

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Rayagada	Panchayat	Pipaliguda
Work Code	OD/370/3557/121274/426560/00016747 (Construction of CC road at Pipalguda)						
Project Category	Road						
Financial Year	2024-25	Execution Level		Pipaliguda, G.P			
Executing Agency	Panchayat Samiti, Rayagada	Proposal Date		-			
Date of Commencement	-	Date of Completion					
Scheme Name	5th SFC Grant in Aid	Scheme Component Name		Maintenance and improvement of Road infrastructure			
Project Sub-Category	CC Road	Project Type		New Work			
Name of Executant							

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	1130
Fund Sanction Amount (in Rs.)	186532

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

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	50.932	235.56432	11997.76194624
2	<p style="text-align: center;">Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed - Filling foundation and plinth with crusher dust 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	10.628	710.794772	7554.326836816

3	<p>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.</p>	Cum	16.46	5194.51153932	85501.659937207
---	--	-----	-------	---------------	-----------------

4	<p>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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	11.6	6611.07729484	76688.496620144
---	--	-----	------	---------------	-----------------

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>	50.932	Cubic Meter	0.516	26.28091 2	-	-	-	-
---	---	--------	-------------	-------	---------------	---	---	---	---

2	Earth Work (AR0115 a) : Filling foundation and plinth with crusher dust well watered and rammed - Filling foundation and plinth with crusher dust 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.	10.628	Cubic Meter	0.1236	1.3136208	-	-	-	-
---	--	--------	-------------	--------	-----------	---	---	---	---

3	<p>Concrete</p> <p>(AR0303 a) :</p> <p>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</p> <p>Cement concrete (1:3:6) with 4 cm. hard granite(H and 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>	16.46	Cubic Meter	3.9	64.194	-	-	0.18	2.9628
---	---	-------	-------------	-----	--------	---	---	------	--------

4	<p>Concrete</p> <p>(AR0307 a) :</p> <p>Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum -</p> <p>Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	11.6	Cubic Meter	4.6	53.36	-	-	0.68	7.888
---	---	------	-------------	-----	-------	---	---	------	-------

5	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	2.9	Square Meter	-	-	0.05	0.145	0.05	0.145
Total Qty				145.1485328		0.145		10.9958	
Rate Per Man Day				452		502		552	
Total Amount				65607.1368256		72.79		6069.6816	
Total Labour Amount (in Rs.): 71749.6084256									

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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>	-	50.932	Cum
2	<p>Earth Work (AR0115a) :.Filling foundation and plinth with crusher dust well watered and rammed - Filling foundation and plinth with crusher dust 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>	-	10.628	Cum
i)	<p>BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve</p>	1	10.628	1 Cum

3	<p>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.</p>	-	16.46	Cum
i)	BRM340 : Cement	2.29	37.6934	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.9008	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	15.8016	1 Cum.
4	<p>Concrete (AR0307a) :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	11.6	Cum

i)	BRM057 : 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)(Hand broken)	0.9	10.44	1 Cum.
ii)	BRM340 : Cement	3.23	37.468	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.22	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 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	-	2.9	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.007743	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.3654	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM026	10.628	1 Cum	607.64	6457.99792
2	BRM340	75.1614	1 Qntl.	571.082	42923.3226348
3	BRM028	13.1208	1 Cum	548.19	7192.691352
4	BRM045	15.8016	1 Cum.	1258.67	19888.999872

5	BRM057	10.44	1 Cum.	1521.31	15882.4764
6	BRM104	0.007743	1Cum.	58715.766	454.636176138
7	BRM092	0.3654	1Mtr.	371.786	135.8506044
Total: 92935.974959338					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM026	10.628	1 Cum	40.25	427.777
2	BRM028	13.1208	1 Cum	40.25	528.1122
3	BRM045	15.8016	1 Cum.	149.5	2362.3392
4	BRM057	10.44	1 Cum.	149.5	1560.78
Total: 4879.0084					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1823.6776994533
2	Display Citizen Board @ Rs. 2340	Rs. 2340
Total Addition Component Amount (in Rs.): 4163.6776994533		

Total Net Amount (in Rs.): 186531.44764478