

## Detailed Estimate

**OD/362/3458/119564/408442/00070341 : RENOVATION OF BHETINATHA TANK AT BHETESWAR**

**Block : Banapur, Gram Panchayat : Bheteswar**

**Created By:snigdharani jena**

| <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  |              |       |        |       |       |                                 |                              |           |
| SI No  | Description  | No    | L      | B     | D     | CF                              | Quantity                     | Deduction |
| i  |              | 1.000 | 84.000 | 3.500 | 4.000 | 0.000                           | 1176.000                     | -         |
| <b>Total Quantity</b>  |              |       |        |       |       | 1176 Cft (Cubic Foot)           | 33.3005568 Cum (Cubic Meter) |           |
| <b>Amount</b>  |              |       |        |       |       | <b>33.3005568 X 240.77592</b>   | <b>8017.97</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.   |              |       |        |       |       |                                 |                              |           |
| SI No  | Description  | No    | L      | B     | D     | CF                              | Quantity                     | Deduction |
| i  |              | 1.000 | 84.000 | 3.500 | 2.000 | 0.000                           | 588.000                      | -         |
| ii   | Back Filling | 2.000 | 84.000 | 0.500 | 4.000 | 0.000                           | 336.000                      | -         |
| <b>Total Quantity</b>  |              |       |        |       |       | 924 Cft (Cubic Foot)            | 26.1647232 Cum (Cubic Meter) |           |
| <b>Amount</b>  |              |       |        |       |       | <b>26.1647232 X 1560.907732</b> | <b>40840.72</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. |              |       |        |       |       |                                 |                              |           |
| SI No  | Description  | No    | L      | B     | D     | CF                              | Quantity                     | Deduction |
| i  |              | 1.000 | 84.000 | 3.500 | 0.330 | 0.000                           | 97.020                       | -         |

|                |                   |       |        |        |  |       |                                |   |
|----------------|-------------------|-------|--------|--------|--|-------|--------------------------------|---|
| ii             | Plinth Protection | 2.000 | 84.000 | 0.500  | 4.000                                  | 0.000 | 336.000                        | - |
| iii            | River Front       | 1.000 | 50.000 | 30.000 | 0.330                                  | 0.000 | 495.000                        | - |
| Total Quantity |                   |       |        |        | 928.02 Cft (Cubic Foot)                |       | 26.278556736 Cum (Cubic Meter) |   |
| Amount         |                   |       |        |        | <b>26.278556736 X<br/>6432.6588415</b> |       | <b>169040.99</b>               |   |

**4. 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.)

| SI No          | Description | No    | L      | B     | D                                       | CF    | Quantity                     | Deduction |
|----------------|-------------|-------|--------|-------|---|-------|------------------------------|-----------|
| i              |             | 1.000 | 84.000 | 3.500 | 1.500                                   | 0.000 | 441.000                      | -         |
| ii             |             | 1.000 | 84.000 | 1.000 | 18.000                                  | 0.000 | 1512.000                     | -         |
| Total Quantity |             |       |        |       | 1953 Cft (Cubic Foot)                   |       | 55.3027104 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | <b>55.3027104 X<br/>6888.7206040415</b> |       | <b>380964.92</b>             |           |

**5. 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.

| SI No | Description | No    | L       | B     | D     | CF     | Quantity | Deduction |
|-------|-------------|-------|---------|-------|-------|--------|----------|-----------|
| i     | 12 mm       | 1.000 | 169.000 | 0.305 | 0.890 | 3.500  | 160.457  | -         |
| ii    | 12 mm       | 1.000 | 8.000   | 0.305 | 0.890 | 84.000 | 182.295  | -         |
| iii   | Left Side   | 1.000 | 37.000  | 0.305 | 0.890 | 84.000 | 843.113  | -         |
| iv    | Right Side  | 1.000 | 37.000  | 0.305 | 0.890 | 84.000 | 843.113  | -         |
| v     | Left Side   | 1.000 | 169.000 | 0.305 | 0.890 | 18.000 | 825.209  | -         |
| vi    | Right Side  | 1.000 | 169.000 | 0.305 | 0.890 | 18.000 | 825.209  | -         |

|                |            |       |       |       |                               |       |                            |   |
|----------------|------------|-------|-------|-------|-------------------------------|-------|----------------------------|---|
| vii            | Left Side  | 1.000 | 8.000 | 0.305 | 0.890                         | 2.000 | 4.340                      | - |
| viii           | Right Side | 1.000 | 8.000 | 0.305 | 0.890                         | 2.000 | 4.340                      | - |
| ix             | Left Side  | 1.000 | 5.000 | 0.305 | 0.890                         | 3.500 | 4.747                      | - |
| x              | Right Side | 1.000 | 5.000 | 0.305 | 0.890                         | 3.500 | 4.747                      | - |
| Total Quantity |            |       |       |       | 3697.572996 Kg (Kilo Gram)    |       | 36.97572996 Qntl (Quintal) |   |
| Amount         |            |       |       |       | 36.97572996 X<br>8656.9325535 |       | 320096.40                  |   |

**6. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

| SI No          | Description | No    | L      | B      | D                            | CF    | Quantity                      | Deduction |
|----------------|-------------|-------|--------|--------|------------------------------|-------|-------------------------------|-----------|
| i              |             | 2.000 | 84.000 | 18.000 | 0.000                        | 0.000 | 3024.000                      | -         |
| Total Quantity |             |       |        |        | 3024 Sft (Square Foot)       |       | 280.938672 Sqm (Square Meter) |           |
| Amount         |             |       |        |        | 280.938672 X<br>195.19097188 |       | 54836.69                      |           |

**Total Amount (A) : 973797.69**

**Additional Components**

| # | Item Name                       | Remark | Amount (in Rs.) |
|---|---------------------------------|--------|-----------------|
| 1 | Display Citizen Board @ Rs.5000 | -      | 5000            |
| 2 | Any Other Lumpsum @ 1%          | Cess   | 9737.9769467657 |
| 3 | Provision for Contingency @ 1%  | -      | 9737.9769467657 |

**Additional Components Amount (F) : 24475.953893531**

**Grand Total Amount (A + F) : 998273.6485701**

snigdharani jena  
JE  
Banapur Block

SURESH MALIK  
AEE  
Banapur Block

Sri Bikash Kumar Mohanty  
BDO  
Banapur Block