

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Angul	<b>Block</b>	Kaniha	<b>Gram Panchayat</b>	Dalaka
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<b>Work Code</b>	OD/344/3280/115673/403747/00064179 (Construction of CC road from Upendra Behera house to Nadia Nala at Village Poipal)
<b>Project Category</b>	Road

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kaniha	<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>	All Weather Connectivity
<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>	300000

## 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	6.98366478016	240.77592	1681.4983124146
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	20.072080512	777.450732	15605.053686817

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	21.69457368672	5619.02198908	121902.2865894
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	20.072080512	7052.29176696	141554.16814054

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	Sqm	54.8778021	216.23489289764	11866.495659551
<b>Total Amount (in Rs.): 292609.50238872</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	-	6.98366478016	Cum
i	Un-Skilled	0.516	3.6035710265626	-

2	<p><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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	20.072080512	Cum
i	Un-Skilled	0.1236	2.4809091512832	-
3	<p><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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	21.69457368672	Cum
i	Skilled	0.18	3.9050232636096	-
ii	Un-Skilled	3.9	84.608837378208	-

4	<p><b>Concrete (AR0307) : 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>	-	20.072080512	Cum
i	Un-Skilled	4.6	92.3315703552	-
ii	Skilled	0.68	13.64901474816	-
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>	-	54.8778021	Sqm
i	Semi-Skilled	0.05	2.743890105	-
ii	Skilled	0.05	2.743890105	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	183.02488791125	462	84557.498214999
2	Skilled	20.29792811677	562	11407.435601625
3	Semi-Skilled	2.743890105	512	1404.87173376
<b>Total:</b>				<b>97369.805550384</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>6.98366478016</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>20.072080512</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	20.072080512	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>21.69457368672</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	49.680573742589	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	10.413395369626	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	20.826790739251	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>	-	<b>20.072080512</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	64.83282005376	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	9.0324362304	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	18.0648724608	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>54.8778021</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.146523731607	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.9146030646	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	20.072080512	1 Cum	478.15	9597.4652968128
2	<b>BRM340</b>	114.51339379635	1 Qntl.	538.472	61662.256184308
3	<b>BRM028</b>	19.445831600026	1 Cum	483.09	9394.0867876564
4	<b>BRM044</b>	20.826790739251	1 Cum.	1531.66	31899.562303681
5	<b>BRM056</b>	18.0648724608	1 Cum.	1933.03	34919.9404129
6	<b>BRM104</b>	0.146523731607	1Cum.	58573.086	8582.3471324577
7	<b>BRM092</b>	6.9146030646	1Mtr.	229.106	1584.1770497182
<b>Total: 157639.83516753</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	20.072080512	1 Cum	234.5	4706.902880064
2	<b>BRM028</b>	19.445831600026	1 Cum	234.5	4560.047510206
3	<b>BRM044</b>	20.826790739251	1 Cum.	420	8747.2521104855

4	BRM056	18.0648724608	1 Cum.	420	7587.246433536
<b>Total: 25601.448934292</b>					

#### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2926.0950238872
2	Display Citizen Board @ Rs. 1538.3	Rs. 1538.3
3	Any Other Lumpsum @ 1%	Rs. 2926.0950238872
<b>Total Addition Component Amount (in Rs.): 7390.4900477744</b>		

**Total Net Amount (in Rs.): 299999.99243649**