

## Detailed Estimate

**OD/352/3353/117356/402460/00077351 : Construction of CC Road with drain at Dolamandap two side**  
**Block : Kamakhyanagar, Gram Panchayat : Kantapal**  
**Created By: SUSAMA 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  | drain       | 1.000 | 104.000 | 0.950 | 0.600               | 0.000 | 59.280                   | -         |
| ii   | road        | 1.000 | 104.000 | 2.000 | 0.200               | 0.000 | 41.600                   | -         |
| Total Quantity   |             |       |         |       | 100.88 cum (cum)    |       | 100.88 Cum (Cubic Meter) |           |
| Amount   |             |       |         |       | 100.88 X 240.77592  |       | 24289.47                 |           |
| <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 | 104.000 | 0.950 | 0.060               | 0.000 | 5.928                    | -         |
| ii   | road        | 1.000 | 104.000 | 2.000 | 0.060               | 0.000 | 12.480                   | -         |
| Total Quantity   |             |       |         |       | 18.408 cum (cum)    |       | 18.408 Cum (Cubic Meter) |           |
| Amount   |             |       |         |       | 18.408 X 605.619432 |       | 11148.24                 |           |
| <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. |             |       |         |       |                     |       |                          |           |
| Sl No  | Description | No    | L       | B     | D                   | CF    | Quantity                 | Deduction |
| i  | drain       | 1.000 | 104.000 | 0.950 | 0.075               | 0.000 | 7.410                    | -         |
| ii   | road        | 1.000 | 104.000 | 2.000 | 0.075               | 0.000 | 15.600                   | -         |

|                |                          |                         |
|----------------|--------------------------|-------------------------|
| Total Quantity | 23.01 cum (cum)          | 23.01 Cum (Cubic Meter) |
| Amount         | 23.01 X<br>6109.04401834 | 140569.10               |

**4. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

| Sl No          | Description | No      | L       | B     | D                         | CF    | Quantity               | Deduction |
|----------------|-------------|---------|---------|-------|---------------------------|-------|------------------------|-----------|
| i              | drain       | 416.000 | 1.400   | 0.000 | 0.000                     | 0.620 | 361.088                | -         |
| ii             | distri      | 6.000   | 104.000 | 0.000 | 0.000                     | 0.395 | 246.480                | -         |
| Total Quantity |             |         |         |       | 607.568 Kg (Kilo Gram)    |       | 6.07568 Qntl (Quintal) |           |
| Amount         |             |         |         |       | 6.07568 X<br>8384.1897699 |       | 50939.65               |           |

**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 specificaion and direction of Engineer-in charge.

| Sl No          | Description | No    | L       | B     | D                  | CF    | Quantity             | Deduction |
|----------------|-------------|-------|---------|-------|--------------------|-------|----------------------|-----------|
| i              | road        | 1.000 | 104.000 | 2.000 | 0.063              | 0.000 | 13.000               | -         |
| Total Quantity |             |       |         |       | 13 cum (cum)       |       | 13 Cum (Cubic Meter) |           |
| Amount         |             |       |         |       | 13 X 7531.47643158 |       | 97909.19             |           |

**6. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

| Sl No | Description | No    | L       | B     | D     | CF    | Quantity | Deduction |
|-------|-------------|-------|---------|-------|-------|-------|----------|-----------|
| i     | drainbedd   | 1.000 | 104.000 | 0.950 | 0.075 | 0.000 | 7.410    | -         |
| ii    | wall        | 2.000 | 104.000 | 0.150 | 0.575 | 0.000 | 17.940   | -         |

|                |                            |                         |
|----------------|----------------------------|-------------------------|
| Total Quantity | 25.35 cum (cum)            | 25.35 Cum (Cubic Meter) |
| Amount         | 25.35 X<br>6561.0718300139 | 166323.17               |

|                              |
|------------------------------|
| Total Amount (A) : 491178.84 |
|------------------------------|

| Additional Components                   |                                     |        |                 |
|---|-------------------------------------|--------|-----------------|
| #                                       | Item Name                           | Remark | Amount (in Rs.) |
| 1                                       | Provision for Contingency @ Rs.5000 | -      | 5000            |
| 2                                       | Display Citizen Board @ Rs.3821     | -      | 3821            |
| Additional Components Amount (F) : 8821 |                                     |        |                 |

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| Grand Total Amount (A + F) : 499999.83877844 |
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