

## Detailed Estimate

**OD/350/3336/116950/400097/00014023 : Improvement of Pradhan Sahi Village road from Behera Sahi to Sethi Sahi,  
Usuma**

**Block : Baranga, Gram Panchayat : Usuma**

**Created By: Jayashree Rout**

<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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cutoff	2.000	30.000	0.750	0.500	0.000	22.500	-
ii		2.000	20.000	0.750	0.500	0.000	15.000	-
Total Quantity						37.5 Cft (Cubic Foot)	1.06188 Cum (Cubic Meter)	
Amount						1.06188 X 240.77592	255.68	
<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	Cutoff	2.000	30.000	0.750	0.170	0.000	7.650	-
ii		2.000	20.000	0.750	0.170	0.000	5.100	-
iii	FRONT	1.000	30.000	12.000	0.170	0.000	61.200	-
Total Quantity						73.95 Cft (Cubic Foot)	2.09402736 Cum (Cubic Meter)	
Amount						2.09402736 X 900.064732	1884.76	
<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	Cutoff	2.000	30.000	0.750	0.330	0.000	14.850	-
ii		2.000	20.000	0.750	0.330	0.000	9.900	-
iii	front	1.000	30.000	12.000	0.330	0.000	118.800	-
iv	Patch work	1.000	30.000	10.000	0.250	0.000	75.000	-
v		1.000	25.000	10.000	0.250	0.000	62.500	-
vi		1.000	35.000	10.000	0.250	0.000	87.500	-
Total Quantity					368.55 Cft (Cubic Foot)		10.43615664 Cum (Cubic Meter)	
Amount					10.43615664 X 6085.01445386		63504.16	

#### 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	30.000	12.000	0.250	0.000	90.000	-
ii	Existing Road	1.000	100.000	10.000	0.330	0.000	330.000	-
iii		1.000	100.000	10.000	0.330	0.000	330.000	-
iv		1.000	100.000	10.000	0.330	0.000	330.000	-
v		1.000	59.000	10.000	0.330	0.000	194.700	-
Total Quantity					1274.7 Cft (Cubic Foot)		36.09542496 Cum (Cubic Meter)	
Amount					36.09542496 X 7547.73493082		272438.70	

**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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	2.000	30.000	0.000	0.660	0.000	39.600	-
ii		2.000	100.000	0.000	0.660	0.000	132.000	-
iii		2.000	100.000	0.000	0.660	0.000	132.000	-
iv		2.000	100.000	0.000	0.660	0.000	132.000	-
v		2.000	59.000	0.000	0.660	0.000	77.880	-
Total Quantity					513.48 Sft (Square Foot)		47.70383244 Sqm (Square Meter)	
Amount					47.70383244 X 216.23489289764		10315.23	
Total Amount							348398.53	
<b>Addition</b>								
Provision for Contingency (+) @							3500.00	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @							1101.38	
Provision for survey investigation and quality control (+) @								
Total Addition							5601.38	
Grand Net Total Amount							353999.91	

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Baranga Block

Aditya Narayan Mishra  
AEE  
Baranga Block

Swagat Das  
BDO  
Baranga Block