

## Detailed Estimate

OD/360/3435/119072/396591/00017065 : Maintenance of road from Jagannathpur GP road with culvert near Manipura vill-Santhapura

Block : Derabish, Gram Panchayat : Nahanga

Created By: MADHUSMITA MALLICK

| <b>1. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift</b>  |             |       |        |       |                          |       |                         |           |
|--|-------------|-------|--------|-------|--------------------------|-------|-------------------------|-----------|
| Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum  |             |       |        |       |                          |       |                         |           |
| Sl No  | Description | No    | L      | B     | D                        | CF    | Quantity                | Deduction |
| i  | Drain       | 1.000 | 11.500 | 2.000 | 1.850                    | 0.000 | 42.550                  | -         |
| ii   | Chamber     | 1.000 | 2.000  | 2.000 | 1.500                    | 0.000 | 6.000                   | -         |
| Total Quantity   |             |       |        |       | 48.55 cum (cum)          |       | 48.55 Cum (Cubic Meter) |           |
| <b>Amount</b>  |             |       |        |       | <b>48.55 X 179.18208</b> |       | <b>8699.29</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.   |             |       |        |       |                          |       |                         |           |
| Sl No  | Description | No    | L      | B     | D                        | CF    | Quantity                | Deduction |
| i  | Drain       | 1.000 | 11.500 | 2.000 | 0.100                    | 0.000 | 2.300                   | -         |
| ii   | Chamber     | 1.000 | 2.000  | 2.000 | 0.100                    | 0.000 | 0.400                   | -         |
| Total Quantity   |             |       |        |       | 2.7 cum (cum)            |       | 2.7 Cum (Cubic Meter)   |           |
| <b>Amount</b>  |             |       |        |       | <b>2.7 X 745.221632</b>  |       | <b>2012.10</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. |             |       |        |       |                          |       |                         |           |
| Sl No  | Description | No    | L      | B     | D                        | CF    | Quantity                | Deduction |
| i  | Drain       | 1.000 | 11.500 | 2.000 | 0.100                    | 0.000 | 2.300                   | -         |
| ii   | Chamber     | 1.000 | 2.000  | 2.000 | 0.100                    | 0.000 | 0.400                   | -         |

|                |                     |                       |
|----------------|---------------------|-----------------------|
| Total Quantity | 2.7 cum (cum)       | 2.7 Cum (Cubic Meter) |
| Amount         | 2.7 X 6218.60305528 | 16790.23              |

**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 specifaicon and direction of Engineer-in charge.

| Sl No          | Description | No    | L      | B     | D                          | CF    | Quantity                  | Deduction |
|----------------|-------------|-------|--------|-------|----------------------------|-------|---------------------------|-----------|
| i              | Drain base  | 1.000 | 11.500 | 2.000 | 0.150                      | 0.000 | 3.450                     | -         |
| ii             | Drain wall  | 2.000 | 11.500 | 0.250 | 1.250                      | 0.000 | 7.188                     | -         |
| iii            | Chamber     | 1.000 | 2.000  | 2.000 | 0.100                      | 0.000 | 0.400                     | -         |
| Total Quantity |             |       |        |       | 11.0375 cum (cum)          |       | 11.0375 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | 11.0375 X<br>7810.06986036 |       | 86203.65                  |           |

**5. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth**

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, 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              | Chamber wall | 2.000 | 1.700 | 0.250 | 1.300                     | 0.000 | 1.105                   | -         |
| ii             | Chamber wall | 2.000 | 1.200 | 0.250 | 1.300                     | 0.000 | 0.780                   | -         |
| Total Quantity |              |       |       |       | 1.885 cum (cum)           |       | 1.885 Cum (Cubic Meter) |           |
| Amount         |              |       |       |       | 1.885 X<br>4983.110518304 |       | 9393.16                 |           |

**6. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).**

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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 Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).

| Sl No | Description | No    | L      | B     | D     | CF    | Quantity | Deduction |
|-------|-------------|-------|--------|-------|-------|-------|----------|-----------|
| i     | Drain slab  | 1.000 | 11.500 | 1.700 | 0.225 | 0.000 | 4.399    | -         |

|   |              |       |       |       |                                      |       |                           |           |
|---|--------------|-------|-------|-------|--------------------------------------|-------|---------------------------|-----------|
| ii  | Chamber slab | 1.000 | 1.700 | 1.700 | 0.150                                | 0.000 | 0.434                     | -         |
| Total Quantity  |              |       |       |       | 4.83225 cum (cum)                    |       | 4.83225 Cum (Cubic Meter) |           |
| <b>Amount</b>   |              |       |       |       | <b>4.83225 X<br/>13191.190304502</b> |       | <b>63743.13</b>           |           |
| <b>7. 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</b>  |              |       |       |       |                                      |       |                           |           |
| 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   | M S Rod      | 1.000 | 6.700 | 0.000 | 0.000                                | 0.000 | 6.700                     | -         |
| Total Quantity  |              |       |       |       | 6.7 Qntl (Quintal)                   |       | 6.7 Qntl (Quintal)        |           |
| <b>Amount</b>   |              |       |       |       | <b>6.7 X 8846.8365006</b>            |       | <b>59273.80</b>           |           |
| <b>Total Amount</b>   |              |       |       |       |                                      |       | <b>246115.36</b>          |           |
| <b>Addition</b>   |              |       |       |       |                                      |       |                           |           |
| Provision for Contingency (+) @   |              |       |       |       |                                      |       | 2461.15                   |           |
| Display Citizen Board (+) @   |              |       |       |       |                                      |       | 1423.00                   |           |
| Any Other Lumpsum (+) @   |              |       |       |       |                                      |       |                           |           |
| <b>Total Addition</b>   |              |       |       |       |                                      |       | <b>3884.15</b>            |           |
| <b>Grand Net Total Amount</b>   |              |       |       |       |                                      |       | <b>249999.51</b>          |           |