

| ESTIMATION DPR | | | | | | | |
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| State | Odisha | District | Kandhamal | Block | K.Nuagan | Gram Panchayat | Kudutuli |

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| Work Code | OD/359/3426/118928/416859/00017441 (Improvement of road from RD Road to Gajurighati via Kiraketa of Kudutuli GP) |
| Project Category | Road |

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| Financial Year | 2024-25 | Execution Level | PS |
| Executing Agency | Panchayat Samiti, K.Nuagan | Proposal Date | - |
| Date of Commencement | 03-06-2025 | Date of Completion | 05-11-2025 |
| Scheme Name | 5th SFC Grant in Aid | Scheme Component Name | All Weather Connectivity |
| Project Sub-Category | CC Road | Project Type | Upgradation or Improvement |
| Name of Executant | Priyanka Patro | | |

Administrative Approval Details

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| Approval No. | OD/359/3426/118928/416859/00017441/AS |
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Technical Sanction Details

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| Technical Sanction No. | OD/359/3426/118928/416859/00017441/TS |
| Fund Sanction No. | |
| Fund Sanction Amount (in Rs.) | 900000 |

ROYALTY STATEMENT

| Sl.No. | Activity Name/Material | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit |
|--------|---|---|---------------------------|------|
| 1 | Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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 | - | 47.8575 | Cum |

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| 2 | Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed - 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. | - | 5.535 | Cum |
| i) | BRM029 : Sand for filling and road blinding | 1 | 5.535 | 1 Cum |
| 3 | Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - 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&P required for the work etc. complete and as per direction of Engineer-in charge. | - | 40.902 | Cum |
| i) | BRM340 : Cement | 2.29 | 93.66558 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.48 | 19.63296 | 1 Cum |
| iii) | BRM045 : Granite Stone broken metal 40mm. size (Hand broken) | 0.96 | 39.26592 | 1 Cum. |

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| 4 | R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering) | - | 6.039 | Cum |
| i) | BRM340 : Cement | 3.4733 | 20.9752587 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.45 | 2.71755 | 1 Cum |
| iii) | BRM060 : 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 | 2.17404 | 1 Cum. |
| iv) | BRM052 : 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 | 3.26106 | 1 Cum. |

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| 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. | - | 6.04 | Qntl |
| i) | BRM341 : Steel | 1.05 | 6.342 | 1 Qntl. |
| 6 | R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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 | - | 65.85 | Sqm |
| i) | BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.00267 | 0.1758195 | 1Cum. |
| ii) | BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.000614 | 0.0404319 | 1Mtr. |

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| 7 | R.C.C. Work (AR0410k) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling upto 8M span - 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. Work in slab for culverts and Bridges upto 8M span) | - | 29.28 | Sqm |
| i) | BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 0.0092 | 0.269376 | 1Mtr |
| ii) | BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0060266666666667 | 0.1764608 | 1Cum. |
| 8 | Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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. | - | 1.81875 | Cum |
| i) | BRM340 : Cement | 3.23 | 5.8745625 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.45 | 0.8184375 | 1 Cum |
| iii) | BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken) | 0.9 | 1.636875 | 1 Cum. |

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| 9 | <p>Special items for irrigation works(AR0216) .Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p> | - | 7759.2 | Cum |
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| S/N | Material Name | Qty | Unit | Royalty Rate | Amount |
|------------------------------|---------------|------------|--------|--------------|---------------|
| 1 | BRM029 | 5.535 | 1 Cum | 40.25 | 222.78375 |
| 2 | BRM028 | 23.1689475 | 1 Cum | 40.25 | 932.550136875 |
| 3 | BRM045 | 39.26592 | 1 Cum. | 149.5 | 5870.25504 |
| 4 | BRM060 | 2.17404 | 1 Cum. | 149.5 | 325.01898 |
| 5 | BRM052 | 3.26106 | 1 Cum. | 149.5 | 487.52847 |
| 6 | BRM056 | 1.636875 | 1 Cum. | 149.5 | 244.7128125 |
| Total: 8082.849189375 | | | | | |