

## Detailed Estimate

**OD/351/3348/117227/383255/00079293 : CONSTRUCTION OF ROAD AND CULVERT FROM DUDHIANALI TO BHADRA SAHI**

**Block : Tileibani, Gram Panchayat : Dudhianali**

**Created By:GHANASHYAM SAHU**

<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	abutement wall	2.000	5.400	1.200	1.050	0.000	13.608	-
ii	WING WALL	4.000	1.800	0.750	1.000	0.000	5.400	-
iii	BED	1.000	5.400	1.200	0.300	0.000	1.944	-
<b>Total Quantity</b>						<b>20.952 cum (cum)</b>	<b>20.952 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>20.952 X 240.77592</b>	<b>5044.74</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	ABUTEMENT WALL	2.000	5.400	1.200	0.150	0.000	1.944	-
ii	WING WALL	4.000	1.800	0.750	0.100	0.000	0.540	-
iii	BED	1.000	5.400	1.200	0.100	0.000	0.648	-
<b>Total Quantity</b>						<b>3.132 cum (cum)</b>	<b>3.132 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>3.132 X 433.101332</b>	<b>1356.47</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	ABUTEMENT WALL	2.000	5.400	1.200	0.150	0.000	1.944	-
ii	WING WALL	4.000	1.800	0.525	1.850	0.000	6.993	-
iii	BED	1.000	5.400	1.200	0.100	0.000	0.648	-
iv	ABUTEMENT WALL	2.000	5.400	0.825	1.950	0.000	17.375	-
v	CUT OFF	2.000	1.200	0.300	0.000	0.000	0.720	-
Total Quantity					27.6795 cum (cum)		27.6795 Cum (Cubic Meter)	
Amount					<b>27.6795 X 6031.65372986</b>		<b>166953.16</b>	
<b>4. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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 Roof slab, landing, balcony, sun shade)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	DECK SLAB	1.000	5.400	2.400	0.300	0.000	3.888	-
Total Quantity					3.888 cum (cum)		3.888 Cum (Cubic Meter)	
Amount					<b>3.888 X 12797.362926189</b>		<b>49756.15</b>	
<b>5. 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</b>								
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	MS ROD	4.500	0.000	0.000	0.000	0.000	4.500	-
Total Quantity					4.5 Qntl (Quintal)		4.5 Qntl (Quintal)	
Amount					<b>4.5 X 9987.148458</b>		<b>44942.17</b>	

**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	ABUTEMENT WALL	2.000	12.000	0.000	1.950	0.000	46.800	-
ii	WING WALL	4.000	3.600	0.000	1.850	0.000	26.640	-
Total Quantity					73.44 Sqm (Sqm)		73.44 Sqm (Square Meter)	
Amount					73.44 X 216.23489289764		15880.29	

**7. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift**

Earth work in hard soil or gravelly soil 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	APPROACH ROAD	2.000	3.600	4.500	1.500	0.000	48.600	-
Total Quantity					48.6 cum (cum)		48.6 Cum (Cubic Meter)	
Amount					48.6 X 200.6466		9751.42	

**Total Amount (A) : 293684.40**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.3000	-	3000
2	Display Citizen Board @ Rs.3000	-	3000
3	Any Other Lumpsum @ Rs.315	-	315

**Additional Components Amount (F) : 6315**

Grand Total Amount (A + F) : 299999.40027575

**GHANASHYAM SAHU**  
**JE**  
Tileibani Block

**DARSHAN KUMAR PUROHIT**  
**AEE**  
Tileibani Block

**Priyadarshani Mirdha**  
**BDO**  
Tileibani Block