

| ESTIMATION DPR | | | | | | | |
|----------------|--------|-----------------|---------|--------------|---------|-----------------------|---------|
| State | Odisha | District | Nuapada | Block | Nuapada | Gram Panchayat | Biromal |

| | |
|-------------------------|--|
| Work Code | OD/368/3534/120831/421649/00016864 (Imp.of Road with cc/Gr-ii Metaling from Digi road to Beldholga road) |
| Project Category | Road |

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|-----------------------------|---------------------------|------------------------------|--|
| Financial Year | 2024-25 | Execution Level | ps |
| Executing Agency | Panchayat Samiti, Nuapada | Proposal Date | - |
| Date of Commencement | - | Date of Completion | |
| Scheme Name | 5th SFC Grant in Aid | Scheme Component Name | Maintenance and improvement of Road infrastructure |
| Project Sub-Category | Mettalling Road | Project Type | Upgradation or Improvement |
| Name of Executant | | | |

Administrative Approval Details

| | |
|---------------------|--|
| Approval No. | |
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Technical Sanction Details

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|--------------------------------------|--------|
| Technical Sanction No. | |
| Fund Sanction No. | 1130 |
| Fund Sanction Amount (in Rs.) | 300000 |

ACTIVITY STATEMENT

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

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|---|---|-----|-------|--------------|-----------------|
| 1 | <p style="text-align: center;">Earth Work (AR0122Bi) : Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p> | Cum | 89.64 | 306.77910892 | 27499.679323589 |
|---|---|-----|-------|--------------|-----------------|

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|---|--|-----|------|----------------|-----------------|
| 2 | <p style="text-align: center;">Road Work (AR1308) : moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR -</p> <p>Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR 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.</p> | Cum | 74.7 | 1144.676499558 | 85507.334516983 |
|---|--|-----|------|----------------|-----------------|

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|---|---|-----|------|-----------------|----------------|
| 3 | <p style="text-align: center;">Road Work (AR1341a) :</p> <p>Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam</p> <p>- Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision).</p> | Cum | 74.7 | 2444.3586261111 | 182593.5893705 |
| Total Amount (in Rs.): 295600.60321107 | | | | | |

LABOUR STATEMENT

| Sl.No. | Activity Name | Qty/unit(B=Analysis Basic Qty/HeaderUnit) | Quantity(Measurement Qty) | Unit |
|--------|---------------|---|---------------------------|------|
|--------|---------------|---|---------------------------|------|

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|---|--|------|---------|-----|
| 1 | Earth Work (AR0122Bi) : Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge. | - | 89.64 | Cum |
| i | Un-Skilled | 0.32 | 28.6848 | - |

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|---|---|-----------------|-----------------|-----|
| 2 | Road Work (AR1308) : moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR - Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR 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. | - | 74.7 | Cum |
| i | Un-Skilled | 1.1333922261484 | 84.664399293286 | - |

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|-----|--|--------------------|--------|-----|
| 3 | Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision). | - | 74.7 | Cum |
| i | Un-Skilled | 0.6944444444444444 | 51.875 | - |
| ii | Skilled | 0.0055555555555556 | 0.415 | - |
| iii | Semi-Skilled | 0.028 | 2.0916 | - |

| Sl.No. | Labour Type | Qty Unit | Rate | Amount |
|--------|-------------|----------|------|--------|
|--------|-------------|----------|------|--------|

| | | | | |
|---|--------------|-----------------|-----|-------------------------------|
| 2 | Un-Skilled | 165.22419929329 | 452 | 74681.338080565 |
| 4 | Skilled | 0.415 | 552 | 229.08 |
| 3 | Semi-Skilled | 2.0916 | 502 | 1049.9832 |
| | | | | Total: 75960.401280565 |

MATERIAL STATEMENT

| Sl.No. | Activity Name/Material | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit |
|--------|---|---|---------------------------|-------|
| 1 | Earth Work (AR0122Bi) :.Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge. | - | 89.64 | Cum |
| i) | BRMM402 : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading). | -0.6666 | -59.754024 | 1 Cum |
| ii) | BRMM401 : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading | 1 | 89.64 | 1 Cum |

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|-----|---|------------------|----------------|-------|
| 2 | Road Work (AR1308) :.moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR - Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR 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. | - | 74.7 | Cum |
| i) | BRM025 : Gravel or moorum | 0.89578798586572 | 66.91536254417 | 1 Cum |
| ii) | BRM029 : Sand for filling and road blinding | 0.384 | 28.6848 | 1 Cum |

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|------|--|------|--|-------------|--------|
| 3 | Road Work (AR1341a) :.Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision). | - | | 74.7 | Cum |
| i) | BRMMR0037 : Cost of water | 0.4 | | 29.88 | KL |
| ii) | BRM025 : Gravel or moorum | 0.3 | | 22.41 | 1 Cum |
| iii) | BRM075 : I.R.C. Grade I (90mm-45 mm.) | 1.21 | | 90.387 | 1 Cum. |

| Sl.No. | Material Name | Qty | Unit | Rate | Amount |
|--------|----------------|----------------|-------|--------|-----------------|
| 1 | BRMM402 | -59.754024 | 1 Cum | 175.38 | -10479.66072912 |
| 2 | BRMM401 | 89.64 | 1 Cum | 276.01 | 24741.5364 |
| 3 | BRM025 | 89.32536254417 | 1 Cum | 341.89 | 30539.448200226 |
| 4 | BRM029 | 28.6848 | 1 Cum | 543.25 | 15583.0176 |

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|-------------------------------|------------------|--------|--------|---------|--------------|
| 5 | BRMMR0037 | 29.88 | KL | 10 | 298.8 |
| 6 | BRM075 | 90.387 | 1 Cum. | 1276.25 | 115356.40875 |
| Total: 176039.55022111 | | | | | |

ROYALTY STATEMENT

| S/N | Material Name | Qty | Unit | Royalty Rate | Amount |
|-------------------------------|----------------------|----------------|-------------|---------------------|-----------------|
| 1 | BRM025 | 89.32536254417 | 1 Cum | 75.25 | 6721.7335314488 |
| 2 | BRM029 | 28.6848 | 1 Cum | 75.25 | 2158.5312 |
| 3 | BRM075 | 90.387 | 1 Cum. | 279.5 | 25263.1665 |
| Total: 34143.431231449 | | | | | |

ADDITION COMPONENT

| Sl.No. | Item Name | Amount (in Rs.) |
|---|---|------------------------|
| 1 | Provision for Contingency @ Rs. 1000 | Rs. 1000 |
| 2 | Display Citizen Board @ Rs. 3000 | Rs. 3000 |
| Total Addition Component Amount (in Rs.): 4000 | | |

Total Net Amount (in Rs.): 299600.60321107