

## ESTIMATION DPR

|              |        |                 |           |              |           |                       |          |
|--------------|--------|-----------------|-----------|--------------|-----------|-----------------------|----------|
| <b>State</b> | Odisha | <b>District</b> | Kandhamal | <b>Block</b> | Phiringia | <b>Gram Panchayat</b> | Phringia |
|--------------|--------|-----------------|-----------|--------------|-----------|-----------------------|----------|

|                         |  |
|-------------------------|--|
| <b>Work Code</b>        | OD/359/3429/118971/416343/00022091 (Construction of CC Road at Biswamitrasahi) |
| <b>Project Category</b> | Road   |

|                             |                             |                              |  |
|-----------------------------|-----------------------------|------------------------------|--|
| <b>Financial Year</b>       | 2025-26                     | <b>Execution Level</b>       | PS   |
| <b>Executing Agency</b>     | Panchayat Samiti, Phiringia | <b>Proposal Date</b>         | -  |
| <b>Date of Commencement</b> | -                           | <b>Date of Completion</b>    |  |
| <b>Scheme Name</b>          | 5th SFC Grant in Aid        | <b>Scheme Component Name</b> | Maintenance and improvement of Road infrastructure |
| <b>Project Sub-Category</b> | CC Road                     | <b>Project Type</b>          | New Work   |
| <b>Name of Executant</b>    |                             |                              |  |

**Administrative Approval Details**

|                     |  |
|---------------------|--|
| <b>Approval No.</b> |  |
|---------------------|--|

**Technical Sanction Details**

|                                      |        |
|--------------------------------------|--------|
| <b>Technical Sanction No.</b>        |        |
| <b>Fund Sanction No.</b>             | 31142  |
| <b>Fund Sanction Amount (in Rs.)</b> | 200000 |

**ACTIVITY STATEMENT**

| S/N | ACTIVITY TAKEN | UNIT | QUANTITY | UNIT PRICE (IN RS.) | TOTAL (IN RS.) |
|-----|----------------|------|----------|---------------------|----------------|
|-----|----------------|------|----------|---------------------|----------------|

|   |  |     |               |            |                 |
|---|--|-----|---------------|------------|-----------------|
| 1 | <p style="text-align: center;"><b>Earth Work (AR0102aa)</b><br/> <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b><br/> Earth work in hard soil or gravelly soil foundation &amp; 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</p> | Cum | 5.781724224   | 240.77592  | 1392.0999692199 |
| 2 | <p style="text-align: center;"><b>Earth Work (AR0115) :</b><br/> <b>Filling foundation and plinth with sand well watered and rammed -</b><br/> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>  | Cum | 8.67630150016 | 645.049832 | 5596.6468250596 |

|   |  |     |              |               |                 |
|---|--|-----|--------------|---------------|-----------------|
| 3 | <p style="text-align: center;"><b>Concrete (AR0303a) :</b><br/> <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</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, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p> | Cum | 18.540991136 | 5249.02519044 | 97322.129528589 |
|---|--|-----|--------------|---------------|-----------------|

|  |  |     |            |                 |                 |
|--|--|-----|------------|-----------------|-----------------|
| 4  | <p style="text-align: center;"><b>R.C.C.<br/>Work<br/>(AR0404Aa) :</b></p> <p><b>Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips -</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC foundation,<br/>footing bases of<br/>column, mass<br/>concrete, pre-cast<br/>slabs etc.)</p> | Cum | 12.7708768 | 6919.6496566653 | 88369.993264435 |
| <b>Total Amount (in Rs.): 192680.8695873</b> |  |     |            |                 |                 |

### LABOUR STATEMENT

| SI.No. | Activity Name | Qty/unit(B=Analysis<br>Basic Qty/HeaderUnit) | Quantity(Measurement<br>Qty) | Unit |
|--------|---------------|--|------------------------------|------|
|--------|---------------|--|------------------------------|------|

|   |  |        |                 |     |
|---|--|--------|-----------------|-----|
| 1 | <p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b><br/> Earth work in hard soil or gravelly soil foundation &amp; 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</p> | -      | 5.781724224     | Cum |
| i | Un-Skilled   | 0.516  | 2.983369699584  | -   |
| 2 | <p><b>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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>   | -      | 8.67630150016   | Cum |
| i | Un-Skilled   | 0.1236 | 1.0723908654198 | -   |

|    |   |      |               |     |
|----|---|------|---------------|-----|
| 3  | <b>Concrete (AR0303a)<br/>: Cement concrete<br/>(1:3:6) with 4 cm.<br/>hard granite(Hand<br/>Broken) metal -</b><br>Cement concrete<br>(1:3:6) with 4 cm. hard<br>granite(Hand Broken)<br>metal including laying in<br>layers not exceeding<br>300 mm in depth,<br>ramming, compacting<br>to proper thickness,<br>watering and curing for<br>proper period with cost<br>conveyance, royalty,<br>taxes of all materials,<br>labour and T&P<br>required for the work<br>etc. complete and as<br>per direction of<br>Engineer-in charge. | -    | 18.540991136  | Cum |
| i  | Un-Skilled  | 3.9  | 72.3098654304 | -   |
| ii | Skilled   | 0.18 | 3.33737840448 | -   |

