

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Panchayat	Bhusukudi

Work Code	OD/353/3357/117441/414694/00013385 (Maintenance of Road from RD road to Govt. High School, Bhuskudi)						
Project Category	Road						

Financial Year	2023-24	Execution Level	Bhusukudi, G.P
Executing Agency	Panchayat Samiti, Gosani	Proposal Date	20-07-2023
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	Repair and Maintenance
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	15598
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 (AR0102a1) : Earthwork in hard soil or gravelly soil within 50m to 75m lead and 1.5m, initial lift -</b></p> <p>Earthwork in hard soil or gravelly soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	Cum	40.5	209.9992	8504.9676
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2	<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 and as per direction of Engineer-in charge.</p>	Cum	9.992	6251.21246876	62462.11498785
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3	<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 centering 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	54	215.22489289764	11622.144216473
4	<p style="text-align: center;"><b>Earth</b></p> <p><b>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	13.95	982.989772	13712.7073194

5	<p style="text-align: center;"><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>	Cum	6.975	862.052372	6012.8152947
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6	<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	139.5	632.3295	88209.96525
<b>Total Amount (in Rs.): 190524.71466842</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Quantity (A)	Unit	Un-Skilled	Skilled	Semi-Skilled
				<b>RS.452/-</b>	<b>RS.552/-</b>	<b>RS.502/-</b>

Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)				
1	Earth Work (AR0102 a1) : Earthwork in hard soil or gravelly soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in hard soil or gravelly soil within 50m to 75m 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 direction of the Engineer-in-charge.	40.5	Cubic Meter	0.46	18.63	-	-	-	-

2	<p><b>Concrete</b></p> <p><b>(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 and as per direction of Engineer-in charge.</p>	9.992	Cubic Meter	4.6	45.9632	-	-	0.68	6.79456
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3	<b>R.C.C. Work (AR0410 c) :</b> <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b> - Rigid and smooth centering 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	54	Square Meter	-	-	0.05	2.7	0.05	2.7
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4	<b>Earth Work (AR0115 a) :</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 & P required for the work etc. complete and as per direction of Engineer-in charge.	13.95	Cubic Meter	0.1236	1.72422	-	-	-	-
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5	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	6.975	Cubic Meter	0.1236	0.86211	-	-	-	-
<b>Total Qty</b>				<b>67.17953</b>	<b>9.49456</b>	<b>2.7</b>			
<b>Rate Per Man Day</b>				<b>452</b>	<b>552</b>	<b>502</b>			
<b>Total Amount</b>				<b>30365.14756</b>	<b>5240.99712</b>	<b>1355.4</b>			
<b>Total Labour Amount (in Rs.): 36961.54468</b>									

## **MATERIAL STATEMENT**

<b>Sl.No.</b>	<b>Activity Name/Material</b>	<b>Qty/unit (B=Analysis Basic Qty/Header Unit)</b>	<b>Quantity (Meaurement Qty)</b>	<b>Unit</b>
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1	<p><b>Earth Work (AR0102a1)</b>  <b>:.Earthwork in hard soil or gravelly soil within 50m to 75m lead and 1.5m, initial lift</b> - Earthwork in hard soil or gravelly soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	-	40.5	Cum
2	<p><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 and as per direction of Engineer-in charge.</p>	-	9.992	Cum
i)	<b>BRM340 : Cement</b>	3.23	32.27416	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	4.4964	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	8.9928	1 Cum.
3	<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 centering 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	-	54	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.14418	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.804	1Mtr.

4	<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>	-	13.95	Cum
i)	<p><b>BRM026 :</b> Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve</p>	1	13.95	1 Cum
5	<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>	-	6.975	Cum
i)	<p><b>BRM029 :</b> Sand for filling and road blinding</p>	1	6.975	1 Cum

6	miscellaneous(ARM 287) :.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.	-		139.5	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03		4.185	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		139.5	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	32.27416	1 Qntl.	324.872	10484.97090752

2	<b>BRM028</b>	4.4964	1 Cum	483.09	2172.165876
3	<b>BRM056</b>	8.9928	1 Cum.	1867.93	16797.920904
4	<b>BRM104</b>	0.14418	1Cum.	58573.086	8445.06753948
5	<b>BRM092</b>	6.804	1Mtr.	229.106	1558.837224
6	<b>BRM026</b>	13.95	1 Cum	607.64	8476.578
7	<b>BRM029</b>	11.16	1 Cum	478.15	5336.154
8	<b>BRMM287</b>	139.5	1 Sqm	608.4	84871.8
<b>Total: 138143.494451</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	4.4964	1 Cum	319.5	1436.5998
2	<b>BRM056</b>	8.9928	1 Cum.	419	3767.9832
3	<b>BRM026</b>	13.95	1 Cum	309.75	4321.0125
4	<b>BRM029</b>	11.16	1 Cum	319.5	3565.62
<b>Total: 13091.2155</b>					

## ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1905.2471466842
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 2570	Rs. 2570
<b>Total Addition Component Amount (in Rs.): 9475.2471466842</b>		

**Total Net Amount (in Rs.): 199999.96181511**