

## Measurements

OD/367/3527/275497/406384/00017178 : Construction of Kalahandi village CC Road  
Block : Nayagarh, Gram Panchayat : Muthagadia  
Created By: Monalisa Satapathy

| Measurement Book No : 175  |             |   |     | Measurement Date : 2025-06-10 |      |    |  | Pages : 1 to 4 |           |    |    |
|--|-------------|---|-----|-------------------------------|------|----|--|----------------|-----------|----|----|
| Item 1 : Earth Work  |             |   |     | Spec. Code : AR0102aa         |      |    |  |                |           |    |    |
| <b>Spec Decription :</b><br>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  |             |   |     |                               |      |    |  |                |           |    |    |
| S/N  | Description | N | L   | B                             | D    | CF | Quantity                                     | Remarks        | Deduction | CM | TC |
| i  | cut off     | 2 | 122 | 0.75                          | 0.5  |    | 91.5   |                |           | ✓  |    |
| <b>Total Quantity</b>  |             |   |     |                               |      |    | <b>91.5 Cft (2.5909872 Cum)</b>              |                |           |    |    |
| <b>Amount</b>  |             |   |     |                               |      |    | <b>2.5909872 X 235.56432 = Rs. 610.34</b>    |                |           |    |    |
|  |             |   |     |                               |      |    |  |                |           |    |    |
| Item 2 : Earth Work  |             |   |     | Spec. Code : AR0115           |      |    |  |                |           |    |    |
| <b>Spec Decription :</b><br>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.   |             |   |     |                               |      |    |  |                |           |    |    |
| S/N  | Description | N | L   | B                             | D    | CF | Quantity                                     | Remarks        | Deduction | CM | TC |
| i  | cut off     | 2 | 122 | 0.75                          | 0.33 |    | 60.39  |                |           | ✓  |    |
| ii   | road base   | 1 | 122 | 10.5                          | 0.16 |    | 204.96                                       |                |           | ✓  |    |
| <b>Total Quantity</b>  |             |   |     |                               |      |    | <b>265.35 Cft (7.51386288 Cum)</b>           |                |           |    |    |
| <b>Amount</b>  |             |   |     |                               |      |    | <b>7.51386288 X 779.535372 = Rs. 5857.32</b> |                |           |    |    |
|  |             |   |     |                               |      |    |  |                |           |    |    |
| Item 3 : Concrete  |             |   |     | Spec. Code : AR0303a          |      |    |  |                |           |    |    |
| <b>Spec Decription :</b><br>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, rramming, 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 as per specifaicon and direction of Engineer-in charge. |             |   |     |                               |      |    |  |                |           |    |    |

| S/N  | Description | N | L   | B    | D    | CF | Quantity  | Remarks | Deduction | CM | TC |
|--|-------------|---|-----|------|------|----|---|---------|-----------|----|----|
| i  | cut off     | 2 | 122 | 0.75 | 0.66 |    | 120.78  |         |           | ✓  |    |
| ii   | road base   | 1 | 122 | 10.5 | 0.33 |    | 422.73  |         |           | ✓  |    |
| <b>Total Quantity</b>  |             |   |     |      |      |    | <b>543.51 Cft (15.390463968 Cum)</b>                |         |           |    |    |
| <b>Amount</b>  |             |   |     |      |      |    | <b>15.390463968 X 5130.2318043 = Rs. 78956.65</b>   |         |           |    |    |
| <b>Item 4 : Concrete</b>   |             |   |     |      |      |    | <b>Spec. Code : AR0307</b>                          |         |           |    |    |
| <b>Spec Description :</b><br>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 specifaion and direction of Engineer-in charge. |             |   |     |      |      |    |   |         |           |    |    |
| S/N  | Description | N | L   | B    | D    | CF | Quantity  | Remarks | Deduction | CM | TC |
| i  | road base   | 1 | 122 | 12   | 0.33 |    | 483.12  |         |           | ✓  |    |
| ii   | deduct      | 8 | 12  | 0.02 | 0.33 |    | 0.6336  |         | 0.6336    | ✓  |    |
| <b>Total Quantity</b>  |             |   |     |      |      |    | <b>482.4864 Cft (13.66247089152 Cum)</b>            |         |           |    |    |
| <b>Amount</b>  |             |   |     |      |      |    | <b>13.66247089152 X 6905.5061581 = Rs. 94346.28</b> |         |           |    |    |
| <b>Item 5 : R.C.C. Work</b>  |             |   |     |      |      |    | <b>Spec. Code : AR0410c</b>                         |         |           |    |    |
| <b>Spec Description :</b><br>Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc   |             |   |     |      |      |    |   |         |           |    |    |
| S/N  | Description | N | L   | B    | D    | CF | Quantity  | Remarks | Deduction | CM | TC |
| i  | road base   | 2 | 122 |      | 0.83 |    | 202.52  |         |           | ✓  |    |
| <b>Total Quantity</b>  |             |   |     |      |      |    | <b>202.52 Sft (18.81471556 Sqm)</b>                 |         |           |    |    |
| <b>Amount</b>  |             |   |     |      |      |    | <b>18.81471556 X 215.22489289764 = Rs. 4049.40</b>  |         |           |    |    |
| <b>Total Amount</b>  |             |   |     |      |      |    | <b>Rs. 183819.98578234</b>                          |         |           |    |    |

**Addition Component**

|                          |                 |
|--------------------------|-----------------|
| i) Display Citizen Board | Rs. 2712        |
| <b>Total Addition</b>    | <b>Rs. 2712</b> |

**Deduction Component**

|                        |                            |
|------------------------|----------------------------|
| i) Royalty             | Rs. 4255.9679095181        |
| ii) Additional Royalty | Rs. 6931.6437943258        |
| iii) EMF               | Rs. 212.7983954759         |
| iv) DMF                | Rs. 425.59679095181        |
| v) Empty Gunny Bag     | Rs. 631.2                  |
| vi) Labour Cess        | Rs. 1865.3198578234        |
| <b>Total Deduction</b> | <b>Rs. 14322.526748095</b> |

**Grand Total Amount : Rs. 172209.45903424**