|     |  |        |                |     |
|-----|--|--------|----------------|-----|
| 4   | <b>R.C.C. Work (AR0404Aa) :</b><br><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b><br>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.) | -      | 12.7708768     | Cum |
| i   | Un-Skilled   | 1.3333 | 17.02741003744 | -   |
| ii  | Skilled  | 0.175  | 2.23490344     | -   |
| iii | Semi-Skilled   | 0.1323 | 1.68958700064  | -   |

| SI.No.        | Labour Type  | Qty Unit        | Rate | Amount                 |
|---------------|--------------|-----------------|------|------------------------|
| 1             | Un-Skilled   | 93.393036032844 | 462  | 43147.582647174        |
| 2             | Skilled      | 5.57228184448   | 562  | 3131.6223965978        |
| 3             | Semi-Skilled | 1.68958700064   | 512  | 865.06854432768        |
| <b>Total:</b> |              |                 |      | <b>47144.273588099</b> |

## MATERIAL STATEMENT

| Sl.No. | Activity Name/Material   | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit  |
|--------|--|---|---------------------------|-------|
| 1      | <p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil foundation &amp; 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</p> | -   | 5.781724224               | Cum   |
| 2      | <p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b></p> <p>Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>  | -   | 8.67630150016             | Cum   |
| i)     | <b>BRM029</b> : Sand for filling and road blinding   | 1   | 8.67630150016             | 1 Cum |

|      |   |      |                     |         |
|------|---|------|---------------------|---------|
| 3    | <p><b>Concrete (AR0303a)</b><br/> <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</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, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>  | -    | <b>18.540991136</b> | Cum     |
| i)   | <b>BRM340</b> : Cement  | 2.29 | 42.45886970144      | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.48 | 8.89967574528       | 1 Cum   |
| iii) | <b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)   | 0.96 | 17.79935149056      | 1 Cum.  |
| 4    | <p><b>R.C.C. Work (AR0404Aa)</b><br/> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b><br/> Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;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.)</p> | -    | <b>12.7708768</b>   | Cum     |

|      |  |          |                |         |
|------|--|----------|----------------|---------|
| i)   | <b>BRM340</b> : Cement   | 3.4733   | 44.35708638944 | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.45     | 5.74689456     | 1 Cum   |
| iii) | <b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken) | 0.36     | 4.597515648    | 1 Cum.  |
| iv)  | <b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken) | 0.54     | 6.896273472    | 1 Cum.  |
| v)   | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)  | 0.004005 | 0.051147361584 | 1Cum.   |
| vi)  | <b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.  | 0.189    | 2.4136957152   | 1Mtr.   |

| SI.No.        | Material Name | Qty            | Unit    | Rate      | Amount                 |
|---------------|---------------|----------------|---------|-----------|------------------------|
| 1             | <b>BRM029</b> | 8.67630150016  | 1 Cum   | 541.31    | 4696.5687650516        |
| 2             | <b>BRM340</b> | 86.81595609088 | 1 Qntl. | 620.742   | 53890.310215765        |
| 3             | <b>BRM028</b> | 14.64657030528 | 1 Cum   | 548.19    | 8029.1033756514        |
| 4             | <b>BRM045</b> | 17.79935149056 | 1 Cum.  | 1258.67   | 22403.509740623        |
| 5             | <b>BRM060</b> | 4.597515648    | 1 Cum.  | 2648.58   | 12176.88799498         |
| 6             | <b>BRM052</b> | 6.896273472    | 1 Cum.  | 2612.2    | 18014.445563558        |
| 7             | <b>BRM104</b> | 0.051147361584 | 1Cum.   | 58573.086 | 2995.8588087327        |
| 8             | <b>BRM092</b> | 2.4136957152   | 1Mtr.   | 229.106   | 552.99217052661        |
| <b>Total:</b> |               |                |         |           | <b>122759.67663489</b> |

## ROYALTY STATEMENT

| S/N | Material Name | Qty            | Unit   | Royalty Rate | Amount          |
|-----|---------------|----------------|--------|--------------|-----------------|
| 1   | <b>BRM029</b> | 8.67630150016  | 1 Cum  | 40.25        | 349.22113538144 |
| 2   | <b>BRM028</b> | 14.64657030528 | 1 Cum  | 40.25        | 589.52445478752 |
| 3   | <b>BRM045</b> | 17.79935149056 | 1 Cum. | 149.5        | 2661.0030478387 |
| 4   | <b>BRM060</b> | 4.597515648    | 1 Cum. | 149.5        | 687.328589376   |

|   |        |             |        |       |                               |
|---|--------|-------------|--------|-------|-------------------------------|
| 5 | BRM052 | 6.896273472 | 1 Cum. | 149.5 | 1030.992884064                |
|   |        |             |        |       | <b>Total: 5318.0701114477</b> |

**ADDITION COMPONENT**

| SI.No. | Item Name                               | Amount (in Rs.)                                       |
|--------|---|---|
| 1      | Provision for Contingency @<br>Rs. 2319 | Rs. 2319  |
| 2      | Display Citizen Board @<br>Rs. 5000     | Rs. 5000  |
|        |   | <b>Total Addition Component Amount (in Rs.): 7319</b> |

**Total Net Amount (in Rs.): 199999.8695873**