

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Rangeilunda	Gram Panchayat	Boxipalli

Work Code	OD/354/3382/117952/412633/00073138 (CONSTRUCTION OF PAVER ROAD FROM OLD UP SCHOOL TO THAKURANI TEMPLE ROAD AT VENKATRAIPUR)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Rangeilunda	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	Pavor Block	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.)	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;"><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	5.22020208	240.77592	1256.8989583979
2	<p style="text-align: center;"><b>Earth Work (AR0115a) :</b>  <b>Filling foundation and plinth with crusher dust well watered and rammed -</b>  Filling foundation and plinth with crusher dust 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	25.856353248	725.132732	18749.288070279

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	10.107115424	7369.54757154	74484.867928214
4	<p style="text-align: center;"><b>R.C.C. 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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	41.38271232	216.39264180804	8954.9144441069

5	<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	257.062601	653.5116	167993.39167967
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**Total Amount (in Rs.): 271439.36108067**

### 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></p> <p>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>	-	5.22020208	Cum
i	Un-Skilled	0.516	2.69362427328	-
2	<p><b>Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed -</b></p> <p>Filling foundation and plinth with crusher dust 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>	-	25.856353248	Cum
i	Un-Skilled	0.1236	3.1958452614528	-

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>	-	10.107115424	Cum
i	Un-Skilled	4.6	46.4927309504	-
ii	Skilled	0.68	6.87283848832	-
4	<p><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</p>	-	41.38271232	Sqm
i	Semi-Skilled	0.05	2.069135616	-
ii	Skilled	0.05	2.069135616	-

5	<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></p> <p>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>	-	257.062601	Sqm
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SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	52.382200485133	462	24200.576624131
2	Skilled	8.94197410432	562	5025.3894466278
3	Semi-Skilled	2.069135616	512	1059.397435392
<b>Total:</b>				<b>30285.363506151</b>

#### MATERIAL STATEMENT

SI.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 (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>	-	5.22020208	Cum
2	<p><b>Earth Work (AR0115a) :.Filling foundation and plinth with crusher dust well watered and rammed -</b>  Filling foundation and plinth with crusher dust 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>	-	25.856353248	Cum
i)	<p><b>BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve</b></p>	1	25.856353248	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>	-	10.107115424	Cum

i)	<b>BRM340</b> : Cement	3.23	32.64598281952	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.5482019408	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	9.0964038816	1 Cum.
4	<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>	-	<b>41.38271232</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1104918418944	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.21422175232	1Mtr.

5	miscellaneous(ARM28 7) :.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.	-	257.062601	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	7.71187803	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	257.062601	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM026</b>	25.856353248	1 Cum	519.6	13434.961147661
2	<b>BRM340</b>	32.64598281952	1 Qntl.	598.442	19536.727250479
3	<b>BRM028</b>	4.5482019408	1 Cum	732.84	3333.1043102959
4	<b>BRM056</b>	9.0964038816	1 Cum.	1802.83	16399.269809865
5	<b>BRM104</b>	0.1104918418944	1Cum.	58620.646	6477.1031495796
6	<b>BRM092</b>	5.21422175232	1Mtr.	276.666	1442.5978753274
7	<b>BRM029</b>	7.71187803	1 Cum	729.47	5625.5836665441

8	BRMM287	257.062601	1 Sqm	608.4	156396.8864484
					<b>Total: 222646.23365815</b>

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM026	25.856353248	1 Cum	141.25	3652.20989628
2	BRM028	4.5482019408	1 Cum	774.25	3521.4453526644
3	BRM056	9.0964038816	1 Cum.	250.5	2278.6491723408
4	BRM029	7.71187803	1 Cum	774.25	5970.9215647275
					<b>Total: 15423.225986013</b>

### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1000	Rs. 1000
2	Any Other Lumpsum @ Rs. 27560.5	Rs. 27560.5
		<b>Total Addition Component Amount (in Rs.): 28560.5</b>

**Total Net Amount (in Rs.): 299999.86108067**