

Detailed Estimate

OD/365/3511/120406/387392/00079098 : CONSTRUCTION OF JAHIRA BOUNDARY WALL WITH GATE AT BANKATI
Block : Tiring, Gram Panchayat : Sanbhundu
Created By: DAKHIN SOREN

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	wall	1.000	176.000	2.000	2.500	0.000	880.000	-
ii	column	13.000	4.000	4.000	4.000	0.000	832.000	-
iii	gate column	2.000	4.000	4.000	5.000	0.000	160.000	-
iv		12.000	4.000	2.000	2.000	0.000	-	192.000
Total Quantity					1680 Cft (Cubic Foot)		47.572224 Cum (Cubic Meter)	
Amount					47.572224 X 240.77592		11454.25	
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		1.000	176.000	2.000	0.330	0.000	116.160	-
ii		13.000	4.000	4.000	0.330	0.000	68.640	-
iii		2.000	4.000	4.000	0.330	0.000	10.560	-
iv		13.000	4.000	2.000	0.330	0.000	-	34.320
Total Quantity					161.04 Cft (Cubic Foot)		4.560137472 Cum (Cubic Meter)	

Amount	4.560137472 X 721.133132	3288.47
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3. 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		2.000	5.000	0.000	12.000	0.000	120.000	-
ii		2.000	13.000	0.000	1.000	0.000	26.000	-
iii		1.000	13.000	0.000	1.250	0.000	16.250	-
Total Quantity					162.25 Sft (Square Foot)		15.07351175 Sqm (Square Meter)	
Amount					15.07351175 X 192.373822714		2899.75	

4. 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		1.000	176.000	0.000	5.000	0.000	880.000	-
ii		1.000	13.000	0.000	1.000	0.000	13.000	-
Total Quantity					893 Sft (Square Foot)		82.962379 Sqm (Square Meter)	
Amount					82.962379 X 172.992668296		14351.88	

5. 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
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i		1.000	176.000	0.000	5.000	0.000	880.000	-	
ii		1.000	176.000	0.000	1.000	0.000	176.000	-	
iii		2.000	13.000	0.000	1.000	0.000	26.000	-	
Total Quantity					1082 Sft (Square Foot)		100.521046 Sqm (Square Meter)		
Amount					100.521046 X 248.13465981		24942.76		

6. 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		1.000	7.500	0.000	0.000	0.000	7.500	-	
Total Quantity					7.5 Qntl (Quintal)		7.5 Qntl (Quintal)		
Amount					7.5 X 8428.8790379		63216.59		

7. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal

Cement concrete (1:4:8) 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		1.000	176.000	2.000	0.330	0.000	116.160	-	
ii		13.000	4.000	4.000	0.330	0.000	68.640	-	
iii		2.000	4.000	4.000	0.330	0.000	10.560	-	
iv		13.000	4.000	2.000	0.330	0.000	-	34.320	
Total Quantity					161.04 Cft (Cubic Foot)		4.560137472 Cum (Cubic Meter)		
Amount					4.560137472 X 5383.8424104		24551.06		

8. 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		13.000	4.000	4.000	0.750	0.000	156.000	-
ii		13.000	1.920	1.920	1.500	0.000	71.885	-
iii		13.000	0.830	0.830	1.000	0.000	8.956	-
iv		2.000	3.500	3.500	1.250	0.000	30.625	-
v		2.000	3.000	3.000	1.250	0.000	22.500	-
vi		2.000	2.000	2.000	1.000	0.000	8.000	-
Total Quantity					297.9655 Cft (Cubic Foot)		8.4374294704 Cum (Cubic Meter)	
Amount					8.4374294704 X 6434.0781604893		54287.08	

9. 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		1.000	176.000	0.830	0.830	0.000	121.246	-
ii		1.000	10.000	1.250	1.000	0.000	12.500	-
Total Quantity					133.7464 Cft (Cubic Foot)		3.78727005952 Cum (Cubic Meter)	
Amount					3.78727005952 X 7192.5566491902		27240.15	

10. 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		2.000	1.250	1.250	12.000	0.000	37.500	-
ii		1.000	10.000	1.250	1.000	0.000	12.500	-
Total Quantity					50 Cft (Cubic Foot)		1.41584 Cum (Cubic Meter)	
Amount					1.41584 X 14501.639947215		20532.00	

11. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	176.000	1.500	1.500	0.000	396.000	-
ii		1.000	176.000	1.250	0.830	0.000	182.600	-
iii		15.000	1.920	1.920	2.750	0.000	-	152.064
Total Quantity					426.536 Cft (Cubic Foot)		12.0781346048 Cum (Cubic Meter)	
Amount					12.0781346048 X 5178.16239864		62542.54	

12. 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		1.000	176.000	0.830	4.500	0.000	657.360	-
ii		1.000	13.000	1.830	1.000	0.000	23.790	-
Total Quantity						681.15 Cft (Cubic Foot)	19.28798832 Cum (Cubic Meter)	
Amount						19.28798832 X 5211.49239864	100519.20	
13. 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		1.000	3.500	0.000	0.000	0.000	3.500	-
Total Quantity						3.5 Qntl (Quintal)	3.5 Qntl (Quintal)	
Amount						3.5 X 15771.744505087	55201.11	
14. 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		1.000	2236.250	0.000	0.000	0.000	2236.250	-
Total Quantity						2236.25 Sft (Square Foot)	207.75433375 Sqm (Square Meter)	
Amount						207.75433375 X 94.805167525	19696.18	
Total Amount							484723.03	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	
Provision for Contingency (+) @	2776.97
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	7500.00
Provision for survey investigation and quality control (+) @	
Total Addition	15276.97
Grand Net Total Amount	500000.00

DAKHIN SOREN
JE
Tiring Block

MANGALJYOTI MOHAPATRA
AEE
Tiring Block

BHAGBAT PRASAD MOHAPATRA
BDO
Tiring Block