

Detailed Estimate

OD/373/3577/121584/384659/00072565 : Construction of Boundary wall at AWC Sargigarh of Kucheita GP
Block : Gurundia, Gram Panchayat : Kucheita
Created By:Krushna Chandra Oram

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	B/W	1.000	19.000	0.750	0.750	0.000	10.688	-
ii	COLUMNS	2.000	1.200	1.200	1.200	0.000	3.456	-
Total Quantity							14.1435 cum (cum)	14.1435 Cum (Cubic Meter)
Amount							14.1435 X 240.77592	3405.41
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	B/W	1.000	19.000	0.750	0.100	0.000	1.425	-
ii	COLUMNS	2.000	1.200	1.200	0.150	0.000	0.432	-
iii	PB	1.000	3.600	0.450	0.150	0.000	0.243	-
Total Quantity							2.1 cum (cum)	2.1 Cum (Cubic Meter)
Amount							2.1 X 851.130232	1787.37
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	B/W	1.000	19.000	0.750	0.100	0.000	1.425	-

ii	COLUMNS	2.000	1.200	1.200	0.150	0.000	0.432	-
iii	PB	1.000	3.600	0.450	0.150	0.000	0.243	-
Total Quantity					2.1 cum (cum)		2.1 Cum (Cubic Meter)	
Amount					2.1 X 5946.85510552		12488.40	

4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm 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	1ST FOOTING	1.000	19.000	0.500	0.300	0.000	2.850	-
ii	2ND FOOTINGS	1.000	19.000	0.380	0.300	0.000	2.166	-
Total Quantity					5.016 cum (cum)		5.016 Cum (Cubic Meter)	
Amount					5.016 X 5184.792007936		26006.92	

5. Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips

2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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	B/W	1.000	19.000	0.380	0.000	0.000	7.220	-
Total Quantity					7.22 Sqm (Sqm)		7.22 Sqm (Square Meter)	
Amount					7.22 X 351.7927540952		2539.94	

6. 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	16.590	0.230	1.200	0.000	4.579	-
ii	PILLAR	6.000	0.380	0.380	1.200	0.000	1.040	-
iii	coping	1.000	19.000	0.380	0.100	0.000	0.722	-
iv	coping	1.000	19.000	0.115	0.100	0.000	0.219	-
Total Quantity					6.55902 cum (cum)		6.55902 Cum (Cubic Meter)	
Amount					6.55902 X 5239.838522936		34368.21	

7. 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	16.590	0.000	1.200	0.000	19.908	-
ii	PILLAR	6.000	0.530	0.000	1.200	0.000	3.816	-
iii	coping	1.000	19.000	0.000	0.350	0.000	6.650	-
Total Quantity					30.374 Sqm (Sqm)		30.374 Sqm (Square Meter)	
Amount					30.374 X 246.476540184		7486.48	

8. 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	16.590	0.000	1.200	0.000	19.908	-
ii	PILLAR	6.000	0.530	0.000	1.200	0.000	3.816	-
iii	coping	1.000	19.000	0.000	0.350	0.000	6.650	-
Total Quantity					30.374 Sqm (Sqm)		30.374 Sqm (Square Meter)	

Amount							30.374 X 171.8289396704	5219.13	
9. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer									
Finishing wall surface two coats with weather coat with one coat oilbound 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	16.590	0.000	1.200	0.000	39.816	-	
ii	PILLAR	12.000	0.530	0.000	1.200	0.000	7.632	-	
iii	coping	2.000	19.000	0.000	0.350	0.000	13.300	-	
Total Quantity							60.748 Sqm (Sqm)	60.748 Sqm (Square Meter)	
Amount							60.748 X 156.90369241901	9531.59	
10. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	RCC PAD	2.000	1.200	1.200	0.300	0.000	0.864	-	
ii	TRENCH	2.000	0.075	2.340	0.100	0.000	0.035	-	
iii	PB	1.000	3.600	0.380	0.300	0.000	0.410	-	
iv	COLUMN	2.000	0.400	0.400	3.000	0.000	0.960	-	
v	TOB BEAM	1.000	3.600	0.230	0.300	0.000	0.248	-	
vi	column upto plinth	2.000	0.400	0.400	0.700	0.000	0.224	-	
Total Quantity							2.7419 cum (cum)	2.7419 Cum (Cubic Meter)	
Amount							2.7419 X 12741.959062907	34937.18	
11. 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	ROD	1.000	2.670	0.000	0.000	0.000	2.670	-
Total Quantity					2.67 Qntl (Quintal)		2.67 Qntl (Quintal)	
Amount					2.67 X 8689.4468472		23200.82	

12. 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	MS GATE	1.000	3.000	42.000	2.400	0.000	302.400	-
Total Quantity					302.4 Kg (Kilo Gram)		3.024 Qntl (Quintal)	
Amount					3.024 X 16019.827371087		48443.96	

Total Amount (A) : 209415.40

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.1915	-	1915
2	Display Citizen Board @ Rs.3000	-	3000

Additional Components Amount (F) : 4915

Grand Total Amount (A + F) : 214330.40425734

JE
Gurundia Block

Pradipta Kumar Mohanty
AEE
Gurundia Block

BDO Gurundia
BDO
Gurundia Block