

## Detailed Estimate

**OD/370/3553/275326/426507/00064160 : Improvement of Road at Marichkona**  
**Block : Kolnara, Gram Panchayat : Katikana**  
**Created By:GOURISHYAM NAIK**

| <b>1. 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  | Road Surface | 1.000 | 28.000 | 3.190 | 0.100                            | 0.000 | 8.932                       | -         |
| ii   | cutt off     | 2.000 | 28.000 | 0.230 | 0.100                            | 0.000 | 1.288                       | -         |
| iii  | cutt off     | 2.000 | 3.190  | 0.230 | 0.100                            | 0.000 | 0.147                       | -         |
| Total Quantity   |              |       |        |       | 10.36674 cum (cum)               |       | 10.36674 Cum (Cubic Meter)  |           |
| <b>Amount</b>  |              |       |        |       | <b>10.36674 X 778.511232</b>     |       | <b>8070.62</b>              |           |
| <b>2. 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  | cutt off     | 2.000 | 28.000 | 0.230 | 0.230                            | 0.000 | 2.962                       | -         |
| ii   | Cutt off     | 2.000 | 3.190  | 0.230 | 0.230                            | 0.000 | 0.338                       | -         |
| iii  | Road surface | 1.000 | 28.000 | 3.650 | 0.100                            | 0.000 | 10.220                      | -         |
| Total Quantity   |              |       |        |       | 13.519902 cum (cum)              |       | 13.519902 Cum (Cubic Meter) |           |
| <b>Amount</b>  |              |       |        |       | <b>13.519902 X 5405.53391174</b> |       | <b>73082.29</b>             |           |
| <b>3. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>   |              |       |        |       |                                  |       |                             |           |

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              | Road base   | 1.000 | 28.000 | 3.650 | 0.075                 | 0.000 | 7.665                   | -         |
| Total Quantity |             |       |        |       | 7.665 cum (cum)       |       | 7.665 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | 7.665 X 6906.59829938 |       | 52939.08                |           |

**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              | Road side   | 2.000 | 28.000 | 0.175 | 0.000                     | 0.000 | 9.800                      | -         |
| ii             | Cutoff      | 2.000 | 3.650  | 0.175 | 0.000                     | 0.000 | 1.278                      | -         |
| Total Quantity |             |       |        |       | 11.0775 Sqm (Sqm)         |       | 11.0775 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 11.0775 X 216.23489289764 |       | 2395.34                    |           |

**5. 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              | Road        | 1.000 | 28.000 | 3.650 | 0.150               | 0.000 | 15.330                      | -         |
| ii             | cutt off    | 2.000 | 28.000 | 0.230 | 0.230               | 0.000 | 2.962                       | -         |
| iii            | cutt off    | 2.000 | 3.190  | 0.230 | 0.230               | 0.000 | 0.338                       | -         |
| Total Quantity |             |       |        |       | 18.629902 cum (cum) |       | 18.629902 Cum (Cubic Meter) |           |

|  |                              |                  |
|--|------------------------------|------------------|
| <b>Amount</b>  | <b>18.629902 X 240.77592</b> | <b>4485.63</b>   |
| <b>Total Amount</b>  |                              | <b>140972.96</b> |
| <b>Addition</b>  |                              |                  |
| Provision for Contingency (+) @                              |                              | 1409.73          |
| Display Citizen Board (+) @                                  |                              | 1405.30          |
| Any Other Lumpsum (+) @                                      |                              |                  |
| Provision for survey investigation and quality control (+) @ |                              |                  |
| <b>Total Addition</b>  |                              | <b>2815.03</b>   |
| <b>Grand Net Total Amount</b>                                |                              | <b>143787.99</b> |

**GOURISHYAM NAIK**  
**JE**  
**Kolnara Block**

**SAMEER KUMAR RATHA**  
**AEE**  
**Kolnara Block**

**SMT REENA PRADHAN**  
**BDO**  
**Kolnara Block**