

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Bargarh	Panchayat	Kalapani
Work Code	OD/347/3312/116382/380604/00016193 (Improvement Of Road At Kalapani Village)						
Project Category	Road						
Financial Year	2024-25		Execution Level		Kalapani, G.P		
Executing Agency	Panchayat Samiti, Bargarh		Proposal Date		-		
Date of Commencement	-		Date of Completion				
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							

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	682276

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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	17.94	235.56432	4226.0239008
2	<p style="text-align: center;">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	39.39	628.752472	24766.55987208

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	60.45	5348.06270388	323290.39044955
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4	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centering 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	182	215.22489289764	39170.93050737
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1	<p>Earth Work (AR0102 aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift</p> <p>- 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>	17.94	Cubic Meter	0.516	9.25704	-	-	-	-
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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.	39.39	Cubic Meter	0.1236	4.868604	-	-	-	-
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3	<p>Concrete</p> <p>(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>	60.45	Cubic Meter	3.9	235.755	-	-	0.18	10.881
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4	R.C.C. Work (AR0410 c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centering 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	182	Square Meter	-	-	0.05	9.1	0.05	9.1
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5	<p>Concrete</p> <p>(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 and as per direction of Engineer-in charge.</p>	39.52	Cubic Meter	4.6	181.792	-	-	0.68	26.8736
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Total Qty	431.672644	46.8546	9.1
Rate Per Man Day	452	552	502
Total Amount	195116.035088	25863.7392	4568.2
Total Labour Amount (in Rs.): 225547.974288			

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	-	17.94	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.	-	39.39	Cum
i)	BRM029 : Sand for filling and road blinding	1	39.39	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>	-	60.45	Cum
i)	BRM340 : Cement	2.29	138.4305	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	29.016	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	58.032	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 centering 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>	-	182	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.48594	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	22.932	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 and as per direction of Engineer-in charge.	-	39.52	Cum
i)	BRM340 : Cement	3.23	127.6496	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	17.784	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	35.568	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	39.39	1 Cum	401.41	15811.5399
2	BRM340	266.0801	1 Qntl.	558.044	148484.4033244
3	BRM028	46.8	1 Cum	409.04	19143.072

4	BRM044	58.032	1 Cum.	1354.39	78597.96048
5	BRM104	0.48594	1Cum.	58573.086	28463.00541084
6	BRM092	22.932	1Mtr.	229.106	5253.858792
7	BRM056	35.568	1 Cum.	1802.83	64123.05744
Total: 359876.89734724					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	39.39	1 Cum	165.25	6509.1975
2	BRM028	46.8	1 Cum	165.25	7733.7
3	BRM044	58.032	1 Cum.	249.5	14478.984
4	BRM056	35.568	1 Cum.	249.5	8874.216
Total: 37596.0975					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 6645.3858548729
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 6092.01	Rs. 6092.01
Total Addition Component Amount (in Rs.): 17737.395854873		

Total Net Amount (in Rs.): 682275.98134216