

## Detailed Estimate

**OD/364/3484/120002/430193/00015649 : Improvement Of Road From Main Road Pedawad To Harijan Sahi**

**Block : Malkangiri, Panchayat : Pedawada**

**Created By:Er. SUDIPTA SAHOO**

| <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  | Cutoff      | 2.000 | 59.000 | 0.200 | 0.230                       | 0.000 | 5.428                     | -         |
| Total Quantity   |             |       |        |       | 5.428 cum (cum)             |       | 5.428 Cum (Cubic Meter)   |           |
| <b>Amount</b>  |             |       |        |       | <b>5.428 X 235.56432</b>    |       | <b>1278.64</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  | Cutoff      | 2.000 | 59.000 | 0.200 | 0.050                       | 0.000 | 1.180                     | -         |
| ii   | Bed         | 1.000 | 59.000 | 2.540 | 0.070                       | 0.000 | 10.490                    | -         |
| Total Quantity   |             |       |        |       | 11.6702 cum (cum)           |       | 11.6702 Cum (Cubic Meter) |           |
| <b>Amount</b>  |             |       |        |       | <b>11.6702 X 580.009872</b> |       | <b>6768.83</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  | Cutoff      | 2.000 | 59.000 | 0.230 | 0.300                       | 0.000 | 8.142                     | -         |
| ii   | Bed         | 1.000 | 59.000 | 2.540 | 0.100                       | 0.000 | 14.986                    | -         |
| Total Quantity   |             |       |        |       | 23.128 cum (cum)            |       | 23.128 Cum (Cubic Meter)  |           |

| <b>Amount</b>  |             |       |        |       |                 | <b>23.128 X<br/>5688.82910262</b>  | <b>131571.24</b>        |           |
|--|-------------|-------|--------|-------|-----------------|------------------------------------|-------------------------|-----------|
| <b>4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>   |             |       |        |       |                 |                                    |                         |           |
| 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 and as per direction of Engineer-in charge. |             |       |        |       |                 |                                    |                         |           |
| Sl No  | Description | No    | L      | B     | D               | CF                                 | Quantity                | Deduction |
| i  | Road        | 1.000 | 59.000 | 3.000 | 0.100           | 0.000                              | 17.700                  | -         |
| Total Quantity   |             |       |        |       | 17.7 cum (cum)  |                                    | 17.7 Cum (Cubic Meter)  |           |
| <b>Amount</b>  |             |       |        |       |                 | <b>17.7 X 7353.99684394</b>        | <b>130165.74</b>        |           |
| <b>5. Road Work (AR1307) : Supplying &amp; spreading moorum and consolidation with HRR</b>   |             |       |        |       |                 |                                    |                         |           |
| Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.  |             |       |        |       |                 |                                    |                         |           |
| Sl No  | Description | No    | L      | B     | D               | CF                                 | Quantity                | Deduction |
| i  | Flank       | 2.000 | 59.000 | 0.600 | 0.200           | 0.000                              | 14.160                  | -         |
| Total Quantity   |             |       |        |       | 14.16 cum (cum) |                                    | 14.16 Cum (Cubic Meter) |           |
| <b>Amount</b>  |             |       |        |       |                 | <b>14.16 X<br/>1146.2966148975</b> | <b>16231.56</b>         |           |
| <b>Total Amount</b>  |             |       |        |       |                 |                                    | <b>286016.02</b>        |           |
| <b>Addition</b>  |             |       |        |       |                 |                                    |                         |           |
| Provision for Contingency (+) @  |             |       |        |       |                 |                                    | 2860.16                 |           |
| Display Citizen Board (+) @  |             |       |        |       |                 |                                    | 3500.00                 |           |
| Any Other Lumpsum (+) @  |             |       |        |       |                 |                                    | 7623.00                 |           |
| <b>Total Addition</b>  |             |       |        |       |                 |                                    | <b>13983.16</b>         |           |
| <b>Grand Net Total Amount</b>  |             |       |        |       |                 |                                    | <b>299999.18</b>        |           |