

## Detailed Estimate

**OD/363/3476/119882/429865/00067926 : Const. of CC ROAD WITH DRAIN FROM SADAR TO TALASAHI, KHATAPUT**  
**Block : Nandapur, Gram Panchayat : Malibelgaon**  
**Created By: Sunita Maharana**

| <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   | drain       | 1.000 | 45.000 | 1.300 | 0.900               | 0.000 | 52.650                   | -         |
| ii  | cutoff      | 2.000 | 59.000 | 0.300 | 0.150               | 0.000 | 5.310                    | -         |
| iii   | end cutoff  | 2.000 | 3.600  | 0.300 | 0.150               | 0.000 | 0.324                    | -         |
| Total Quantity  |             |       |        |       | 58.284 cum (cum)    |       | 58.284 Cum (Cubic Meter) |           |
| Amount  |             |       |        |       | 58.284 X 240.77592  |       | 14033.38                 |           |
| <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   | drain       | 1.000 | 45.000 | 1.300 | 0.100               | 0.000 | 5.850                    | -         |
| ii  | cutoff      | 2.000 | 59.000 | 0.300 | 0.050               | 0.000 | 1.770                    | -         |
| iii   | road base   | 1.000 | 59.000 | 3.000 | 0.050               | 0.000 | 8.850                    | -         |
| iv  | end cutoff  | 2.000 | 3.600  | 0.300 | 0.050               | 0.000 | 0.108                    | -         |
| Total Quantity  |             |       |        |       | 16.578 cum (cum)    |       | 16.578 Cum (Cubic Meter) |           |
| Amount  |             |       |        |       | 16.578 X 716.800232 |       | 11883.11                 |           |
| <b>3. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal</b>   |             |       |        |       |                     |       |                          |           |

Cement concrete (1:4:8) 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              | drain       | 1.000 | 45.000 | 1.300 | 0.100                | 0.000 | 5.850                   | -         |
| ii             | wall        | 2.000 | 45.000 | 0.300 | 0.600                | 0.000 | 16.200                  | -         |
| Total Quantity |             |       |        |       | 22.05 cum (cum)      |       | 22.05 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | 22.05 X 5097.4177224 |       | 112398.06               |           |

**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              | drain         | 1.000  | 45.000 | 1.300 | 0.050                  | 0.000 | 2.925                     | -         |
| ii             | cutoff        | 2.000  | 59.000 | 0.300 | 0.330                  | 0.000 | 11.682                    | -         |
| iii            | end cutoff    | 2.000  | 3.600  | 0.300 | 0.130                  | 0.000 | 0.281                     | -         |
| iv             | middle cutoff | 15.000 | 3.000  | 0.300 | 0.130                  | 0.000 | 1.755                     | -         |
| Total Quantity |               |        |        |       | 16.6428 cum (cum)      |       | 16.6428 Cum (Cubic Meter) |           |
| Amount         |               |        |        |       | 16.6428 X 6979.8846286 |       | 116164.82                 |           |

**5. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC**

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

| SI No | Description | No      | L      | B     | D     | CF    | Quantity | Deduction |
|-------|-------------|---------|--------|-------|-------|-------|----------|-----------|
| i     | road        | 1.000   | 59.000 | 3.000 | 0.000 | 0.000 | 177.000  | -         |
| ii    | deduction   | -15.000 | 3.000  | 0.300 | 0.000 | 0.000 | -13.500  | -         |

|   |             |                             |        |                           |       |       |          |           |
|---|-------------|-----------------------------|--------|---------------------------|-------|-------|----------|-----------|
| Total Quantity  |             | 163.5 Sqm (Sqm)             |        | 163.5 Sqm (Square Meter)  |       |       |          |           |
| Amount  |             | 163.5 X 627.978             |        | 102674.40                 |       |       |          |           |
| <b>6. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>   |             |                             |        |                           |       |       |          |           |
| 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      | 2.000                       | 59.000 | 0.130                     | 0.000 | 0.000 | 15.340   | -         |
| ii  | end cutoff  | 2.000                       | 3.600  | 0.130                     | 0.000 | 0.000 | 0.936    | -         |
| Total Quantity  |             | 16.276 Sqm (Sqm)            |        | 16.276 Sqm (Square Meter) |       |       |          |           |
| Amount  |             | 16.276 X<br>216.39264180804 |        | 3522.01                   |       |       |          |           |
| Total Amount  |             |                             |        | 360675.79                 |       |       |          |           |
| <b>Addition</b>   |             |                             |        |                           |       |       |          |           |
| Provision for PH Work (+) @   |             |                             |        |                           |       |       |          |           |
| Provision for EI Work (+) @   |             |                             |        |                           |       |       |          |           |
| Provision for Contingency (+) @   |             |                             |        |                           |       |       |          |           |
| Display Citizen Board (+) @   |             |                             |        |                           |       |       |          |           |
| Any Other Lumpsum (+) @   |             |                             |        |                           |       |       |          |           |
| Provision for survey investigation and quality control (+) @  |             |                             |        |                           |       |       |          |           |
| <b>Total Addition</b>   |             |                             |        |                           |       |       |          |           |
| <b>Grand Net Total Amount</b>   |             |                             |        |                           |       |       |          |           |
| 7136.00   |             |                             |        |                           |       |       |          |           |
| 367811.79   |             |                             |        |                           |       |       |          |           |

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