

ESTIMATION DPR

State	Odisha	District	Nabarangpur	Block	Nabarangpur	Panchayat	Basini
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Work Code	OD/366/3517/120490/427816/00013548 (Const.of CC Road at Dumarmunda Dharani sahi)		
Project Category	Road		

Financial Year	2023-24	Execution Level	Basini, G.P
Executing Agency	Panchayat Samiti, Nabarangpur	Proposal Date	25-06-2023
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	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	13737
Fund Sanction Amount (in Rs.)	143788

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 (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & 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	18.63	235.564	4388.55732
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	12.42	514.259	6387.09678

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>	Cum	12.42	5159.37	64079.3754
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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	13.8	215.383	2972.2854
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1	<p>Earth Work (AR0102 aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift</p> <p>- Earth work in hard soil or gravelly soil foundation & 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>	18.63	Cubic Meter	0.516	9.61308	-	-	-	-
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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>	12.42	Cubic Meter	0.1236	1.535112	-	-	-	-
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3	<p>Concrete</p> <p>(AR0303) :</p> <p>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</p> <p>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>	12.42	Cubic Meter	3.9	48.438	-	-	0.18	2.2356
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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	13.8	Square Meter	-	-	0.05	0.69	0.05	0.69
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5	<p>Concrete</p> <p>(AR0307) : Cement concrete (1:2:4) with 12mm size hard broken granite chips per 1cum - 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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	8.694	Cubic Meter	4.6	39.9924	-	-	0.68	5.91192
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Total Qty	99.578592	8.83752	0.69
Rate Per Man Day	452	552	502
Total Amount	45009.523584	4878.31104	346.38
Total Labour Amount (in Rs.): 50234.214624			

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	12.42	Cum
i)	BRM029 : Sand for filling and road blinding	1	12.42	1 Cum
2	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.	-	12.42	Cum

i)	BRM340 : Cement	2.29	28.4418	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.9616	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.9232	1 Cum.
3	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	-	13.8	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.036846	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.7388	1Mtr.

4	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	8.694	Cum
i)	BRM340 : Cement	3.23	28.08162	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.9123	1 Cum
iii)	BRM056 : 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	7.8246	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	12.42	1 Cum	413.05	5130.081
2	BRM340	28.4418	1 Qntl.	552.612	15717.2799816
3	BRM028	5.9616	1 Cum	417.24	2487.417984
4	BRM044	11.9232	1 Cum.	1336.36	15933.687552
5	BRM104	0.036846	1Cum.	58620.646	2159.936322516
6	BRM092	1.7388	1Mtr.	276.666	481.0668408
7	BRM340	28.08162	1 Qntl.	552.612	15518.24019144
8	BRM028	3.9123	1 Cum	417.24	1632.368052

9	BRM056	7.8246	1 Cum.	1737.73	13597.042158
					Total: 72657.120082356

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	12.42	1 Cum	40.25	499.905
2	BRM028	5.9616	1 Cum	40.25	239.9544
3	BRM044	11.9232	1 Cum.	149.5	1782.5184
4	BRM028	3.9123	1 Cum	40.25	157.470075
5	BRM056	7.8246	1 Cum.	149.5	1169.7777
					Total: 3849.625575

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1359.2079678
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 3507	Rs. 3507
		Total Addition Component Amount (in Rs.): 7866.2079678

Total Net Amount (in Rs.): 143787.0047478