

ESTIMATION DPR							
State	Odisha	District	Jharsuguda	Block	Laikera	Gram Panchayat	Sarangloi

Work Code	OD/357/3407/118558/381224/00039783 (IMPROVEMENT OF ROAD FROM AITAPALI RD ROAD TO NAGRUPATRA ,SARANGLOI)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Laikera	Proposal Date	-
Date of Commencement	28-07-2025	Date of Completion	18-08-2025
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	Diptee Nayak		

Administrative Approval Details

Approval No.	OD/357/3407/118558/381224/00039783/AS
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Technical Sanction Details

Technical Sanction No.	OD/357/3407/118558/381224/00039783/TS
Fund Sanction No.	575
Fund Sanction Amount (in Rs.)	300000

ROYALTY 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	-	23.059689	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.	-	20.56278	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.56278	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.	-	21.8112345	Cum
i)	BRM340 : Cement	2.29	49.947727005	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	10.46939256	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	20.93878512	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.	-	19.387764	Cum
i)	BRM340 : Cement	3.23	62.62247772	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.7244938	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	17.4489876	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	-	21.214644	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.05664309948	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.013025791416	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	20.56278	1 Cum	205	4215.3699
2	BRM028	19.19388636	1 Cum	205	3934.7467038
3	BRM044	20.93878512	1 Cum.	155	3245.5116936
4	BRM056	17.4489876	1 Cum.	155	2704.593078
					Total: 14100.2213754