

ESTIMATION DPR

State	Odisha	District	Ganjam	Block	Buguda	Gram Panchayat	Kalamba
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Work Code	OD/354/3368/117664/410449/00062137 (Construction of CC/Paver Road Sunakera RD Road to Primary school)
Project Category	Road

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Buguda	Proposal Date	-
Date of Commencement	04-11-2025	Date of Completion	15-11-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	Pavor Block	Project Type	New Work
Name of Executant	Prasan Kumar Sahu		

Administrative Approval Details

Approval No.	OD/354/3368/117664/410449/00062137/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3368/117664/410449/00062137/TS
Fund Sanction No.	7723
Fund Sanction Amount (in Rs.)	143704

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Earth Work (AR0122Ai16) : Earthwork in all kinds of soil within 50m lead, with four extra lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth - Earthwork in all kinds of soil within 50m lead, with four extra 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	2.2218	297.48611508	4177.6581307824
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>	Cum	15.33	672.986432	4177.6581307824

3	<p>Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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	2.2218	4969.58586848	4177.6581307824
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4	<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	181.57	626.6766	4177.6581307824
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5	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	Sqm	19.32	216.23489289764	4177.6581307824
Total Amount (in Rs.): 139982.59092842					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0122Ai16) : Earthwork in all kinds of soil within 50m lead, with four extra lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth - Earthwork in all kinds of soil within 50m lead, with four extra 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.	-	2.2218	Cum
i	Un-Skilled	0.637534	1.4164730412	-

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.	-	15.33	Cum
i	Un-Skilled	0.1236	1.894788	-
3	Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	2.2218	Cum
i	Un-Skilled	3.9	8.66502	-
ii	Skilled	0.18	0.399924	-

4	<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 -</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>	-	181.57	Sqm
5	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</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>	-	19.32	Sqm
i	Semi-Skilled	0.05	0.966	-
ii	Skilled	0.05	0.966	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	11.9762810412	462	5533.0418410344
1	Skilled	1.365924	562	767.649288
2	Semi-Skilled	0.966	512	494.592
Total: 6795.2831290344				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0122Ai16) :.Earthwork in all kinds of soil within 50m lead, with four extra lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth - Earthwork in all kinds of soil within 50m lead, with four extra 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.	-	2.2218	Cum
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.	-	15.33	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.33	1 Cum

3	<p>Concrete (AR0304) :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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>	-	2.2218	Cum
i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.132928	1 Cum.
ii)	BRM340 : Cement	1.72	3.821496	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.066464	1 Cum
4	<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>	-	181.57	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	5.4471	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	181.57	1 Sqm
5	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	-	19.32	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0515844	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.43432	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	20.7771	1 Cum	403.97	8393.325087
2	BRM044	2.132928	1 Cum.	1336.36	2850.35966208
3	BRM340	3.821496	1 Qntl.	593.017	2266.212093432
4	BRM028	1.066464	1 Cum	407.34	434.41344576
5	BRMM287	181.57	1 Sqm	608.4	110467.188
6	BRM104	0.0515844	1Cum.	58573.086	3021.4574974584
7	BRM092	2.43432	1Mtr.	229.106	557.71731792

Total: 127990.67310365

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0122Ai16) :.Earthwork in all kinds of soil within 50m lead, with four extra lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth - Earthwork in all kinds of soil within 50m lead, with four extra 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>	-	2.2218	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>	-	15.33	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.33	1 Cum

3	<p>Concrete (AR0304) :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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>	-	2.2218	Cum
i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.132928	1 Cum.
ii)	BRM340 : Cement	1.72	3.821496	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.066464	1 Cum
4	<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>	-	181.57	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	5.4471	1 Cum

5	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	-	19.32	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0515844	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.01186248	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	20.7771	1 Cum	205.25	4264.499775
2	BRM044	2.132928	1 Cum.	254.75	543.363408
3	BRM028	1.066464	1 Cum	205.25	218.891736
Total: 5026.754919					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1399.8259092842
2	Display Citizen Board @ Rs. 1000	Rs. 1000
3	Any Other Lumpsum @ Rs. 1321	Rs. 1321
Total Addition Component Amount (in Rs.): 3720.8259092842		

Total Net Amount (in Rs.): 143703.4168377