

## Detailed Estimate

**OD/359/3426/118924/416119/00106009 : Construction of CC Road from Madarsahi to Bondhaguda ME School**  
**Block : K.Nuagan, Gram Panchayat : Bondaguda**  
**Created By:DAKSHYA KUMAR KUSUM**

| <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  | Toe wall    | 2.000 | 246.000 | 0.750  | 0.750 | 0.000                                | 276.750                        | -         |
| ii   | way         | 1.000 | 246.000 | 10.500 | 0.330 | 0.000                                | 852.390                        | -         |
| <b>Total Quantity</b>  |             |       |         |        |       | 1129.14 Cft (Cubic Foot)             | 31.973631552 Cum (Cubic Meter) |           |
| <b>Amount</b>  |             |       |         |        |       | <b>31.973631552 X<br/>240.77592</b>  | <b>7698.48</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  | Toe wall    | 2.000 | 246.000 | 0.750  | 0.330 | 0.000                                | 121.770                        | -         |
| ii   | Way         | 1.000 | 246.000 | 10.500 | 0.330 | 0.000                                | 852.390                        | -         |
| <b>Total Quantity</b>  |             |       |         |        |       | 974.16 Cft (Cubic Foot)              | 27.585093888 Cum (Cubic Meter) |           |
| <b>Amount</b>  |             |       |         |        |       | <b>27.585093888 X<br/>586.531442</b> | <b>16179.52</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. |             |       |         |        |       |                                      |                                |           |
| SI No  | Description | No    | L       | B      | D     | CF                                   | Quantity                       | Deduction |
| i  | Toe wall    | 2.000 | 246.000 | 0.750  | 0.750 | 0.000                                | 276.750                        | -         |

|                |     |       |         |        |                                 |       |                                |   |
|----------------|-----|-------|---------|--------|---------------------------------|-------|--------------------------------|---|
| ii             | Way | 1.000 | 246.000 | 12.000 | 0.330                           | 0.000 | 974.160                        | - |
| Total Quantity |     |       |         |        | 1250.91 Cft (Cubic Foot)        |       | 35.421768288 Cum (Cubic Meter) |   |
| Amount         |     |       |         |        | 35.421768288 X<br>5919.94243544 |       | 209694.83                      |   |

#### 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 specificaion and direction of Engineer-in charge.

| SI No          | Description | No    | L       | B      | D                             | CF    | Quantity                     | Deduction |
|----------------|-------------|-------|---------|--------|-------------------------------|-------|------------------------------|-----------|
| i              | Way         | 1.000 | 246.000 | 12.000 | 0.250                         | 0.000 | 738.000                      | -         |
| Total Quantity |             |       |         |        | 738 Cft (Cubic Foot)          |       | 20.8977984 Cum (Cubic Meter) |           |
| Amount         |             |       |         |        | 20.8977984 X<br>7451.27028128 |       | 155715.14                    |           |

#### 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              | Toe wall    | 4.000 | 246.000 | 0.000 | 0.330                            | 0.000 | 324.720                        | -         |
| ii             | way         | 2.000 | 246.000 | 0.000 | 0.580                            | 0.000 | 285.360                        | -         |
| Total Quantity |             |       |         |       | 610.08 Sft (Square Foot)         |       | 56.67826224 Sqm (Square Meter) |           |
| Amount         |             |       |         |       | 56.67826224 X<br>216.23489289764 |       | 12255.82                       |           |

**Total Amount (A) : 401543.80**

#### Additional Components

| # | Item Name                      | Remark | Amount (in Rs.) |
|---|--------------------------------|--------|-----------------|
| 1 | Provision for Contingency @ 1% | -      | 4015.4379680215 |

|  |                                 |   |      |
|--|---------------------------------|---|------|
| 2  | Display Citizen Board @ Rs.5000 | - | 5000 |
| Additional Components Amount (F) : 9015.4379680215 |                                 |   |      |
| Grand Total Amount (A + F) : 410559.23477017       |                                 |   |      |

**DAKSHYA KUMAR KUSUM**  
JE  
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**Shovam Mohapatra**  
AEE  
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**Subhrajali Pradhan**  
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