

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Baranga	Gram Panchayat	Dadhapatna

Work Code	OD/350/3336/116936/907103/00016935 (Maint. & Imp. of Road with CC/ Gr-II Metalling from Station Bazar Level Crossing to Kanak Durga Temple)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Baranga	Proposal Date	-
Date of Commencement	05-06-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	Mettalling Road	Project Type	Repair and Maintenance
Name of Executant	Santosh Kumar Patra		

Administrative Approval Details

Approval No.	OD/350/3336/116936/907103/00016935/AS
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Technical Sanction Details

Technical Sanction No.	OD/350/3336/116936/907103/00016935/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	186532

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<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>	Cum	23.099712768	7484.88570122	8094.1861351546
2	<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>	Sqm	12.63109188	216.23489289764	8094.1861351546

3	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.	Cum	1.3592064	5955.08241806	8094.1861351546
Total Amount (in Rs.): 183724.1787345					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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 specification and direction of Engineer-in charge.	-	23.099712768	Cum

	i	Un-Skilled	4.6	106.2586787328	-
	ii	Skilled	0.68	15.70780468224	-
2		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	-	12.63109188	Sqm
	i	Semi-Skilled	0.05	0.631554594	-
	ii	Skilled	0.05	0.631554594	-
3		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.	-	1.3592064	Cum

i	Skilled	0.18	0.244657152	-
ii	Un-Skilled	3.9	5.30090496	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	111.5595836928	462	51540.527666074
1	Skilled	16.58401642824	562	9320.2172326709
2	Semi-Skilled	0.631554594	512	323.355952128
Total: 61184.100850872				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	23.099712768	Cum
i)	BRM340 : Cement	3.23	74.61207224064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.3948707456	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	20.7897414912	1 Cum.
2	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	-	12.63109188	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0337250153196	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.59151757688	1Mtr.
3	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.	-	1.3592064	Cum
i)	BRM340 : Cement	2.29	3.112582656	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.652419072	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.304838144	1 Cum.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	77.72465489664	1 Qntl.	563.767	43818.595517114
2	BRM028	11.0472898176	1 Cum	417.99	4617.6566708586
3	BRM056	20.7897414912	1 Cum.	2319.71	48226.171234552
4	BRM104	0.0337250153196	1Cum.	58573.086	1975.3782226662
5	BRM092	1.59151757688	1Mtr.	229.106	364.62622596867
6	BRM044	1.304838144	1 Cum.	1891.11	2467.5924624998
Total: 101470.02033366					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	23.099712768	Cum
i)	BRM340 : Cement	3.23	74.61207224064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.3948707456	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	20.7897414912	1 Cum.

2	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	-	12.63109188	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0337250153196	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.00775549041432	1Mtr.
3	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.	-	1.3592064	Cum
i)	BRM340 : Cement	2.29	3.112582656	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.652419072	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.304838144	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	11.0472898176	1 Cum	190.25	2101.7468877984

2	BRM056	20.7897414912	1 Cum.	259.5	5394.9379169664
3	BRM044	1.304838144	1 Cum.	259.5	338.605498368
					Total: 7835.2903031328

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1837.241787345
2	Display Citizen Board @ Rs. 500	Rs. 500
3	Any Other Lumpsum @ Rs. 470	Rs. 470
		Total Addition Component Amount (in Rs.): 2807.241787345

Total Net Amount (in Rs.): 186531.42052184