

## Detailed Estimate

**OD/364/3484/119960/430275/00063766 : Construction of CC road at Dadiguda from Aita Beti house to end**  
**Block : Malkangiri, Gram Panchayat : Challanguda**  
**Created By:Er Saroj Kumar Samantaray**

<b>1. Earth Work (AR0102c) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction H.R.R</b>								
Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Berm filling	2.000	65.000	0.700	0.350	0.000	31.850	-
Total Quantity					31.85 cum (cum)		31.85 Cum (Cubic Meter)	
Amount					31.85 X 221.24973948		7046.80	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cut off	2.000	65.000	0.230	0.050	0.000	1.495	-
ii	Bed filling	1.000	64.360	3.290	0.100	0.000	21.174	-
iii	Cross curoff	2.000	3.290	0.230	0.050	0.000	0.076	-
Total Quantity					22.74511 cum (cum)		22.74511 Cum (Cubic Meter)	
Amount					22.74511 X 596.307232		13563.07	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Cut off	2.000	65.000	0.230	0.400	0.000	11.960	-
ii	Bed	1.000	64.360	3.290	0.100	0.000	21.174	-
iii	Cross cutoff	2.000	3.290	0.230	0.400	0.000	0.605	-
Total Quantity					33.7398 cum (cum)		33.7398 Cum (Cubic Meter)	
Amount					33.7398 X 5377.77097114		181444.92	

#### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	65.000	3.750	0.100	0.000	24.375	-
Total Quantity					24.375 cum (cum)		24.375 Cum (Cubic Meter)	
Amount					24.375 X 6865.67792718		167350.90	

#### 5. 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	Cutoff Wall	2.000	65.000	0.230	0.250	0.000	7.475	-
ii	Cross cutoff Wall	2.000	3.290	0.230	0.250	0.000	0.378	-
Total Quantity					7.85335 cum (cum)		7.85335 Cum (Cubic Meter)	
Amount					7.85335 X 240.77592		1890.90	

#### 6. 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	1.50 times of Concrete	1.500	58.100	0.000	0.000	0.000	87.150	-
<b>Total Quantity</b>					87.15 Sqm (Sqm)		87.15 Sqm (Square Meter)	
<b>Amount</b>					87.15 X 216.55039071844		18872.37	
<b>Total Amount</b>							390168.96	
<b>Addition</b>								
Provision for Contingency (+) @							3901.69	
Display Citizen Board (+) @							4000.00	
Any Other Lumpsum (+) @							1929.00	
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							9830.69	
<b>Grand Net Total Amount</b>							399999.65	

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