

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Baranga	Gram Panchayat	Usuma

Work Code	OD/350/3336/116950/400097/00013257 (Improvement of road from Rice Mill to canal bandh, South Usuma)
Project Category	Road

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Baranga	Proposal Date	-
Date of Commencement	27-11-2025	Date of Completion	19-12-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant	Santosh Kumar Patra		

Administrative Approval Details

Approval No.	OD/350/3336/116950/400097/00013257/AS
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Technical Sanction Details

Technical Sanction No.	OD/350/3336/116950/400097/00013257/TS
Fund Sanction No.	12804
Fund Sanction Amount (in Rs.)	350000

MATERIAL STATEMENT

SI.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	-	4.6935096	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.	-	12.766346112	Cum
i)	BRM029 : Sand for filling and road blinding	1	12.766346112	1 Cum
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.	-	29.475240288	Cum
i)	BRM340 : Cement	2.29	67.49830025952	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	14.14811533824	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	28.29623067648	1 Cum.

4	<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>	-	41.063126	Sqm
i)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.10963854642	1Cum.
ii)	<p>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</p>	0.126	5.173953876	1Mtr.
5	<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>	-	18.7740384	Cum
i)	<p>BRM340 : Cement</p>	3.23	60.640144032	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.45	8.44831728	1 Cum
iii)	<p>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)</p>	0.9	16.89663456	1 Cum.

6	Earth Work (AR0110) :.Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	-	246.378756	Sqm
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	12.766346112	1 Cum	413.05	5273.1392615616
2	BRM340	128.13844429152	1 Qntl.	563.767	72240.226322897
3	BRM028	22.59643261824	1 Cum	417.99	9445.0828700981
4	BRM044	28.29623067648	1 Cum.	2038.31	57676.489950176
5	BRM104	0.10963854642	1Cum.	58573.086	6421.8680083737
6	BRM092	5.173953876	1Mtr.	229.106	1185.3838767149
7	BRM056	16.89663456	1 Cum.	2466.91	41682.47676241

Total: 193924.66705223