

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Jayapatna	Gram Panchayat	Mangalpur

Work Code	OD/358/3412/118681/424202/00053917 (CONSTRUCTION OF CC ROAD AT KANAKPUR)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Jayapatna	Proposal Date	-
Date of Commencement	22-09-2025	Date of Completion	16-10-2025
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant	SUDEEP KUMAR ROUT		

Administrative Approval Details

Approval No.	OD/358/3412/118681/424202/00053917/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3412/118681/424202/00053917/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	300000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>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</p>	Cum	4.56	240.77592	150033.84567728
2	<p>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.</p>	Cum	20.805	647.009232	150033.84567728

3	<p>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.</p>	Cum	20.805	5622.90321506	150033.84567728
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>	Sqm	68.4	216.39264180804	150033.84567728

5	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.	Cum	20.805	7211.43214022	150033.84567728
Total Amount (in Rs.): 296378.56903323					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	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	-	4.56	Cum

	i	Un-Skilled	0.516	2.35296	-
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.	-	20.805	Cum
	i	Un-Skilled	0.1236	2.571498	-
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.	-	20.805	Cum
	i	Skilled	0.18	3.7449	-
	ii	Un-Skilled	3.9	81.1395	-

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>	-	68.4	Sqm
i	Semi-Skilled	0.05	3.42	-
ii	Skilled	0.05	3.42	-
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>	-	20.805	Cum
i	Un-Skilled	4.6	95.703	-
ii	Skilled	0.68	14.1474	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	181.766958	462	83976.334596
1	Skilled	21.3123	562	11977.5126
2	Semi-Skilled	3.42	512	1751.04
Total:				97704.887196

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	-	4.56	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.	-	20.805	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.805	1 Cum

3	<p>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.</p>	-	20.805	Cum
i)	BRM340 : Cement	2.29	47.64345	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	9.9864	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	19.9728	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>	-	68.4	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.182628	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	8.6184	1Mtr.

5	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.	-	20.805	Cum
i)	BRM340 : Cement	3.23	67.20015	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.36225	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	18.7245	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	20.805	1 Cum	543.25	11302.31625
2	BRM340	114.8436	1 Qntl.	611.157	70187.4700452
3	BRM028	19.34865	1 Cum	548.19	10606.7364435
4	BRM044	19.9728	1 Cum.	1531.66	30591.538848
5	BRM104	0.182628	1Cum.	58620.646	10705.771337688
6	BRM092	8.6184	1Mtr.	276.666	2384.4182544
7	BRM056	18.7245	1 Cum.	1933.03	36195.020235
Total: 171973.27141379					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>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</p>	-	4.56	Cum
2	<p>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.</p>	-	20.805	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.805	1 Cum
3	<p>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.</p>	-	20.805	Cum
i)	BRM340 : Cement	2.29	47.64345	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	9.9864	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	19.9728	1 Cum.
4	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	-	68.4	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.182628	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.0419976	1Mtr.
5	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.	-	20.805	Cum
i)	BRM340 : Cement	3.23	67.20015	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.36225	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	18.7245	1 Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	20.805	1 Cum	40.25	837.40125
2	BRM028	19.34865	1 Cum	40.25	778.7831625
3	BRM044	19.9728	1 Cum.	149.5	2985.9336
4	BRM056	18.7245	1 Cum.	149.5	2799.31275
Total: 7401.4307625					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 0.5%	Rs. 1481.8928451661
2	Display Citizen Board @ Rs. 2139.5	Rs. 2139.5
Total Addition Component Amount (in Rs.): 3621.3928451661		

Total Net Amount (in Rs.): 299999.9618784