

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Cuttack	<b>Block</b>	Niali	<b>Gram Panchayat</b>	Anlo
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<b>Work Code</b>	OD/350/3341/117054/400273/00018391 (Const. Of Cc Road From Anlo-1 Canal Bridge To Maheswar Pradhan House)
<b>Project Category</b>	Road

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Niali	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	MAINTENANCE OF ROADS AND BRIDGES
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	1473
<b>Fund Sanction Amount (in Rs.)</b>	550000

**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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	11.0625	240.77592	2663.583615
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	32.3025	576.359732	18617.86024293

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	43.365	5998.16864436	260110.58326267
4	<p style="text-align: center;"><b>R.C.C. Work (AR0401) :</b>  <b>R.C.C work -</b> 'Reinforced cement concrete (1:2:4) work with 12mm 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (To be used for minor repair work only)</p>	Cum	32.3025	7472.82055432	241390.78595592

5	<b>R.C.C. Work (AR0410c) :</b> <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b> - 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	Sqm	79.65	216.39264180804	17235.67392001
<b>Total Amount (in Rs.): 540018.48699653</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b> - 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	-	11.0625	Cum
i	Un-Skilled	0.516	5.70825	-

2	<b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	32.3025	Cum
i	Un-Skilled	0.1236	3.992589	-
3	<b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	43.365	Cum
i	Skilled	0.18	7.8057	-
ii	Un-Skilled	3.9	169.1235	-

4	<p><b>R.C.C. Work (AR0401) : R.C.C work</b>  - 'Reinforced cement concrete (1:2:4) work with 12mm 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.  (To be used for minor repair work only)</p>	-	32.3025	Cum
i	Un-Skilled	4.6	148.5915	-
ii	Skilled	0.68	21.9657	-
5	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b>  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>	-	79.65	Sqm
i	Semi-Skilled	0.05	3.9825	-
ii	Skilled	0.05	3.9825	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	327.415839	462	151266.117618
2	Skilled	33.7539	562	18969.6918
3	Semi-Skilled	3.9825	512	2039.04
<b>Total:</b>				<b>172274.849418</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>11.0625</b>	Cum
2	<b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	<b>32.3025</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	32.3025	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>43.365</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	99.30585	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	20.8152	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	41.6304	1 Cum.
4	<p><b>R.C.C. Work (AR0401) :R.C.C work</b>  - 'Reinforced cement concrete (1:2:4) work with 12mm 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (To be used for minor repair work only)</p>	-	<b>32.3025</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	104.337075	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	14.536125	1 Cum

iii)	<b>BRM056</b> : 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	29.07225	1 Cum.
5	<b>R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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	-	<b>79.65</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2126655	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.0359	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	32.3025	1 Cum	413.05	13342.547625
2	<b>BRM340</b>	203.642925	1 Qntl.	569.712	116017.8180876
3	<b>BRM028</b>	35.351325	1 Cum	417.99	14776.50033675
4	<b>BRM044</b>	41.6304	1 Cum.	2176.31	90600.655824
5	<b>BRM056</b>	29.07225	1 Cum.	2604.91	75730.5947475
6	<b>BRM104</b>	0.2126655	1Cum.	58620.646	12466.588991913
7	<b>BRM092</b>	10.0359	1Mtr.	276.666	2776.5923094
<b>Total: 325711.29792216</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	32.3025	1 Cum	100.5	3246.40125
2	<b>BRM028</b>	35.351325	1 Cum	100.5	3552.8081625
3	<b>BRM044</b>	41.6304	1 Cum.	178	7410.2112

4	BRM056	29.07225	1 Cum.	178	5174.8605
					<b>Total: 19384.2811125</b>

**ADDITION COMPONENT**

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 5500	Rs. 5500
2	Display Citizen Board @ Rs. 2500	Rs. 2500
3	Any Other Lumpsum @ Rs. 1981	Rs. 1981
		<b>Total Addition Component Amount (in Rs.): 9981</b>

**Total Net Amount (in Rs.): 549999.48699653**