

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kendujhar	<b>Block</b>	Anandapur	<b>Gram Panchayat</b>	Kantipal

<b>Work Code</b>	OD/361/3443/119257/387041/00064166 (CONSTRUCTION OF CC ROAD FROM MUNDA SAHI CHHAK TO BATA HOUSE BARUAN KANTIPAL)						
<b>Project Category</b>	Road						

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Anandapur	<b>Proposal Date</b>	16-03-2024
<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>	
<b>Fund Sanction Amount (in Rs.)</b>	150000

### 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	16.1325	240.77592	3884.3175294
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	9.855	912.901832	8996.64755436

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	11.88	5944.82295724	70624.496732011
4	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	7.39125	7423.70784588	54870.480615861

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	16.2	216.70813962884	3510.6718619872
<b>Total Amount (in Rs.): 141886.61429362</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	-	16.1325	Cum
i	Un-Skilled	0.516	8.32437	-

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.	-	9.855	Cum
i	Un-Skilled	0.1236	1.218078	-
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.	-	11.88	Cum
i	Skilled	0.18	2.1384	-
ii	Un-Skilled	3.9	46.332	-

4	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	7.39125	Cum
i	Un-Skilled	4.6	33.99975	-
ii	Skilled	0.68	5.02605	-
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>	-	16.2	Sqm
i	Semi-Skilled	0.05	0.81	-
ii	Skilled	0.05	0.81	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	89.874198	462	41521.879476
2	Skilled	7.97445	562	4481.6409
3	Semi-Skilled	0.81	512	414.72
<b>Total: 46418.240376</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>16.1325</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>9.855</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	9.855	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>	-	11.88	Cum
i)	<b>BRM340</b> : Cement	2.29	27.2052	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	5.7024	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.4048	1 Cum.
4	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	-	7.39125	Cum
i)	<b>BRM340</b> : Cement	3.23	23.8737375	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.3260625	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	6.652125	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	-	16.2	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.043254	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.0412	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	9.855	1 Cum	656.51	6469.90605
2	<b>BRM340</b>	51.0789375	1 Qntl.	610.142	31165.405084125
3	<b>BRM028</b>	9.0284625	1 Cum	666.51	6017.560540875
4	<b>BRM044</b>	11.4048	1 Cum.	1726.96	19695.633408
5	<b>BRM056</b>	6.652125	1 Cum.	2101.71	13980.83763375
6	<b>BRM104</b>	0.043254	1Cum.	58715.766	2539.691742564
7	<b>BRM092</b>	2.0412	1Mtr.	371.786	758.8895832
<b>Total: 80627.924042514</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	9.855	1 Cum	190.25	1874.91375
2	<b>BRM028</b>	9.0284625	1 Cum	190.25	1717.664990625
3	<b>BRM044</b>	11.4048	1 Cum.	294.5	3358.7136

4	<b>BRM056</b>	6.652125	1 Cum.	294.5	1959.0508125
					<b>Total: 8910.343153125</b>

**ADDITION COMPONENT**

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for Contingency @ 1%	Rs. 1418.8661429362
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 3600	Rs. 3600
		<b>Total Addition Component Amount (in Rs.): 8018.8661429362</b>

**Total Net Amount (in Rs.): 149905.48043656**