

## Detailed Estimate

**OD/364/3484/119994/430207/00104259 : Construction of CC road at Butiguda**

**Block : Malkangiri, Gram Panchayat : Birlaxmanpur**

**Created By:Er Ch Roshan Patro**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	Cutoff Wall	2.000	86.000	0.230	0.200	0.000	7.912	-
ii	Cross Cutoff Wall	2.000	3.290	0.230	0.200	0.000	0.303	-
<b>Total Quantity</b>						<b>8.21468 cum (cum)</b>	<b>8.21468 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>8.21468 X 240.77592</b>	<b>1977.90</b>	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	Cutoff bed	2.000	86.000	0.230	0.050	0.000	1.978	-
ii	Cross Cutoff Wall	2.000	3.290	0.230	0.050	0.000	0.076	-
iii	Bed filling	1.000	85.540	3.290	0.100	0.000	28.143	-
<b>Total Quantity</b>						<b>30.19633 cum (cum)</b>	<b>30.19633 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>30.19633 X 567.017232</b>	<b>17121.84</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	Cutoff Wall	2.000	86.000	0.230	0.350	0.000	13.846	-
ii	Cross Cutoff Wall	2.000	3.290	0.230	0.350	0.000	0.530	-
iii	C.C bed	1.000	85.540	3.290	0.100	0.000	28.143	-
Total Quantity					42.51835 cum (cum)		42.51835 Cum (Cubic Meter)	
Amount					42.51835 X 5596.7759735		237965.68	

**4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		4.000	86.000	0.000	0.200	0.000	68.800	-
ii		2.000	86.000	0.000	0.100	0.000	17.200	-
Total Quantity					86 Sqm (Sqm)		86 Sqm (Square Meter)	
Amount					86 X 216.23489289764		18596.20	

**5. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	C.C bed	1.000	86.000	3.750	0.100	0.000	32.250	-
Total Quantity					32.25 cum (cum)		32.25 Cum (Cubic Meter)	
Amount					32.25 X 7070.8949105		228036.36	

**6. Earth Work (AR0114c) : Filling of foundation with excavated earth**

Filling in foundation and plinth with excavated materials in all kinds of soil including watering and ramming as directed by the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i		2.000	86.000	0.600	0.300	0.000	30.960	-
Total Quantity					30.96 cum (cum)		30.96 Cum (Cubic Meter)	
Amount					30.96 X 147.30633456		4560.60	

**7. Dismantling (AR1623) : Dismantling and removing cement concrete**

Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	50.000	3.000	0.150	0.000	22.500	-
Total Quantity					22.5 cum (cum)		22.5 Cum (Cubic Meter)	
Amount					22.5 X 746.592		16798.32	

**Total Amount (A) : 525056.90**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 1%	-	5250.5690207133
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.1079	Hire charges of plate vibrator etc.	1079

**Additional Components Amount (F) : 11329.569020713**

**Grand Total Amount (A + F) : 536386.47109204**

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