

Detailed Estimate

OD/361/3455/119526/386345/00080262 : Construction of Children Park at Hanuman Batika

Block : Telkoi, Gram Panchayat : Oriyabirida

Created By: Saraswati Majhi

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	56.000	0.900	0.900	0.900	0.000	40.824	-
Total Quantity					40.824 cum (cum)		40.824 Cum (Cubic Meter)	
Amount					40.824 X 240.77592		9829.44	
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	56.000	0.900	0.900	0.150	0.000	6.804	-
Total Quantity					6.804 cum (cum)		6.804 Cum (Cubic Meter)	
Amount					6.804 X 1064.199832		7240.82	
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	column	56.000	0.900	0.900	0.150	0.000	6.804	-
Total Quantity					6.804 cum (cum)		6.804 Cum (Cubic Meter)	
Amount					6.804 X 6225.95893982		42361.42	

4. R.C.C. Work (AR0404Ba) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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)(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	56.000	0.900	0.900	0.250	0.000	11.340	-
ii	column	56.000	0.250	0.250	0.350	0.000	1.225	-
Total Quantity					12.565 cum (cum)		12.565 Cum (Cubic Meter)	
Amount					12.565 X 6691.8958467079		84083.67	

5. 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	1.000	200.000	0.250	0.250	0.000	12.500	-
Total Quantity					12.5 cum (cum)		12.5 Cum (Cubic Meter)	
Amount					12.5 X 7448.7179718496		93108.97	

6. 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	56.000	0.250	0.250	1.200	0.000	4.200	-
Total Quantity					4.2 cum (cum)		4.2 Cum (Cubic Meter)	
Amount					4.2 X 14747.649234028		61940.13	

7. 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	b.wall	1.000	200.000	0.250	0.500	0.000	25.000	-
ii	gate	1.000	3.600	0.250	0.500	0.000	-	0.450
iii	column	56.000	0.250	0.250	0.500	0.000	-	1.750
Total Quantity					22.8 cum (cum)		22.8 Cum (Cubic Meter)	
Amount					22.8 X 5199.624306376		118551.43	

8. Plastering (AR1004ik) : 12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance).

12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	b.wall	4.000	200.000	0.500	0.000	0.000	400.000	-
ii	gate	1.000	3.600	0.500	0.000	0.000	-	1.800
Total Quantity					398.2 Sqm (Sqm)		398.2 Sqm (Square Meter)	
Amount					398.2 X 177.9600907364		70863.71	

9. 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	b.wall	4.000	199.000	0.500	0.000	0.000	398.000	-
ii	gate	1.000	3.600	0.500	0.000	0.000	1.800	-
Total Quantity					399.8 Sqm (Sqm)		399.8 Sqm (Square Meter)	

Amount	399.8 X 250.583019394	100183.09
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10. 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	grill	52.000	3.600	0.450	1.500	0.000	126.360	-
Total Quantity							126.36 Kg (Kilo Gram)	1.2636 Qntl (Quintal)
Amount							1.2636 X 16610.364271087	20988.86

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	M.S.Rod	1.000	36.060	0.800	0.000	0.000	28.848	-
Total Quantity							28.848 Qntl (Quintal)	28.848 Qntl (Quintal)
Amount							28.848 X 9309.5105922	268560.76

Total Amount (A) : 877712.30

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 1%	-	8777.1230051353
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.108510.57	childrens play equipment	108510.57

Additional Components Amount (F) : 122287.69300514

Grand Total Amount (A + F) : 999999.99351866

Saraswati Majhi
JE
Telkoi Block

Parsuram Naik
AEE
Telkoi Block

Kendujhar Telkoi BDO
BDO
Telkoi Block