

## Detailed Estimate

**OD/373/3582/121660/385238/00072849 : Construction of Cement Concrete Road from Tipu House to Sukru House at Barchuan Village**

**Block : Lahunipara, Gram Panchayat : Daleisara**

**Created By: NARESH 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  | Cut Off Wall | 2.000 | 89.500 | 0.225 | 0.225                | 0.000 | 9.062                      | -         |
| Total Quantity   |              |       |        |       | 9.061875 cum (cum)   |       | 9.061875 Cum (Cubic Meter) |           |
| Amount   |              |       |        |       | 9.061875 X 240.77592 |       | 2181.88                    |           |
| <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  | CC Road Base | 1.000 | 89.500 | 2.600 | 0.120                | 0.000 | 27.924                     | -         |
| ii   | CUT OFF WALL | 2.000 | 89.500 | 0.225 | 0.100                | 0.000 | 4.028                      | -         |
| Total Quantity   |              |       |        |       | 31.9515 cum (cum)    |       | 31.9515 Cum (Cubic Meter)  |           |
| Amount   |              |       |        |       | 31.9515 X 587.318232 |       | 18765.70                   |           |
| <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. |              |       |        |       |                      |       |                            |           |
| SI No  | Description  | No    | L      | B     | D                    | CF    | Quantity                   | Deduction |

|                |              |       |        |       |                             |       |                            |   |
|----------------|--------------|-------|--------|-------|-----------------------------|-------|----------------------------|---|
| i              | CC ROAD BASE | 1.000 | 89.500 | 2.600 | 0.100                       | 0.000 | 23.270                     | - |
| ii             | CUT OFF WALL | 2.000 | 89.500 | 0.225 | 0.330                       | 0.000 | 13.291                     | - |
| Total Quantity |              |       |        |       | 36.56075 cum (cum)          |       | 36.56075 Cum (Cubic Meter) |   |
| Amount         |              |       |        |       | 36.56075 X<br>6481.49885802 |       | 236968.46                  |   |

**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              | CUT OFF WALL   | 2.000 | 89.500 | 0.330 | 0.000                       | 0.000 | 59.070                    | -         |
| ii             | ROAD FORMATION | 2.000 | 89.500 | 0.075 | 0.000                       | 0.000 | 13.425                    | -         |
| Total Quantity |                |       |        |       | 72.495 Sqm (Sqm)            |       | 72.495 Sqm (Square Meter) |           |
| Amount         |                |       |        |       | 72.495 X<br>216.86588853924 |       | 15721.69                  |           |

**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              | CC ROAD WEARING COAT      | 1.000  | 89.500 | 3.050 | 0.075                  | 0.000 | 20.473                         | -         |
| ii             | Deduction for saltexboard | 17.000 | 3.050  | 0.013 | 0.075                  | 0.000 | -                              | 0.049     |
| Total Quantity |                           |        |        |       | 20.424515625 cum (cum) |       | 20.424515625 Cum (Cubic Meter) |           |

|   |                   |                                 |        |           |                  |       |                         |           |
|---|-------------------|---------------------------------|--------|-----------|------------------|-------|-------------------------|-----------|
| <b>Amount</b>   |                   | 20.424515625 X<br>7942.28546374 |        | 162217.33 |                  |       |                         |           |
| <b>6. Earth Work (AR0107) : Extra lead of 25m or part there of over the initial lead of 50m for earth work(1st Extra lead 50m to 75m)</b>   |                   |                                 |        |           |                  |       |                         |           |
| Extra lead of 25m or part there of over the initial lead of 50m for earth work in all kinds of embankment and road works and ordinary earth work in general (1st Extra lead 50m to 75m) |                   |                                 |        |           |                  |       |                         |           |
| SI No   | Description       | No                              | L      | B         | D                | CF    | Quantity                | Deduction |
| i   | SIDE BERM FILLING | 2.000                           | 89.500 | 0.300     | 0.300            | 0.000 | 16.110                  | -         |
| Total Quantity  |                   |                                 |        |           | 16.11 cum (cum)  |       | 16.11 Cum (Cubic Meter) |           |
| <b>Amount</b>   |                   | 16.11 X 13.9986                 |        | 225.52    |                  |       |                         |           |
| <b>Total Amount</b>   |                   | 436080.58                       |        |           |                  |       |                         |           |
| <b>Addition</b>   |                   |                                 |        |           |                  |       |                         |           |
| Provision for Contingency (+) @   |                   |                                 |        |           | 4468.00          |       |                         |           |
| Display Citizen Board (+) @   |                   |                                 |        |           | 5000.00          |       |                         |           |
| Any Other Lumpsum (+) @   |                   |                                 |        |           | 1289.00          |       |                         |           |
| Provision for survey investigation and quality control (+) @  |                   |                                 |        |           |                  |       |                         |           |
| <b>Total Addition</b>   |                   |                                 |        |           | <b>10757.00</b>  |       |                         |           |
| <b>Grand Net Total Amount</b>   |                   |                                 |        |           | <b>446837.58</b> |       |                         |           |

**NARESH MAJHI**  
JE  
Lahunipara Block

**SATYABRAT PATTANAİK**  
AEE  
Lahunipara Block

**BDO LAHUNIPARA**  
BDO  
Lahunipara Block