

Detailed Estimate

OD/361/3452/119470/386059/00068091 : CONST. OF BOUNDARI WALL AT RAISUAN GOVT PRAIMARY SCHOOL
Block : Kendujhar Sadar, Gram Panchayat : Raisuan
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	22.000	2.000	2.000	3.000	0.000	264.000	-
ii	Wall	1.000	250.000	1.500	1.000	0.000	375.000	-
iii	Deduct	22.000	3.000	1.500	0.500	0.000	-	49.500
Total Quantity					589.5 Cft (Cubic Foot)		16.6927536 Cum (Cubic Meter)	
Amount					16.6927536 X 240.77592		4019.21	
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	22.000	2.000	2.000	0.330	0.000	29.040	-
ii	Wall	1.000	250.000	1.500	0.330	0.000	123.750	-
iii	Deduct	22.000	3.000	1.500	0.500	0.000	-	49.500
Total Quantity					103.29 Cft (Cubic Foot)		2.924842272 Cum (Cubic Meter)	
Amount					2.924842272 X 903.003832		2641.14	
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 base	22.000	2.000	2.000	0.330	0.000	29.040	-
ii	wall	1.000	250.000	1.500	0.330	0.000	123.750	-
iii	Deduct	22.000	0.830	0.830	0.160	0.000	-	2.425
Total Quantity					150.365072 Cft (Cubic Foot)		4.2578576708096 Cum (Cubic Meter)	
Amount					4.2578576708096 X 5982.62269204		25473.16	

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	1st footing	1.000	250.000	1.250	2.000	0.000	625.000	-
ii	2nd footing	1.000	250.000	1.000	0.830	0.000	207.500	-
iii	Deduct Column	22.000	0.830	0.830	2.830	0.000	-	42.891
Total Quantity					789.609086 Cft (Cubic Foot)		22.359202566445 Cum (Cubic Meter)	
Amount					22.359202566445 X 5061.406280672		113169.01	

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	Base	22.000	2.000	2.000	0.830	0.000	73.040	-
ii	2nd footing	22.000	1.000	1.000	1.500	0.000	33.000	-
Total Quantity					106.04 Cft (Cubic Foot)		3.002713472 Cum (Cubic Meter)	
Amount					3.002713472 X 6489.6667190573		19486.61	

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	plinth bend	1.000	250.000	0.830	0.830	0.000	172.225	-
Total Quantity					172.225 Cft (Cubic Foot)		4.87686088 Cum (Cubic Meter)	
Amount					4.87686088 X 7246.488844199		35340.12	

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 upto top	22.000	0.830	0.830	4.500	0.000	68.201	-
Total Quantity					68.2011 Cft (Cubic Foot)		1.93123690848 Cum (Cubic Meter)	
Amount					1.93123690848 X 14545.420106377		28090.65	

8. 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	6.520	6.520	-
Total Quantity					6.52 Qntl (Quintal)		6.52 Qntl (Quintal)	
Amount					6.52 X 9245.8402932		60282.88	

9. 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	250.000	0.830	4.500	0.000	933.750	-
Total Quantity					933.75 Cft (Cubic Foot)		26.440812 Cum (Cubic Meter)	
Amount					26.440812 X 5094.736280672		134708.96	

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	250.000	0.000	4.500	0.000	1125.000	-
Total Quantity					1125 Sft (Square Foot)		104.515875 Sqm (Square Meter)	
Amount					104.515875 X 173.5319259608		18136.84	

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	250.000	0.000	4.500	0.000	1125.000	-
Total Quantity					1125 Sft (Square Foot)		104.515875 Sqm (Square Meter)	
Amount					104.515875 X 248.521071468		25974.40	

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	180.000	0.000	4.500	0.000	1620.000	-
Total Quantity					1620 Sft (Square Foot)		150.50286 Sqm (Square Meter)	
Amount					150.50286 X 160.72305542887		24189.28	
Total Amount							491512.26	

Addition

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							5000.00	
Display Citizen Board (+) @							3487.73	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								

Total Addition	8487.73
Grand Net Total Amount	499999.99

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**Sabyasachi Pradhan
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