

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Kukudakhandi	Gram Panchayat	Dakhinapur

Work Code	OD/354/3378/117862/412577/00017507 (CONSTRUCTION OF CC CUM PAVER ROAD FROM KUMBHARA SAHI TO ANANTA NAGAR DAKHINAPUR)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kukudakhandi	Proposal Date	31-12-2024
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	CC Road	Project Type	New Work
Name of Executant			

#### Administrative Approval Details

Approval No.	
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#### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	31142
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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  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	7.2	240.77592	1733.586624
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	20.4	804.488432	16411.5640128

3	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	6.44	7143.7167286	46005.535732184
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4	<p><b>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.</b></p>	Sqm	180	630.5826	113504.868
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5	<p style="text-align: center;"><b>Road Work (AR1311i) : Spreading metal for patch or pothole repairs and consolidation with H.R.R. with crusher dust -</b></p> <p>Supplying and spreading metal for patch or pothole repairs and consolidation with H.R.R. or rammers with crusher dust and sand blinding, etc. complete including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and direction of Engineer-in-Charge.</p>	Cum	4.673625	2589.4557915604	12102.145323831
6	<p style="text-align: center;"><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b></p> <p>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>	Sqm	32	216.23489289764	6919.5165727245
<b>Total Amount (in Rs.): 196677.21626554</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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>  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>	-	7.2	Cum
i	Un-Skilled	0.516	3.7152	-
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>	-	20.4	Cum
i	Un-Skilled	0.1236	2.52144	-

3	<b>Concrete (AR0307) :</b> <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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 specificaion and direction of Engineer-in charge.	-	6.44	Cum
i	Un-Skilled	4.6	29.624	-
ii	Skilled	0.68	4.3792	-

4	<p><b>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 -</b>  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>	-	180	Sqm
5	<p><b>Road Work (AR1311i) : Spreading metal for patch or pothole repairs and consolidation with H.R.R. with crusher dust -</b> Supplying and spreading metal for patch or pothole repairs and consolidation with H.R.R. or rammers with crusher dust and sand blinding, etc. complete including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and direction of Engineer-in-Charge.</p>	-	4.673625	Cum
i	Un-Skilled	2.3851590106007	11.147338780919	-

6	<b>R.C.C. Work (AR0410c) : 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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	32	Sqm
i	Semi-Skilled	0.05	1.6	-
ii	Skilled	0.05	1.6	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	47.007978780919	462	21717.686196784
2	Skilled	5.9792	562	3360.3104
3	Semi-Skilled	1.6	512	819.2
<b>Total: 25897.196596784</b>				

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Measurement Qty)	Unit
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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>  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>	-	7.2	Cum
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>	-	20.4	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	20.4	1 Cum
3	<p><b>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	6.44	Cum
i)	<p><b>BRM340 : Cement</b></p>	3.23	20.8012	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.45	2.898	1 Cum

iii)	<b>BRM056</b> : 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	5.796	1 Cum.
4	<b>miscellaneous(ARM287)</b> :.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.	-	180	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	5.4	1 Cum
ii)	<b>BRMM287</b> : 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	180	1 Sqm

5	<b>Road Work (AR1311i)</b> <b>:.Spreading metal for patch or pothole repairs and consolidation with H.R.R. with crusher dust</b> - Supplying and spreading metal for patch or pothole repairs and consolidation with H.R.R. or rammers with crusher dust and sand blinding, etc. complete including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and direction of Engineer-in-Charge.	-	4.673625	Cum
i)	<b>BRM043</b> : Granite Stone broken metal 45mm. size (Passing through 53mm sieve & retained on 26.5mm sieve) (Hand broken)	0.5	2.3368125	1 Cum.
ii)	<b>BRM041</b> : Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	0.5	2.3368125	1 Cum.
iii)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.266925795053	1.2475110689046	1 Cum
iv)	<b>BRM029</b> : Sand for filling and road blinding	0.006	0.02804175	1 Cum
6	<b>R.C.C. Work (AR0410c) :.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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	32	Sqm

i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.08544	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.032	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	25.82804175	1 Cum	534.17	13796.565061597
2	<b>BRM340</b>	20.8012	1 Qntl.	593.232	12339.9374784
3	<b>BRM028</b>	2.898	1 Cum	537.54	1557.79092
4	<b>BRM056</b>	5.796	1 Cum.	1737.73	10071.88308
5	<b>BRMM287</b>	180	1 Sqm	608.4	109512
6	<b>BRM043</b>	2.3368125	1 Cum.	1005.7	2350.13233125
7	<b>BRM041</b>	2.3368125	1 Cum.	1041.99	2434.935256875
8	<b>BRM026</b>	1.2475110689046	1 Cum	454.5	566.99378081714
9	<b>BRM104</b>	0.08544	1Cum.	58573.086	5004.48446784
10	<b>BRM092</b>	4.032	1Mtr.	229.106	923.755392
<b>Total: 158558.47776878</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	25.82804175	1 Cum	205.25	5301.2055691875
2	<b>BRM028</b>	2.898	1 Cum	205.25	594.8145
3	<b>BRM056</b>	5.796	1 Cum.	269.5	1562.022
4	<b>BRM043</b>	2.3368125	1 Cum.	269.5	629.77096875
5	<b>BRM041</b>	2.3368125	1 Cum.	269.5	629.77096875
6	<b>BRM026</b>	1.2475110689046	1 Cum	160.25	199.91364879196
<b>Total: 8917.4976554795</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000
2	Display Citizen Board @ Rs. 1322	Rs. 1322
<b>Total Addition Component Amount (in Rs.): 3322</b>		

**Total Net Amount (in Rs.): 199999.21626554**