

Detailed Estimate

OD/361/3452/119471/386007/00066936 : Const of Boundary wall Jadipada PHC

Block : Kendujhar Sadar, Gram Panchayat : Sankiri

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	16.000	3.000	3.000	3.000	0.000	432.000	-
ii	wall	1.000	83.000	1.660	1.330	0.000	183.247	-
iii		1.000	98.000	1.660	1.330	0.000	216.364	-
iv	deduct	16.000	1.500	1.660	1.330	0.000	-	52.987
Total Quantity					778.6246 Cft (Cubic Foot)		22.04815707328 Cum (Cubic Meter)	
Amount					22.04815707328 X 240.77592		5308.67	
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	16.000	3.000	3.000	0.330	0.000	47.520	-
ii	wall	1.000	83.000	1.660	0.330	0.000	45.467	-
iii		1.000	98.000	1.660	0.330	0.000	53.684	-
iv	column back filling	0.000	0.000	0.000	0.000	144.000	144.000	-
v	deduct	16.000	0.830	0.830	0.330	0.000	-	3.637

Total Quantity	287.034408 Cft (Cubic Foot)	8.1278959244544 Cum (Cubic Meter)
Amount	8.1278959244544 X 1053.089832	8559.40

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	16.000	3.000	3.000	0.330	0.000	47.520	-
ii	wall	1.000	83.000	1.660	0.330	0.000	45.467	-
iii		1.000	98.000	1.660	0.330	0.000	53.684	-
iv	deduct	16.000	0.830	0.830	0.330	0.000	-	3.637
Total Quantity					143.034408 Cft (Cubic Foot)		4.0502767244544 Cum (Cubic Meter)	
Amount					4.0502767244544 X 6075.04023724		24605.59	

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	83.000	1.330	0.750	0.000	82.793	-
ii		1.000	98.000	1.330	0.750	0.000	97.755	-
iii		2.000	83.000	0.250	0.830	0.000	34.445	-
iv		2.000	98.000	0.250	0.830	0.000	40.670	-
v	deduct	16.000	0.830	0.830	1.000	0.000	-	11.022

Total Quantity	244.6401 Cft (Cubic Foot)	6.92742478368 Cum (Cubic Meter)
Amount	6.92742478368 X 5238.041237632	36286.14

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	1.000	83.000	0.830	5.000	0.000	344.450	-
ii		1.000	98.000	0.830	5.500	0.000	447.370	-
iii		1.000	83.000	0.420	0.420	0.000	14.641	-
iv		1.000	98.000	0.420	0.420	0.000	17.287	-
v	deduct	8.000	0.830	0.830	5.000	0.000	-	27.556
vi		8.000	0.830	0.830	5.500	0.000	-	30.312

Total Quantity	765.8808 Cft (Cubic Foot)	21.68729343744 Cum (Cubic Meter)
Amount	21.68729343744 X 5271.371237632	114321.77

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 base	16.000	3.000	3.000	0.660	0.000	95.040	-
ii		16.000	1.500	1.500	0.500	0.000	18.000	-

Total Quantity	113.04 Cft (Cubic Foot)	3.200931072 Cum (Cubic Meter)
Amount	3.200931072 X 6595.4228539013	21111.49

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	plinth	1.000	83.000	0.830	0.830	0.000	57.179	-
ii		1.000	98.000	0.830	0.830	0.000	67.512	-
Total Quantity					124.6909 Cft (Cubic Foot)		3.53084727712 Cum (Cubic Meter)	
Amount					3.53084727712 X 7352.244979043		25959.65	

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	16.000	0.830	0.830	1.500	0.000	16.534	-
ii		8.000	0.830	0.830	5.000	0.000	27.556	-
iii		8.000	0.830	0.830	5.500	0.000	30.312	-
Total Quantity					74.4012 Cft (Cubic Foot)		2.10680390016 Cum (Cubic Meter)	
Amount					2.10680390016 X 14651.176241221		30867.16	

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		0.000	0.000	0.000	0.000	5.000	5.000	-
Total Quantity					5 Qntl (Quintal)		5 Qntl (Quintal)	
Amount					5 X 9260.9715072		46304.86	

10. 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	wall	1.000	83.000	0.000	6.000	0.000	498.000	-
ii		1.000	98.000	0.000	6.500	0.000	637.000	-
Total Quantity					1135 Sft (Square Foot)		105.444905 Sqm (Square Meter)	
Amount					105.444905 X 251.842278708		26555.49	

11. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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	wall	1.000	83.000	0.000	6.000	0.000	498.000	-
ii		1.000	98.000	0.000	6.500	0.000	637.000	-
Total Quantity					1135 Sft (Square Foot)		105.444905 Sqm (Square Meter)	

Amount		105.444905 X 176.2991183048					18589.84	
12. 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	wall	2.000	83.000	0.000	6.000	0.000	996.000	-
ii		2.000	98.000	0.000	6.500	0.000	1274.000	-
Total Quantity					2270 Sft (Square Foot)		210.88981 Sqm (Square Meter)	
Amount		210.88981 X 160.75408487694					33901.40	
Total Amount							392371.46	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4000.00	
Display Citizen Board (+) @							3628.53	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							7628.53	
Grand Net Total Amount							399999.99	

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