

## Detailed Estimate

**OD/350/3336/116950/400097/00013257 : Improvement of road from Rice Mill to canal bandh, South 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	100.000	0.750	0.500	0.000	75.000	-
ii		2.000	100.000	0.750	0.500	0.000	75.000	-
iii		2.000	21.000	0.750	0.500	0.000	15.750	-
Total Quantity					165.75 Cft (Cubic Foot)		4.6935096 Cum (Cubic Meter)	
Amount					4.6935096 X 240.77592		1130.08	
<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	100.000	0.750	0.170	0.000	25.500	-
ii		2.000	100.000	0.750	0.170	0.000	25.500	-
iii		2.000	21.000	0.750	0.170	0.000	5.355	-
iv	Road	1.000	100.000	10.500	0.170	0.000	178.500	-
v		1.000	100.000	10.500	0.170	0.000	178.500	-
vi		1.000	21.000	10.500	0.170	0.000	37.485	-

Total Quantity	450.84 Cft (Cubic Foot)	12.766346112 Cum (Cubic Meter)
Amount	12.766346112 X 900.064732	11490.54

### 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	Cutoff	2.000	100.000	0.750	0.500	0.000	75.000	-
ii		2.000	100.000	0.750	0.500	0.000	75.000	-
iii		2.000	21.000	0.750	0.500	0.000	15.750	-
iv	Road	1.000	100.000	12.000	0.330	0.000	396.000	-
v		1.000	100.000	12.000	0.330	0.000	396.000	-
vi		1.000	21.000	12.000	0.330	0.000	83.160	-
Total Quantity					1040.91 Cft (Cubic Foot)		29.475240288 Cum (Cubic Meter)	
Amount					29.475240288 X 6085.01445386		179357.26	

### 4. 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	road	2.000	100.000	1.000	0.000	0.000	200.000	-
ii		2.000	100.000	1.000	0.000	0.000	200.000	-
iii		2.000	21.000	1.000	0.000	0.000	42.000	-

Total Quantity	442 Sft (Square Foot)	41.063126 Sqm (Square Meter)
Amount	41.063126 X 216.23489289764	8879.28

**5. 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	Road	1.000	100.000	12.000	0.250	0.000	300.000	-
ii		1.000	100.000	12.000	0.250	0.000	300.000	-
iii		1.000	21.000	12.000	0.250	0.000	63.000	-
Total Quantity					663 Cft (Cubic Foot)		18.7740384 Cum (Cubic Meter)	
Amount					18.7740384 X 7547.73493082		141701.47	

**6. Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation**

Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	100.000	12.000	0.000	0.000	1200.000	-
ii		1.000	100.000	12.000	0.000	0.000	1200.000	-
iii		1.000	21.000	12.000	0.000	0.000	252.000	-
Total Quantity					2652 Sft (Square Foot)		246.378756 Sqm (Square Meter)	
Amount					246.378756 X 4.6662		1149.65	
Total Amount							343708.28	
Addition								

Provision for Contingency (+) @	3500.00
Display Citizen Board (+) @	1500.00
Any Other Lumpsum (+) @	1291.71
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>6291.71</b>
<b>Grand Net Total Amount</b>	<b>349999.99</b>

**Jayashree Rout**  
**JE**  
**Baranga Block**

**Aditya Narayan Mishra**  
**AEE**  
**Baranga Block**

**Swagat Das**  
**BDO**  
**Baranga Block**