

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Panchayat	Labanyagada
Work Code	OD/353/3357/117450/414950/00013371 (Improvement of road with CC/Gr.II Metalling from main road to river icw MGNREGS of GP Labanyagada)						
Project Category	Road						
Financial Year	2023-24		Execution Level		Labanyagada, G.P		
Executing Agency	Panchayat Samiti, Gosani		Proposal Date		16-02-2024		
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		Upgradation or Improvement		
Name of Executant	MAMATA KUMARI SWAIN						

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	3781
Fund Sanction Amount (in Rs.)	500000

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 (AR0103aa) : Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m -</p> <p>Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	Cum	78.480003356934	367.3707744	28831.259608151
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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	42.51	1059.305372	45031.07136372
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	21.753000259399	5315.92537248	115637.32600651

4	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	130.80000305176	215.69813962884	28213.317321711
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5	<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	424.8	638.1885	271102.4748
Total Amount (in Rs.): 488815.44910009					

LABOUR STATEMENT

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

Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)
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1	<p>Earth Work (AR0103 aa) : Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m -</p> <p>Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.014cum</p>	78.48000 3356934	Cubic Meter	0.80472	63.15442 8301392	-	-	-	-
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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.	42.51	Cubic Meter	0.1236	5.254236	-	-	-	-
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3	<p>Concrete</p> <p>(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>	21.75300 0259399	Cubic Meter	3.9	84.83670 1011658	-	-	0.18	3.915540 0466919
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4	R.C.C. Work (AR0410 c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	130.8000 0305176	Square Meter	-	-	0.05	6.540000 1525879	0.05	6.540000 1525879
Total Qty				153.24536531305		10.45554019928		6.5400001525879	
Rate Per Man Day				452		552		502	
Total Amount				69266.905121498		5771.4581900024		3283.0800765991	
Total Labour Amount (in Rs.): 78321.4433881									

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0103aa) :.Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m</p> <p>- Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	78.480003356934	Cum
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>	-	42.51	Cum
i)	BRM029 : Sand for filling and road blinding	1	42.51	1 Cum

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>	-	21.753000259399	Cum
i)	BRM340 : Cement	2.29	49.814370594025	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	10.441440124512	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	20.882880249023	1 Cum.
4	<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 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>	-	130.80000305176	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.34923600814819	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	16.480800384521	1Mtr.
5	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.	-	424.8	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	12.744	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	424.8	1 Sqm
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	55.254	1 Cum	673.45	37210.8063
2	BRM340	49.814370594025	1 Qntl.	348.652	17367.879936348
3	BRM028	10.441440124512	1 Cum	678.39	7083.3685660675
4	BRM044	20.882880249023	1 Cum.	1596.76	33344.947866431
5	BRM104	0.3492360081481 9	1Cum.	58715.766	20505.659733203
6	BRM092	16.480800384521	1Mtr.	371.786	6127.3308517597
7	BRMM287	424.8	1 Sqm	608.4	258448.32
Total: 380088.31325381					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	55.254	1 Cum	319.5	17653.653
2	BRM028	10.441440124512	1 Cum	319.5	3336.0401197815
3	BRM044	20.882880249023	1 Cum.	419	8749.9268243408
Total: 29739.619944122					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 4888.1544910009

2	Display Citizen Board @ Rs. 4500	Rs. 4500
3	Any Other Lumpsum @ Rs. 1796	Rs. 1796
Total Addition Component Amount (in Rs.): 11184.154491001		

Total Net Amount (in Rs.): 499999.60359109