

Detailed Estimate

**OD/350/3337/116952/399953/00071184 : IMPROVEMENT OF ROAD FROM RD ROAD TO MALANPADIA TO UPARSAHI,
KOTUAN, ARILO GP**

Block : Cuttacksadar, Gram Panchayat : Arilo

Created By: Sujata Singh

| 1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift | | | | | | | | |
|--|--------------|-------|---------|-------|-------------------------------------|-------|-------------------------------|-----------|
| 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 | Cut Off Wall | 2.000 | 184.000 | 0.750 | 0.660 | 0.000 | 182.160 | - |
| Total Quantity | | | | | 182.16 Cft (Cubic Foot) | | 5.158188288 Cum (Cubic Meter) | |
| Amount | | | | | 5.158188288 X 240.77592 | | 1241.97 | |
| 2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed | | | | | | | | |
| 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 | Cut Off Wall | 2.000 | 184.000 | 0.750 | 0.330 | 0.000 | 91.080 | - |
| ii | Road | 1.000 | 184.000 | 8.500 | 0.330 | 0.000 | 516.120 | - |
| Total Quantity | | | | | 607.2 Cft (Cubic Foot) | | 17.19396096 Cum (Cubic Meter) | |
| Amount | | | | | 17.19396096 X 588.227232 | | 10113.96 | |
| 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. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |

| | | | | | | | | |
|----------------|---|-------|---------|-------|--------------------------------|-------|----------------------------------|---|
| i | Cut Off Wall | 2.000 | 184.000 | 0.750 | 0.910 | 0.000 | 251.160 | - |
| ii | New Road | 1.000 | 184.000 | 8.500 | 0.250 | 0.000 | 391.000 | - |
| iii | Existing Road (Repairing Portion) | 1.000 | 81.000 | 4.160 | 0.250 | 0.000 | 84.240 | - |
| Total Quantity | | | | | 726.4 Cft (Cubic Foot) | | 20.56932352 Cum (Cubic Meter) | |
| Amount | | | | | 20.56932352 X 6060.21693386 | | 124654.56 | |

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

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|----------------------|-------|---------|-------|----------------------------------|-------|-----------------------------------|-----------|
| i | Cutoff Wall | 4.000 | 184.000 | 0.000 | 0.910 | 0.000 | 669.760 | - |
| ii | New Road | 2.000 | 184.000 | 0.000 | 0.250 | 0.000 | 92.000 | - |
| iii | Repairing portion | 2.000 | 81.000 | 0.000 | 0.250 | 0.000 | 40.500 | - |
| Total Quantity | | | | | 802.26 Sft (Square Foot) | | 74.53236078 Sqm (Square Meter) | |
| Amount | | | | | 74.53236078 X 216.23489289764 | | 16116.50 | |

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 specifaion and direction of Engineer-in charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|---|-------|---------|--------|-------|-------|----------|-----------|
| i | New Road | 1.000 | 184.000 | 10.000 | 0.250 | 0.000 | 460.000 | - |
| ii | Existing road (Repairing portion) | 1.000 | 81.000 | 10.000 | 0.250 | 0.000 | 202.500 | - |

| | | | | | | | | |
|--|-----------------|--------|--------|-------|--------------------------------|-------|-------------------------------|-------|
| iii | Expansion joint | 28.000 | 10.000 | 0.080 | 0.250 | 0.000 | - | 5.600 |
| Total Quantity | | | | | 656.9 Cft (Cubic Foot) | | 18.60130592 Cum (Cubic Meter) | |
| Amount | | | | | 18.60130592 X 7524.48725582 | | 139965.29 | |
| Total Amount | | | | | | | 292092.27 | |
| Addition | | | | | | | | |
| Provision for Contingency (+) @ | | | | | | | 3000.00 | |
| Display Citizen Board (+) @ | | | | | | | 4907.60 | |
| Any Other Lumpsum (+) @ | | | | | | | | |
| Provision for survey investigation and quality control (+) @ | | | | | | | | |
| Total Addition | | | | | | | 7907.60 | |
| Grand Net Total Amount | | | | | | | 299999.87 | |

Sujata Singh
JE
Cuttacksadar Block

SUBHASHMITA NATH
AEE
Cuttacksadar Block

PRATIK SAHOO
BDO
Cuttacksadar Block