

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Gurundia	Gram Panchayat	Kundheidiha

Work Code	OD/373/3577/121585/385038/00026880 (Imp. of Road (CC/ Gr-II Meatling) with culvert at Majhisahi Pada House to Bandhadhipa)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Gurundia	Proposal Date	-
Date of Commencement	30-12-2025	Date of Completion	22-01-2026
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant	Sumanti Kullu		

Administrative Approval Details

Approval No.	OD/373/3577/121585/385038/00026880/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3577/121585/385038/00026880/TS
Fund Sanction No.	1130
Fund Sanction Amount (in Rs.)	330000

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	-	36.792	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.	-	5.841	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.841	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.	-	32.17075	Cum
i)	BRM340 : Cement	2.29	73.6710175	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	15.44196	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	30.88392	1 Cum.

4	R.C.C. Work (AR0404Ag) :.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	5.022	Cum
i)	BRM340 : Cement	3.4733	17.4429126	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.2599	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1.80792	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	2.71188	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	31.2448752	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.2521907784	1Cum.

5	R.C.C. Work (AR0409) :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-		4.99631	Qntl
i)	BRM162 : Binding Wire.	0.8		3.997048	1 Kg.
ii)	BRM341 : Steel	1.05		5.2461255	1 Qntl.
6	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.	-		0.777	Cum
i)	BRM340 : Cement	3.23		2.50971	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45		0.34965	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		0.6993	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM029	5.841	1 Cum	673.45	3933.62145
2	BRM340	93.6236401	1 Qntl.	573.132	53658.704097793
3	BRM028	18.05151	1 Cum	678.39	12245.9638689
4	BRM044	30.88392	1 Cum.	2041.16	63039.0221472
5	BRM060	1.80792	1 Cum.	2435.91	4403.9304072
6	BRM052	2.71188	1 Cum.	2428.2	6584.987016
7	BRM084	31.2448752	1Mtr	250.166	7816.4054492832
8	BRM104	0.2521907784	1Cum.	58573.086	14771.59215163
9	BRM162	3.997048	1 Kg.	90.1	360.1340248
10	BRM341	5.2461255	1 Qntl.	6297.612	33038.062902306
11	BRM056	0.6993	1 Cum.	2442.53	1708.061229
Total: 201560.48474411					