

Detailed Estimate

OD/361/3452/119459/386031/00070082 : CONST. OF BOUNDARY WALL AT GP OFFICE MAHADEIJODA

Block : Kendujhar Sadar, Gram Panchayat : Mahadeijoda

Created By:Kandarpa Palei

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	11.000	3.000	3.000	3.000	0.000	297.000	-
ii	Wall foundation	1.000	134.330	2.000	1.000	0.000	268.660	-
iii	Column	11.000	3.000	2.000	1.000	0.000	-	66.000
Total Quantity					499.66 Cft (Cubic Foot)		14.148772288 Cum (Cubic Meter)	
Amount					14.148772288 X 240.77592		3406.68	
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	11.000	3.000	3.000	0.330	0.000	32.670	-
ii	Wall foundation	1.000	134.330	2.000	0.330	0.000	88.658	-
iii	Column	11.000	0.830	0.830	0.330	0.000	-	2.501
Total Quantity					118.827093 Cft (Cubic Foot)		3.3648030270624 Cum (Cubic Meter)	
Amount					3.3648030270624 X 1053.089832		3543.44	

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	11.000	3.000	3.000	0.330	0.000	32.670	-
ii	Wall foundation	1.000	134.330	2.000	0.330	0.000	88.658	-
iii	Column	11.000	0.830	0.830	0.330	0.000	-	2.501
Total Quantity					118.827093 Cft (Cubic Foot)		3.3648030270624 Cum (Cubic Meter)	
Amount					3.3648030270624 X 6088.79042774		20487.58	

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 foundation	1.000	134.330	1.250	0.580	0.000	97.389	-
ii	Side of P.Beam	2.000	134.330	0.250	0.830	0.000	55.747	-
iii	Column	11.000	0.830	0.830	0.580	0.000	-	4.395
Total Quantity					148.741018 Cft (Cubic Foot)		4.2118696585024 Cum (Cubic Meter)	
Amount					4.2118696585024 X 5242.076228032		22078.94	

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	Compound Wall	1.000	134.330	0.830	5.000	0.000	557.469	-
ii	Copping	1.000	134.330	0.420	0.330	0.000	18.618	-
iii	Column	11.000	0.830	0.830	5.000	0.000	-	37.890
Total Quantity					538.198138 Cft (Cubic Foot)		15.240049034118 Cum (Cubic Meter)	
Amount					15.240049034118 X 5275.406228032		80397.45	

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 foundation	11.000	3.000	3.000	0.660	0.000	65.340	-
ii		11.000	1.500	1.500	0.500	0.000	12.375	-
Total Quantity					77.715 Cft (Cubic Foot)		2.200640112 Cum (Cubic Meter)	
Amount					2.200640112 X 6616.2781100863		14560.05	

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 beam	1.000	134.330	0.830	0.830	0.000	92.540	-
Total Quantity					92.539937 Cft (Cubic Foot)		2.6204348880416 Cum (Cubic Meter)	
Amount					2.6204348880416 X 7373.100235228		19320.73	

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 below P.Beam	11.000	0.830	0.830	1.420	0.000	10.761	-
ii	Column above P.Beam	11.000	0.830	0.830	5.000	0.000	37.890	-
Total Quantity					48.650118 Cft (Cubic Foot)		1.3776156613824 Cum (Cubic Meter)	
Amount					1.3776156613824 X 14672.031497406		20212.42	

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	Column footing foundation	1.000	2.200	0.000	0.000	0.700	1.540	-
ii	plinth beam	1.000	2.620	0.000	0.000	0.900	2.358	-
iii	Column	1.000	1.380	0.000	0.000	0.900	1.242	-

Total Quantity	5.14 Qntl (Quintal)	5.14 Qntl (Quintal)
Amount	5.14 X 9267.2761797	47633.80

10. 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	Compound wall	1.000	134.330	0.000	6.000	0.000	805.980	-
ii	Copping	1.000	134.330	0.830	0.000	0.000	111.494	-
Total Quantity					917.4739 Sft (Square Foot)		85.2360777317 Sqm (Square Meter)	
Amount					85.2360777317 X 252.100470058		21488.06	

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

12mm thick cement plster (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	Compound wall	1.000	133.500	0.000	6.000	0.000	801.000	-
Total Quantity					801 Sft (Square Foot)		74.415303 Sqm (Square Meter)	
Amount					74.415303 X 176.5140776148		13135.35	

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	Compound wall	1.000	133.500	0.000	6.000	0.000	801.000	-

ii		1.000	134.330	0.000	6.000	0.000	805.980	-
iii	Coping	1.000	134.330	0.830	0.000	0.000	111.494	-
Total Quantity					1718.4739 Sft (Square Foot)		159.6513807317 Sqm (Square Meter)	
Amount					159.6513807317 X 160.76701381363		25666.68	
Total Amount							291931.17	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3000.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							68.80	
Provision for survey investigation and quality control (+) @								
Total Addition							8068.80	
Grand Net Total Amount							299999.97	

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