

## Detailed Estimate

**OD/348/3327/116728/395288/00071343 : R/R of Payasahi village Road culvert**  
**Block : Dhamanagar, Gram Panchayat : Dhusuri**  
**Created By:PRAVAT KUMAR BEHERA**

| <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   | Bed         | 1.000 | 16.000 | 4.000  | 4.000                       | 0.000 | 256.000                      | -         |
| ii  | Toe wall    | 2.000 | 20.000 | 0.750  | 0.830                       | 0.000 | 24.900                       | -         |
| Total Quantity  |             |       |        |        | 280.9 Cft (Cubic Foot)      |       | 7.95418912 Cum (Cubic Meter) |           |
| Amount  |             |       |        |        | 7.95418912 X<br>240.77592   |       | 1915.18                      |           |
| <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   | Bed         | 1.000 | 16.000 | 4.000  | 0.500                       | 0.000 | 32.000                       | -         |
| ii  | Toe wall    | 2.000 | 20.000 | 0.750  | 0.330                       | 0.000 | 9.900                        | -         |
| iii   | Road bed    | 1.000 | 20.000 | 10.000 | 0.330                       | 0.000 | 66.000                       | -         |
| Total Quantity  |             |       |        |        | 107.9 Cft (Cubic Foot)      |       | 3.05538272 Cum (Cubic Meter) |           |
| Amount  |             |       |        |        | 3.05538272 X<br>1081.672832 |       | 3304.92                      |           |
| <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              | Bed         | 1.000 | 16.000 | 4.000  | 0.330                          | 0.000 | 21.120                        | -         |
| ii             | toe wall    | 2.000 | 20.000 | 0.750  | 0.830                          | 0.000 | 24.900                        | -         |
| iii            | Road bed    | 1.000 | 20.000 | 10.000 | 0.330                          | 0.000 | 66.000                        | -         |
| Total Quantity |             |       |        |        | 112.02 Cft (Cubic Foot)        |       | 3.172047936 Cum (Cubic Meter) |           |
| Amount         |             |       |        |        | 3.172047936 X<br>6214.95582206 |       | 19714.14                      |           |

**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              | Bed         | 1.000 | 16.000 | 4.000  | 0.330                          | 0.000 | 21.120                        | -         |
| ii             | Road bedd   | 1.000 | 20.000 | 10.000 | 0.330                          | 0.000 | 66.000                        | -         |
| Total Quantity |             |       |        |        | 87.12 Cft (Cubic Foot)         |       | 2.466959616 Cum (Cubic Meter) |           |
| Amount         |             |       |        |        | 2.466959616 X<br>7651.38632222 |       | 18875.66                      |           |
| Total Amount   |             |       |        |        |                                |       | 43809.90                      |           |

**Addition**

|                                 |  |  |  |  |  |  |         |  |
|---------------------------------|--|--|--|--|--|--|---------|--|
| Provision for PH Work (+) @     |  |  |  |  |  |  |         |  |
| Provision for EI Work (+) @     |  |  |  |  |  |  |         |  |
| Provision for Contingency (+) @ |  |  |  |  |  |  | 438.10  |  |
| Display Citizen Board (+) @     |  |  |  |  |  |  | 1000.00 |  |

|  |                 |
|--|-----------------|
| Any Other Lumpsum (+) @                                      | 13000.00        |
| Provision for survey investigation and quality control (+) @ | 1752.00         |
| <b>Total Addition</b>  | <b>16190.10</b> |
| <b>Grand Net Total Amount</b>                                | <b>60000.00</b> |

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