area	1.000	0.000	0.000	0.000	509.208	509.207	-	
Total Quantity						809.3193 Sft (Square Foot)		75.1881909279 Sqm (Square Meter)	
Amount							75.1881909279 X 71.84257680551		5401.71
21. 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	6mm C.P. Area	1.000	0.000	0.000	0.000	300.112	300.112	-	
ii	16mm C.P. Area	1.000	0.000	0.000	0.000	509.208	509.207	-	
Total Quantity						809.3193 Sft (Square Foot)		75.1881909279 Sqm (Square Meter)	
Amount							75.1881909279 X 93.9672147125		7065.22
22. 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	12mm C.P. Area	1.000	0.000	0.000	0.000	699.079	699.079	-	

Total Quantity	699.0787 Sft (Square Foot)	64.9465084661 Sqm (Square Meter)
Amount	64.9465084661 X 160.74115594024	10439.58

Total Amount (A) : 392462.89

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.3537.1	-	3537.1
2	Provision for Contingency @ Rs.4000	-	4000
Additional Components Amount (F) : 7537.1			

Grand Total Amount (A + F) : 399999.99469353

Ratikanta Lenka
JE
Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
Kendujhar Sadar Block