

ESTIMATION DPR

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|--------------|--------|-----------------|--------|--------------|-----------|-----------------------|----------|
| State | Odisha | District | Ganjam | Block | Chatrapur | Gram Panchayat | Laxmipur |
|--------------|--------|-----------------|--------|--------------|-----------|-----------------------|----------|

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|-------------------------|---|
| Work Code | OD/354/3369/117683/412144/00014076 (Const. of CC/paver road from NH 16 to santosh behera house of anantapur chhak at village Anantapur) |
| Project Category | Road |

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|-----------------------------|-----------------------------|------------------------------|----------------------------------|
| Financial Year | 2023-24 | Execution Level | PS |
| Executing Agency | Panchayat Samiti, Chatrapur | Proposal Date | - |
| Date of Commencement | - | Date of Completion | |
| Scheme Name | 5th SFC Grant in Aid | Scheme Component Name | MAINTENANCE OF ROADS AND BRIDGES |
| Project Sub-Category | CC Road | Project Type | New Work |
| 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. | 6473 |
| Fund Sanction Amount (in Rs.) | 200000 |

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 (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p> | Cum | 27.048 | 240.77592 | 6512.50708416 |
| 2 | <p style="text-align: center;">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.</p> | Cum | 11.04 | 1444.929432 | 15952.02092928 |

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|---|---|-----|--------|---------------|-----------------|
| 3 | <p style="text-align: center;">Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - 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.</p> | Cum | 10.488 | 5987.76783606 | 62799.709064597 |
|---|---|-----|--------|---------------|-----------------|

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|---|---|-----|-------|----------|-------------|
| 4 | <p>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p> | Sqm | 142.6 | 649.6056 | 92633.75856 |
|---|---|-----|-------|----------|-------------|

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|---|--|-----|-------|-----------------|-----------------|
| 5 | 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 | Sqm | 42.32 | 216.23489289764 | 9151.0606674281 |
| Total Amount (in Rs.): 187049.05630547 | | | | | |

LABOUR STATEMENT

| SI.No. | Activity Name | Qty/unit(B=Analysis Basic Qty/HeaderUnit) | Quantity(Measurement Qty) | Unit |
|--------|--|---|---------------------------|------|
| 1 | Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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 | - | 27.048 | Cum |
| i | Un-Skilled | 0.516 | 13.956768 | - |

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|----|---|--------|----------|-----|
| 2 | <p>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.</p> | - | 11.04 | Cum |
| i | Un-Skilled | 0.1236 | 1.364544 | - |
| 3 | <p>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - 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.</p> | - | 10.488 | Cum |
| i | Skilled | 0.18 | 1.88784 | - |
| ii | Un-Skilled | 3.9 | 40.9032 | - |

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|----|--|------|-------|-----|
| 4 | <p>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p> | - | 142.6 | Sqm |
| 5 | <p>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</p> | - | 42.32 | Sqm |
| i | Semi-Skilled | 0.05 | 2.116 | - |
| ii | Skilled | 0.05 | 2.116 | - |

| SI.No. | Labour Type | Qty Unit | Rate | Amount |
|---------------|--------------|-----------|------|---------------------|
| 1 | Un-Skilled | 56.224512 | 462 | 25975.724544 |
| 2 | Skilled | 4.00384 | 562 | 2250.15808 |
| 3 | Semi-Skilled | 2.116 | 512 | 1083.392 |
| Total: | | | | 29309.274624 |

MATERIAL STATEMENT

| SI.No. | Activity Name/Material | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit |
|--------|---|---|---------------------------|-------|
| 1 | Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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 | - | 27.048 | Cum |
| 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. | - | 11.04 | Cum |
| i) | BRM029 : Sand for filling and road blinding | 1 | 11.04 | 1 Cum |

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|------|---|------|---------------|---------|
| 3 | <p>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - 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.</p> | - | 10.488 | Cum |
| i) | BRM340 : Cement | 2.29 | 24.01752 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.48 | 5.03424 | 1 Cum |
| iii) | BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 10.06848 | 1 Cum. |
| 4 | <p>miscellaneous(ARM287) :.Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p> | - | 142.6 | Sqm |
| i) | BRM029 : Sand for filling and road blinding | 0.03 | 4.278 | 1 Cum |

| | | | | |
|-----|---|---------|-----------|-------|
| ii) | BRMM287 : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) | 1 | 142.6 | 1 Sqm |
| 5 | 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 | - | 42.32 | Sqm |
| i) | BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.00267 | 0.1129944 | 1Cum. |
| ii) | BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.126 | 5.33232 | 1Mtr. |

| SI.No. | Material Name | Qty | Unit | Rate | Amount |
|--------|----------------|-----------|---------|-----------|-----------------|
| 1 | BRM029 | 15.318 | 1 Cum | 599.27 | 9179.61786 |
| 2 | BRM340 | 24.01752 | 1 Qntl. | 616.797 | 14813.93428344 |
| 3 | BRM028 | 5.03424 | 1 Cum | 602.64 | 3033.8343936 |
| 4 | BRM044 | 10.06848 | 1 Cum. | 1401.46 | 14110.5719808 |
| 5 | BRMM287 | 142.6 | 1 Sqm | 608.4 | 86757.84 |
| 6 | BRM104 | 0.1129944 | 1Cum. | 58573.086 | 6618.4307087184 |
| 7 | BRM092 | 5.33232 | 1Mtr. | 229.106 | 1221.66650592 |

Total: 135735.89573248

ROYALTY STATEMENT

| S/N | Material Name | Qty | Unit | Royalty Rate | Amount |
|---------------------------|---------------|----------|--------|--------------|------------|
| 1 | BRM029 | 15.318 | 1 Cum | 774.25 | 11859.9615 |
| 2 | BRM028 | 5.03424 | 1 Cum | 774.25 | 3897.76032 |
| 3 | BRM044 | 10.06848 | 1 Cum. | 252.5 | 2542.2912 |
| Total: 18300.01302 | | | | | |

ADDITION COMPONENT

| Sl.No. | Item Name | Amount (in Rs.) |
|--|-------------------------------------|---------------------|
| 1 | Provision for Contingency @ 1% | Rs. 1870.4905630547 |
| 2 | Display Citizen Board @ Rs. 1526 | Rs. 1526 |
| 3 | Any Other Lumpsum @ Rs. 9554.15 | Rs. 9554.15 |
| Total Addition Component Amount (in Rs.): 12950.640563055 | | |

Total Net Amount (in Rs.): 199999.69686852