

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	K.Nuagan	Gram Panchayat	Kudutuli

Work Code	OD/359/3426/118928/416859/00017441 (Improvement of road from RD Road to Gajurighati via Kiraketa of Kudutuli GP)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, K.Nuagan	Proposal Date	-
Date of Commencement	03-06-2025	Date of Completion	05-11-2025
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	Priyanka Patro		

Administrative Approval Details

Approval No.	OD/359/3426/118928/416859/00017441/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3426/118928/416859/00017441/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	900000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	47.8575	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.	-	5.535	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.535	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.	-	40.902	Cum
i)	BRM340 : Cement	2.29	93.66558	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	19.63296	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	39.26592	1 Cum.

4	<p>R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	6.039	Cum
i)	BRM340 : Cement	3.4733	20.9752587	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.71755	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	2.17404	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	3.26106	1 Cum.

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.	-	6.04	Qntl
i)	BRM162 : Binding Wire.	0.8	4.832	1 Kg.
ii)	BRM341 : Steel	1.05	6.342	1 Qntl.
6	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	-	65.85	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1758195	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	8.2971	1Mtr.

7	R.C.C. Work (AR0410k) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling upto 8M span - 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. Work in slab for culverts and Bridges upto 8M span)	-	29.28	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.746666666666667	21.8624	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00602666666666667	0.1764608	1Cum.
8	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.	-	1.81875	Cum
i)	BRM340 : Cement	3.23	5.8745625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.8184375	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	1.636875	1 Cum.

9	<p>Special items for irrigation works(AR0216) .Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p>	-		7759.2	Cum
i)	BRMMR0065 : Add for trimming of slope and bed manually.	1		7759.2	L.S.
ii)	BRMMR0102 : Cost of mechanical excavation per cum without supervision charge for item AR0216	1		7759.2	Cum
iii)	BRMMR0104 : ost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges - AR0216	1		7759.2	Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	5.535	1 Cum	411.11	2275.49385
2	BRM340	120.5154012	1 Qntl.	563.532	67914.285069038
3	BRM028	23.1689475	1 Cum	678.39	15717.582294525
4	BRM045	39.26592	1 Cum.	1128.47	44310.4127424
5	BRM060	2.17404	1 Cum.	2150.38	4675.0121352
6	BRM052	3.26106	1 Cum.	2114	6893.88084

7	BRM162	4.832	1 Kg.	90.1	435.3632
8	BRM341	6.342	1 Qntl.	6718.052	42605.885784
9	BRM104	0.3522803	1Cum.	58573.086	20634.144308006
10	BRM092	8.2971	1Mtr.	229.106	1900.9153926
11	BRM084	21.8624	1Mtr	250.166	5469.2291584
12	BRM056	1.636875	1 Cum.	2128.33	3483.81016875
13	BRMMR0065	7759.2	L.S.	1	7759.2
14	BRMMR0102	7759.2	Cum	25.01	194057.592
15	BRMMR0104	7759.2	Cum	40.49	314170.008
Total: 732302.81494292					