

ESTIMATION DPR

State	Odisha	District	Puri	Block	Gop	Gram Panchayat	Desthali
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Work Code	OD/369/3539/120937/409390/00053357 (CONSTRUCTION OF CC ROAD FROM PWD ROAD TO SIMULI, VILLAGE OTARA)
Project Category	Road

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Gop	Proposal Date	15-07-2021
Date of Commencement	08-10-2025	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	LOJISMITA MOHAPATRO		

Administrative Approval Details

Approval No.	OD/369/3539/120937/409390/00053357/AS
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Technical Sanction Details

Technical Sanction No.	OD/369/3539/120937/409390/00053357/TS
Fund Sanction No.	11088
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	0.3	6292.439582	6919.5165727245
2	<p>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 as per specifcaion and direction of Engineer-in charge.</p>	Cum	48	8008.456448	6919.5165727245

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 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	32	216.23489289764	6919.5165727245
Total Amount (in Rs.): 393213.15795132					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	0.3	Cum
i	Un-Skilled	3.9	1.17	-

	ii	Skilled	0.18	0.054	-
2		<p>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 as per specificaion and direction of Engineer-in charge.</p>	-	48	Cum
	i	Un-Skilled	4.6	220.8	-
	ii	Skilled	0.68	32.64	-
3		<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 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>	-	32	Sqm
	i	Semi-Skilled	0.05	1.6	-

ii	Skilled	0.05	1.6	-
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SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	221.97	462	102550.14
1	Skilled	34.294	562	19273.228
2	Semi-Skilled	1.6	512	819.2
Total: 122642.568				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	0.3	Cum
i)	BRM340 : Cement	2.29	0.687	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.144	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	0.288	1 Cum.

2	<p>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 as per specifaion and direction of Engineer-in charge.</p>	-	48	Cum
i)	BRM340 : Cement	3.23	155.04	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	21.6	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	43.2	1 Cum.
3	<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 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>	-	32	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.08544	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.032	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	155.727	1 Qntl.	595.832	92787.129864
2	BRM028	21.744	1 Cum	780.67	16974.88848
3	BRM045	0.288	1 Cum.	1971.27	567.72576
4	BRM056	43.2	1 Cum.	2580.53	111478.896
5	BRM104	0.08544	1Cum.	58573.086	5004.48446784
6	BRM092	4.032	1Mtr.	229.106	923.755392
Total: 227736.87996384					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	0.3	Cum
i)	BRM340 : Cement	2.29	0.687	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.144	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	0.288	1 Cum.

2	<p>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 as per specifaion and direction of Engineer-in charge.</p>	-	48	Cum
i)	BRM340 : Cement	3.23	155.04	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	21.6	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	43.2	1 Cum.
3	<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 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>	-	32	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.08544	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.019648	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	21.744	1 Cum	75.25	1636.236
2	BRM045	0.288	1 Cum.	309.5	89.136
3	BRM056	43.2	1 Cum.	309.5	13370.4
Total: 15095.772					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 2786	Rs. 2786
Total Addition Component Amount (in Rs.): 6786		

Total Net Amount (in Rs.): 399999.15795132