

## Detailed Estimate

**OD/365/3511/120404/387389/00079278 : CONSTRUCTION OF CULVERT WITH DRAIN AT JOTA BURU ROAD NEAR EDEL DARU**

**Block : Tiring, Gram Panchayat : Pandupani**

**Created By: DAKHIN SOREN**

<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	Abutment	2.000	25.000	4.000	4.000	0.000	800.000	-
ii	Bed	1.000	25.000	5.000	0.500	0.000	62.500	-
iii	W/Wall	4.000	10.000	2.000	3.000	0.000	240.000	-
iv	C/Off	2.000	6.000	2.000	2.000	0.000	48.000	-
<b>Total Quantity</b>						1150.5 Cft (Cubic Foot)	32.5784784 Cum (Cubic Meter)	
<b>Amount</b>						<b>32.5784784 X 240.77592</b>	<b>7844.11</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	Abutment	2.000	25.000	4.000	0.500	0.000	100.000	-
ii	Bed	1.000	25.000	6.000	0.500	0.000	75.000	-
iii	W/wall	4.000	10.000	2.000	0.500	0.000	40.000	-
iv	C/Off	2.000	6.000	2.000	0.500	0.000	12.000	-
<b>Total Quantity</b>						227 Cft (Cubic Foot)	6.4279136 Cum (Cubic Meter)	
<b>Amount</b>						<b>6.4279136 X 721.133132</b>	<b>4635.38</b>	

**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	Abutment	2.000	25.000	4.000	1.000	0.000	200.000	-
ii		2.000	25.000	3.000	2.500	0.000	375.000	-
iii		2.000	25.000	2.750	3.500	0.000	481.250	-
iv	Bed	1.000	25.000	6.000	0.330	0.000	49.500	-
v	W/wall	4.000	10.000	2.000	0.500	0.000	40.000	-
vi		4.000	10.000	1.750	3.000	0.000	210.000	-
vii	C/off	2.000	6.000	2.000	1.500	0.000	36.000	-
Total Quantity					1391.75 Cft (Cubic Foot)		39.4099064 Cum (Cubic Meter)	
Amount					<b>39.4099064 X 5821.4101038</b>		<b>229421.23</b>	

**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	Abutment	2.000	25.000	2.000	0.160	0.000	16.000	-
ii	Bef	1.000	25.000	5.000	0.250	0.000	31.250	-
Total Quantity					47.25 Cft (Cubic Foot)		1.3379688 Cum (Cubic Meter)	
Amount					<b>1.3379688 X 7384.4602276</b>		<b>9880.18</b>	

**5. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	25.000	9.000	1.000	0.000	225.000	-
Total Quantity					225 Cft (Cubic Foot)		6.37128 Cum (Cubic Meter)	
Amount					6.37128 X 12753.536417961		81256.35	

**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	Slab	1.000	3.270	1.000	1.000	0.000	3.270	-
Total Quantity					3.27 Qntl (Quintal)		3.27 Qntl (Quintal)	
Amount					3.27 X 8454.0977279		27644.90	

**7. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutment	2.000	31.000	4.000	0.000	0.000	248.000	-
ii	W/wall	4.000	10.000	3.000	0.000	0.000	120.000	-
Total Quantity					368 Sft (Square Foot)		34.188304 Sqm (Square Meter)	
Amount					34.188304 X 192.373822714		6576.93	

**8. 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
i	Abutment	2.000	58.000	7.500	0.000	0.000	870.000	-
ii	W/wall	4.000	23.000	5.500	0.000	0.000	506.000	-
Total Quantity					1376 Sft (Square Foot)		127.834528 Sqm (Square Meter)	
Amount					127.834528 X 216.70813962884		27702.78	

**Total Amount (A) : 394961.87**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.37.14	-	37.14
2	Display Citizen Board @ Rs.5000	-	5000
<b>Additional Components Amount (F) : 5037.14</b>			

**Grand Total Amount (A + F) : 399999.00782675**

**DAKHIN SOREN**  
JE  
Tiring Block

**MANGALJYOTI MOHAPATRA**  
AEE  
Tiring Block

**BHAGBAT PRASAD MOHAPATRA**  
BDO  
Tiring Block