

Detailed Estimate

**OD/350/3337/116954/399943/00071200 : IMPROVEMENT OF ROAD FROM BHOI SAHI GADA TO SUKAPAIIKA CANAL,
SAGADIPATNA, BARADA GP**

Block : Cuttacksadar, Gram Panchayat : Barada

Created By:PRIYADARSHINI ROUT

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guardwall	1.000	5.000	0.600	0.910	0.000	2.730	-
ii	Cutoff	1.000	26.000	0.250	0.150	0.000	0.975	-
Total Quantity					3.705 cum (cum)		3.705 Cum (Cubic Meter)	
Amount					3.705 X 240.77592		892.07	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	guardwall	1.000	5.000	0.600	0.150	0.000	0.450	-
ii	cutoff	1.000	26.000	0.250	0.100	0.000	0.650	-
iii	road	1.000	5.000	5.840	0.100	0.000	2.920	-
iv	Road	1.000	26.000	3.650	0.100	0.000	9.490	-
Total Quantity					13.51 cum (cum)		13.51 Cum (Cubic Meter)	
Amount					13.51 X 588.227232		7946.95	
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	Guardwall	1.000	5.000	0.600	0.600	0.000	1.800	-
ii	guardwall	1.000	5.000	0.450	0.600	0.000	1.350	-
iii	guardwall	1.000	5.000	0.300	0.750	0.000	1.125	-
iv	cutoff	1.000	26.000	0.250	0.200	0.000	1.300	-
v	road	1.000	5.000	5.840	0.100	0.000	2.920	-
vi	road	1.000	26.000	3.650	0.100	0.000	9.490	-
Total Quantity					17.985 cum (cum)		17.985 Cum (Cubic Meter)	
Amount					17.985 X 6060.21693386		108993.00	

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 specifaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	road	1.000	5.000	6.650	0.100	0.000	3.325	-
ii	road	1.000	26.000	4.200	0.100	0.000	10.920	-
Total Quantity					14.245 cum (cum)		14.245 Cum (Cubic Meter)	
Amount					14.245 X 7524.48725582		107186.32	

5. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	cutoff	2.000	26.000	0.000	0.200	0.000	10.400	-
ii	guardwall	2.000	5.000	0.000	1.950	0.000	19.500	-
iii	road	2.000	26.000	0.000	0.100	0.000	5.200	-
Total Quantity					35.1 Sqm (Sqm)		35.1 Sqm (Square Meter)	
Amount					35.1 X 216.23489289764		7589.84	
6. 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	1	1.000	7.200	0.000	0.000	0.000	7.200	-
Total Quantity					7.2 Qntl (Quintal)		7.2 Qntl (Quintal)	
Amount					7.2 X 8540.9537283		61494.87	
Total Amount							294103.06	
Addition								
Provision for Contingency (+) @							3000.00	
Display Citizen Board (+) @							2500.00	
Any Other Lumpsum (+) @							396.00	
Provision for survey investigation and quality control (+) @								
Total Addition							5896.00	
Grand Net Total Amount							299999.06	

PRIYADARSHINI ROUT
JE
Cuttacksadar Block

SUBHASMITA NATH
AEE
Cuttacksadar Block

PRATIK SAHOO
BDO
Cuttacksadar Block