

## Detailed Estimate

**OD/351/3348/117223/382729/00079313 : CONSTRUCTION OF ROAD AND CULVERT FROM PUDAPADA TO RANGIATIKIRA**

**Block : Tileibani, Gram Panchayat : Baniakilinda**

**Created By: BHOLANATH MAJHI**

<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	Abt	2.000	5.500	1.200	1.200	0.000	15.840	-
ii	Wings	4.000	1.200	1.200	1.200	0.000	6.912	-
iii	Cut Off	2.000	1.050	0.500	0.600	0.000	0.630	-
iv	Bed	1.000	5.100	1.050	0.300	0.000	1.607	-
<b>Total Quantity</b>					<b>24.9885 cum (cum)</b>		<b>24.9885 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>24.9885 X 240.77592</b>		<b>6016.63</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	Abt	2.000	5.500	1.200	0.150	0.000	1.980	-
ii	Wings	4.000	1.200	1.200	0.150	0.000	0.864	-
iii	Bed	1.000	5.100	1.050	0.100	0.000	0.536	-
<b>Total Quantity</b>					<b>3.3795 cum (cum)</b>		<b>3.3795 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>3.3795 X 433.101332</b>		<b>1463.67</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.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abt	2.000	5.500	1.200	0.300	0.000	3.960	-
ii		2.000	5.500	1.050	0.600	0.000	6.930	-
iii		2.000	5.500	0.675	1.200	0.000	8.910	-
iv	Wings	4.000	1.200	1.200	0.300	0.000	1.728	-
v		4.000	1.275	1.050	0.750	0.000	4.016	-
vi		4.000	1.575	0.675	1.200	0.000	5.103	-
vii	Cut Off	2.000	1.050	0.500	0.750	0.000	0.788	-
viii	Bed	1.000	5.100	1.050	0.150	0.000	0.803	-
ix	Parapeet	2.000	2.100	0.450	0.600	0.000	1.134	-
Total Quantity					33.372 cum (cum)		33.372 Cum (Cubic Meter)	
Amount					33.372 X 5823.34107836		194336.54	

#### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abt	2.000	5.500	0.000	1.200	0.000	13.200	-
ii	wings	4.000	2.175	0.000	1.200	0.000	10.440	-
iii		4.000	0.675	0.000	1.200	0.000	3.240	-
iv		4.000	1.575	0.000	0.600	0.000	3.780	-
v	Parapeet	4.000	2.100	0.000	0.600	0.000	5.040	-
vi		4.000	0.450	0.000	0.600	0.000	1.080	-
Total Quantity					36.78 Sqm (Sqm)		36.78 Sqm (Square Meter)	
Amount					36.78 X 195.0904793848		7175.43	

**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
i	Abt	4.000	5.500	0.000	1.950	0.000	42.900	-
ii		4.000	4.725	0.000	1.950	0.000	36.855	-
iii	Wings	8.000	1.575	0.000	0.750	0.000	9.450	-
iv		8.000	1.575	0.000	1.200	0.000	15.120	-
v		4.000	0.675	0.000	1.200	0.000	3.240	-
vi	Parapeet	4.000	2.100	0.000	0.600	0.000	5.040	-
vii		4.000	0.450	0.000	0.600	0.000	1.080	-
Total Quantity					113.685 Sqm (Sqm)		113.685 Sqm (Square Meter)	
Amount					113.685 X 216.23489289764		24582.66	

**6. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas**

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	5.500	1.200	0.000	0.000	6.600	-
ii	Side	2.000	5.500	0.300	0.000	0.000	3.300	-
iii		2.000	2.100	0.300	0.000	0.000	1.260	-
Total Quantity					11.16 Sqm (Sqm)		11.16 Sqm (Square Meter)	
Amount					11.16 X 662.689943368		7395.62	

**7. 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	Hysd Bar	1.000	3.110	0.000	0.000	0.000	3.110	-
Total Quantity					3.11 Qntl (Quintal)		3.11 Qntl (Quintal)	
Amount					3.11 X 9968.2344405		31001.21	

**8. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	5.500	2.100	0.300	0.000	3.465	-
Total Quantity					3.465 cum (cum)		3.465 Cum (Cubic Meter)	
Amount					3.465 X 5951.9397138972		20623.47	

**Total Amount (A) : 292595.23**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.3000	-	3000
2	Display Citizen Board @ Rs.4404	-	4404

**Additional Components Amount (F) : 7404**

**Grand Total Amount (A + F) : 299999.22511288**

**BHOLANATH MAJHI**  
**JE**  
**Tileibani Block**

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

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