

ESTIMATION DPR							
State	Odisha	District	Puri	Block	Gop	Gram Panchayat	Desthali

Work Code	OD/369/3539/120937/409390/00061215 (Repair & Maint. of CC road at N.N road Pramesh Mohapatra house to Otara Padma Pokhari)
Project Category	Road

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Gop	Proposal Date	15-03-2024
Date of Commencement	24-10-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	MAINTENANCE OF ROADS AND BRIDGES
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant	LOJISMITA MOHAPATRO		

Administrative Approval Details

Approval No.	OD/369/3539/120937/409390/00061215/AS
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Technical Sanction Details

Technical Sanction No.	OD/369/3539/120937/409390/00061215/TS
Fund Sanction No.	100000
Fund Sanction Amount (in Rs.)	100000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	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	Cum	1.035	240.77592	1741.9607665547
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.	Cum	7.015	539.302832	1741.9607665547

3	Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hard Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hard 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.	Cum	8.05	6292.439582	1741.9607665547
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 as per specifcaion and direction of Engineer-in charge.	Cum	5.26125	7986.722258	1741.9607665547

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	8.05	216.39264180804	1741.9607665547
Total Amount (in Rs.): 98448.654325237					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	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	-	1.035	Cum
i	Un-Skilled	0.516	0.53406	-

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.	-	7.015	Cum
i	Un-Skilled	0.1236	0.867054	-
3	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.	-	8.05	Cum
i	Un-Skilled	3.9	31.395	-
ii	Skilled	0.18	1.449	-

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 as per specificaion and direction of Engineer-in charge.	-	5.26125	Cum
i	Un-Skilled	4.6	24.20175	-
ii	Skilled	0.68	3.57765	-
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	-	8.05	Sqm
i	Semi-Skilled	0.05	0.4025	-
ii	Skilled	0.05	0.4025	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	56.997864	462	26333.013168
1	Skilled	5.42915	562	3051.1823
2	Semi-Skilled	0.4025	512	206.08
				Total: 29590.275468

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	1.035	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.	-	7.015	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.015	1 Cum

3	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.	-	8.05	Cum
i)	BRM340 : Cement	2.29	18.4345	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.864	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	7.728	1 Cum.
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 as per specifcaion and direction of Engineer-in charge.	-	5.26125	Cum
i)	BRM340 : Cement	3.23	16.9938375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.3675625	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	4.735125	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	-	8.05	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0214935	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.0143	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.015	1 Cum	401.61	2817.29415
2	BRM340	35.4283375	1 Qntl.	595.832	21109.3371893
3	BRM028	6.2315625	1 Cum	780.67	4864.793896875
4	BRM045	7.728	1 Cum.	1971.27	15233.97456
5	BRM056	4.735125	1 Cum.	2556.62	12105.9152775
6	BRM104	0.0214935	1Cum.	58620.646	1259.962854801
7	BRM092	1.0143	1Mtr.	276.666	280.6223238

Total: 57671.900252276

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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	-	1.035	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.	-	7.015	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.015	1 Cum
3	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.	-	8.05	Cum
i)	BRM340 : Cement	2.29	18.4345	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.864	1 Cum

iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	7.728	1 Cum.
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 as per specificaion and direction of Engineer-in charge.	-	5.26125	Cum
i)	BRM340 : Cement	3.23	16.9938375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.3675625	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	4.735125	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	-	8.05	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0214935	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.0049427	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.015	1 Cum	75.25	527.87875
2	BRM028	6.2315625	1 Cum	75.25	468.925078125
3	BRM045	7.728	1 Cum.	309.5	2391.816
4	BRM056	4.735125	1 Cum.	309.5	1465.5211875
					Total: 4854.141015625

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1000	Rs. 1000
2	Display Citizen Board @ Rs. 550	Rs. 550
		Total Addition Component Amount (in Rs.): 1550

Total Net Amount (in Rs.): 99998.654325237