

Detailed Estimate

OD/368/3535/120856/422190/00107211 : Construction of Multipurpose cultural shed at Belarani Play ground near Panchayat Office Chatiaguda

Block : Sinapali, Gram Panchayat : Chatiaguda

Created By:AKSHYA KUMAR MOHAPATRA

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	8.000	1.200	1.200	1.500	0.000	17.280	-	
ii	I/W	2.000	12.830	0.600	0.600	0.000	9.238	-	
iii	S/W	2.000	7.130	0.600	0.600	0.000	5.134	-	
iv	COLUMN	8.000	1.200	0.600	0.600	0.000	-	3.456	
Total Quantity							28.1952 cum (cum)	28.1952 Cum (Cubic Meter)	
Amount							28.1952 X 240.77592	6788.73	
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	8.000	1.200	1.200	0.150	0.000	1.728	-	
ii	I/w	2.000	12.830	0.600	0.150	0.000	2.309	-	
iii	s/w	2.000	7.130	0.600	0.150	0.000	1.283	-	
iv	column	8.000	1.200	0.600	0.150	0.000	-	0.864	
v	hall	1.000	11.800	7.300	0.600	0.000	51.684	-	
Total Quantity							56.1408 cum (cum)	56.1408 Cum (Cubic Meter)	
Amount							56.1408 X 459.856232	25816.70	

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	8.000	1.200	1.200	0.150	0.000	1.728	-	
ii	l/w	2.000	12.930	0.600	0.150	0.000	2.327	-	
iii	s/w	2.000	8.780	0.600	0.150	0.000	1.580	-	
iv	hall	1.000	12.000	7.500	0.075	0.000	6.750	-	
v	column	8.000	1.200	0.600	0.150	0.000	-	0.864	
Total Quantity							11.5218 cum (cum)	11.5218 Cum (Cubic Meter)	
Amount							11.5218 X 5097.82244354	58736.09	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	1st footing l/w	2.000	12.780	0.450	0.300	0.000	3.451	-	
ii	s/w	2.000	8.930	0.450	0.300	0.000	2.411	-	
iii	2nd footing l/w	2.000	12.550	0.225	0.900	0.000	5.083	-	
iv	s/w	2.000	9.150	0.225	0.900	0.000	3.706	-	
v	column	8.000	0.450	0.450	0.900	0.000	-	1.458	
Total Quantity							13.1922 cum (cum)	13.1922 Cum (Cubic Meter)	
Amount							13.1922 X 4912.220958272	64803.00	

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	8.000	1.200	1.200	0.300	0.000	3.456	-
ii	column	8.000	0.450	0.450	0.450	0.000	0.729	-
iii	column	8.000	0.375	0.225	0.900	0.000	0.608	-
Total Quantity					4.7925 cum (cum)		4.7925 Cum (Cubic Meter)	
Amount					4.7925 X 5614.6266979723		26908.10	

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	l/w	2.000	12.450	0.225	0.250	0.000	1.401	-
ii	s/w	2.000	7.500	0.225	0.250	0.000	0.844	-
Total Quantity					2.244375 cum (cum)		2.244375 Cum (Cubic Meter)	
Amount					2.244375 X 6371.448823114		14299.92	

7. 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	steel	7.100	0.000	0.000	0.000	0.000	7.100	-
Total Quantity					7.1 Qntl (Quintal)		7.1 Qntl (Quintal)	
Amount					7.1 X 8024.542617		56974.25	

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	l/w	2.000	12.750	0.000	0.900	0.000	22.950	-
ii	s/w	2.000	7.950	0.000	0.900	0.000	14.310	-
Total Quantity							37.26 Sqm (Sqm)	37.26 Sqm (Square Meter)
Amount							37.26 X 164.8828202508	6143.53

9. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	1.000	12.450	7.500	0.000	0.000	93.375	-
Total Quantity							93.375 Sqm (Sqm)	93.375 Sqm (Square Meter)
Amount							93.375 X 354.0999572508	33064.08

10. Painting (AR0917) : Finishing wall with one coat water proofing cement paint of approved shade in the inner surface of old work to give an even shade (Inside).

Finishing wall with one coat water proofing cement paint of approved shade in the inner surface of old work to give an even shade including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge. (Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	20.200	0.000	0.900	0.000	18.180	-
Total Quantity							18.18 Sqm (Sqm)	18.18 Sqm (Square Meter)
Amount							18.18 X 27.5981756842	501.73

Total Amount (A) : 294036.14

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 1%	-	2940.3613763263
2	Display Citizen Board @ Rs.3000	-	3000
Additional Components Amount (F) : 5940.3613763263			
Grand Total Amount (A + F) : 299976.49900896			

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