

Detailed Estimate

OD/361/3452/119463/386050/00066228 : CONSTRUCTION OF PROTECTION WALL AT MAA TANGARANI PITHA AT MATHURAMANDALI IN NELUNG GP

Block : Kendujhar Sadar, Gram Panchayat : Nelung

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									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column	19.000	3.500	3.500	3.500	0.000	814.625	-	
ii	Wall	1.000	183.830	2.000	1.500	0.000	551.490	-	
iii	Column	19.000	3.500	2.000	1.500	0.000	-	199.500	
iv	Drain	1.000	20.000	5.160	1.000	0.000	103.200	-	
Total Quantity							1269.815 Cft (Cubic Foot)	35.957097392 Cum (Cubic Meter)	
Amount							35.957097392 X 240.77592	8657.60	
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.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column	19.000	3.500	3.500	0.330	0.000	76.808	-	
ii	Wall	1.000	183.830	2.000	0.330	0.000	121.328	-	
iii	Column	19.000	3.500	2.000	0.330	0.000	-	43.890	
iv	Drain	1.000	20.000	5.160	0.330	0.000	34.056	-	
Total Quantity							188.3013 Cft (Cubic Foot)	5.33209025184 Cum (Cubic Meter)	

Amount				5.33209025184 X 745.201432			3973.48	
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	19.000	3.500	3.500	0.330	0.000	76.808	-
ii	Wall	1.000	183.830	2.000	0.330	0.000	121.328	-
iii	Column	19.000	0.830	0.830	0.330	0.000	-	4.319
iv	Drain	1.000	20.000	5.160	0.330	0.000	34.056	-
Total Quantity					227.871897 Cft (Cubic Foot)		6.4526029329696 Cum (Cubic Meter)	
Amount				6.4526029329696 X 5742.76304404			37055.77	
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/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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	183.830	1.250	2.000	0.000	459.575	-
ii	Column	19.000	0.830	0.830	1.500	0.000	-	19.634
iii	Drain wall	1.000	19.000	0.830	1.830	0.000	28.859	-
iv		1.000	20.000	0.830	1.830	0.000	30.378	-
Total Quantity					499.17845 Cft (Cubic Foot)		14.13513633296 Cum (Cubic Meter)	
Amount				14.13513633296 X 5017.221608672			70919.11	

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	19.000	3.000	3.000	0.830	0.000	141.930	-
ii	Wall	19.000	1.500	1.500	0.500	0.000	21.375	-
Total Quantity					163.305 Cft (Cubic Foot)		4.624275024 Cum (Cubic Meter)	
Amount					4.624275024 X 6264.7982990573		28970.15	

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	Wall	1.000	183.830	0.830	0.830	0.000	126.640	-
Total Quantity					126.640487 Cft (Cubic Foot)		3.5860533422816 Cum (Cubic Meter)	
Amount					3.5860533422816 X 7021.620424199		25179.91	

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	19.000	0.830	0.830	1.660	0.000	21.728	-

ii		19.000	0.830	0.830	3.830	0.000	50.131	-
Total Quantity					71.859159 Cft (Cubic Foot)		2.0348214335712 Cum (Cubic Meter)	
Amount					2.0348214335712 X 14320.551686377		29139.77	
8. 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	1.000	183.830	0.830	3.830	0.000	584.377	-
ii	Column	19.000	0.830	0.830	3.830	0.000	-	50.131
iii	Wall	1.000	183.830	0.410	0.250	0.000	18.843	-
Total Quantity					553.088509 Cft (Cubic Foot)		15.661696691651 Cum (Cubic Meter)	
Amount					15.661696691651 X 5050.551608672		79100.21	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	0.000	0.000	0.000	0.000	7.000	7.000	-
Total Quantity					7 Qntl (Quintal)		7 Qntl (Quintal)	
Amount					7 X 9245.8402932		64720.88	
10. 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	183.830	0.000	5.330	0.000	979.814	-
ii	Drain	2.000	20.000	0.000	2.660	0.000	106.400	-
Total Quantity					1086.2139 Sft (Square Foot)		100.9125299517 Sqm (Square Meter)	
Amount					100.9125299517 X 171.1648899608		17272.68	

11. 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	Wall	1.000	183.830	0.000	5.330	0.000	979.814	-
ii		1.000	183.830	0.000	1.250	0.000	229.788	-
Total Quantity					1209.6014 Sft (Square Foot)		112.3755988642 Sqm (Square Meter)	
Amount					112.3755988642 X 245.680628268		27608.51	

12. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	Wall	2.000	183.830	0.000	5.330	0.000	1959.630	-
ii		1.000	183.830	0.000	1.250	0.000	229.788	-
iii	Old B/w	2.000	105.000	0.000	5.000	0.000	1050.000	-

iv		1.000	105.000	0.000	1.250	0.000	131.250	-
Total Quantity					3370.6653 Sft (Square Foot)		313.1449183659 Sqm (Square Meter)	
Amount					313.1449183659 X 72.852861003871		22813.50	
13. 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	183.830	0.000	5.330	0.000	1959.630	-
ii		1.000	183.830	0.000	1.250	0.000	229.788	-
iii	Old B/w	2.000	105.000	0.000	5.000	0.000	1050.000	-
iv		1.000	105.000	0.000	1.250	0.000	131.250	-
Total Quantity					3370.6653 Sft (Square Foot)		313.1449183659 Sqm (Square Meter)	
Amount					313.1449183659 X 160.72305542887		50329.61	
14. 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	Mandap	1.000	16.750	16.500	0.000	0.000	276.375	-
Total Quantity					276.375 Sft (Square Foot)		25.676066625 Sqm (Square Meter)	
Amount					25.676066625 X 1008.6529500114		25898.24	
Total Amount							491639.42	

Addition	
Provision for survey investigation and quality control (+) @	
Display Citizen Board (+) @	3360.58
Provision for Contingency (+) @	5000.00
Provision for EI Work (+) @	
Provision for PH Work (+) @	
Any Other Lumpsum (+) @	
Total Addition	8360.58
Grand Net Total Amount	500000.00

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Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
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