

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Panchayat	Labanyagada
Work Code	OD/353/3357/117450/414950/00013370 (Construction of CC road at Relli Sahi, Labanyagad icw MGNREGS)						
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		New Work		
Name of Executant							

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	3781
Fund Sanction Amount (in Rs.)	326931

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	54	367.3707744	19838.0218176
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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	21.14999961853	1059.305372	22404.308213707
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	15.277500152588	5315.92537248	81214.050689209

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	105	216.01363744964	22681.431932212
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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	273.75	638.1885	174704.101875
Total Amount (in Rs.): 320841.91452773					

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>	54	Cubic Meter	0.80472	43.45488	-	-	-	-
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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.	21.14999 961853	Cubic Meter	0.1236	2.614139 9528503	-	-	-	-
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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>	15.27750 0152588	Cubic Meter	3.9	59.58225 0595093	-	-	0.18	2.749950 0274658
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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	105	Square Meter	-	-	0.05	5.25	0.05	5.25
Total Qty				105.65127054794		7.9999500274658			5.25
Rate Per Man Day				452		552			502
Total Amount				47754.37428767		4415.9724151611			2635.5
Total Labour Amount (in Rs.): 54805.846702831									

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>	-	54	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>	-	21.14999961853	Cum
i)	BRM029 : Sand for filling and road blinding	1	21.14999961853	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>	-	15.277500152588	Cum
i)	BRM340 : Cement	2.29	34.985475349426	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.3332000732422	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	14.666400146484	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>	-	105	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.28035	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	13.23	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.	-	273.75	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	8.2125	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	273.75	1 Sqm
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	29.36249961853	1 Cum	673.45	19774.175368099
2	BRM340	34.985475349426	1 Qntl.	348.652	12197.755951528
3	BRM028	7.3332000732422	1 Cum	678.39	4974.7695976868
4	BRM044	14.666400146484	1 Cum.	1596.76	23418.7210979
5	BRM104	0.28035	1Cum.	58810.886	16487.6318901
6	BRM092	13.23	1Mtr.	466.906	6177.16638
7	BRMM287	273.75	1 Sqm	608.4	166549.5
Total: 249579.72028531					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	29.36249961853	1 Cum	319.5	9381.3186281204
2	BRM028	7.3332000732422	1 Cum	319.5	2342.9574234009
3	BRM044	14.666400146484	1 Cum.	419	6145.221661377
Total: 17869.497712898					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3208.4191452773
2	Display Citizen Board @ Rs. 2880	Rs. 2880

Total Addition Component Amount (in Rs.): 6088.4191452773

Total Net Amount (in Rs.): 326930.33367301