

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Kalahandi	<b>Block</b>	Dharamagarh	<b>Gram Panchayat</b>	Kadalimunda
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<b>Work Code</b>	OD/358/3410/275646/423975/00017147 (IMPROVEMENT OF ROAD FROM KDALIMUNDA TO CG BORDER)		
<b>Project Category</b>	Road		

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	ps
<b>Executing Agency</b>	Panchayat Samiti, Dharamagarh	<b>Proposal Date</b>	12-07-2024
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	All Weather Connectivity
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	Upgradation or Improvement
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	28963
<b>Fund Sanction Amount (in Rs.)</b>	250000

**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;"><b>Earth Work (AR0102a) :</b>  <b>Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b>  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</p>	Cum	4.612	200.6466	925.3821192
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>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>	Cum	18.703	636.808232	11910.224363096

3	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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	23.145	5297.95147106	122621.08679768
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4	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0403A) : Reinforced cement concrete work of M-15 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b></p> <p>Reinforced cement concrete work of M-15 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	19.71	5302.3221592	104508.76975783
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5	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0410c) :</b>  <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>  - 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  <b>R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</b></p>	Sqm	21.6	216.55039071844	4677.4884395183
<b>Total Amount (in Rs.): 244642.95147733</b>					

### LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b>  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</p>	-	4.612	Cum
i	Un-Skilled	0.43	1.98316	-
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>	-	18.703	Cum
i	Un-Skilled	0.1236	2.3116908	-

3	<b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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.	-	23.145	Cum
i	Un-Skilled	3.9	90.2655	-
ii	Skilled	0.18	4.1661	-

4	<b>R.C.C. Work (AR0403A) :</b> <b>Reinforced cement concrete work of M-15 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b> - Reinforced cement concrete work of M-15 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)	-	19.71	Cum
i	Un-Skilled	1.33	26.2143	-
ii	Semi-Skilled	0.06	1.1826	-
iii	Skilled	0.1	1.971	-

5	<b>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</b>	-	21.6	Sqm
i	Semi-Skilled	0.05	1.08	-
ii	Skilled	0.05	1.08	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	120.7746508	462	55797.8886696
4	Skilled	7.2171	562	4056.0102
3	Semi-Skilled	2.2626	512	1158.4512
<b>Total: 61012.3500696</b>				

## **MATERIAL STATEMENT**

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p><b>Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b></p> <p>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</p>	-	4.612	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>	-	18.703	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	18.703	1 Cum

3	<b>Concrete (AR0303a)</b> <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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.	-	<b>23.145</b>	Cum
i)	<b>BRM340 : Cement</b>	2.29	53.00205	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	11.1096	1 Cum
iii)	<b>BRM045 : Granite Stone broken metal 40mm. size (Hand broken)</b>	0.96	22.2192	1 Cum.

4	<p><b>R.C.C. Work (AR0403A)</b>  <b>:.Reinforced cement concrete work of M-15 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>  - Reinforced cement concrete work of M-15 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	19.71	Cum
i)	<b>BRM340 : Cement</b>	2.8	55.188	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	8.8695	1 Cum
iii)	<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	7.0956	1 Cum.
iv)	<b>BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</b>	0.54	10.6434	1 Cum.

5	<b>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</b>	-	21.6	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.057672	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.7216	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	18.703	1 Cum	478.15	8942.83945
2	<b>BRM340</b>	108.19005	1 Qntl.	611.157	66121.10638785
3	<b>BRM028</b>	19.9791	1 Cum	483.09	9651.703419
4	<b>BRM045</b>	22.2192	1 Cum.	1193.57	26520.170544
5	<b>BRM060</b>	7.0956	1 Cum.	1801.21	12780.665676
6	<b>BRM052</b>	10.6434	1 Cum.	1786.21	19011.347514
7	<b>BRM104</b>	0.057672	1Cum.	58668.206	3383.512776432
8	<b>BRM092</b>	2.7216	1Mtr.	324.226	882.4134816
<b>Total: 147293.75924888</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	18.703	1 Cum	95.25	1781.46075
2	<b>BRM028</b>	19.9791	1 Cum	95.25	1903.009275

3	<b>BRM045</b>	22.2192	1 Cum.	157.5	3499.524
4	<b>BRM060</b>	7.0956	1 Cum.	157.5	1117.557
5	<b>BRM052</b>	10.6434	1 Cum.	157.5	1676.3355
<b>Total: 9977.886525</b>					

### **ADDITION COMPONENT**

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for Contingency @ 1%	Rs. 2446.4295147733
2	Display Citizen Board @ 1%	Rs. 2446.4295147733
3	Any Other Lumpsum @ Rs. 464	Rs. 464
<b>Total Addition Component Amount (in Rs.): 5356.8590295466</b>		

**Total Net Amount (in Rs.): 249999.81050688**