

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Jagatsinghpur	<b>Block</b>	Erasama	<b>Gram Panchayat</b>	Nuagaon

<b>Work Code</b>	OD/355/3388/118110/398335/00074197 (Improvement of Road from Dharendra Pradhan house to Banamali House)
<b>Project Category</b>	Road

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Erasama	<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>	Upgradation or Improvement
<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>	215000

### 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	2.49	240.77592	599.5320408
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	5.976	1048.625632	6266.586776832

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	14.442	6940.28047628	100231.53063844
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	11.952	8376.57148736	100116.78241693

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	16.6	216.23489289764	3589.4992221008
<b>Total Amount (in Rs.): 210803.9310951</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	-	2.49	Cum
i	Un-Skilled	0.516	1.28484	-

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.	-	5.976	Cum
i	Un-Skilled	0.1236	0.7386336	-
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.	-	14.442	Cum
i	Skilled	0.18	2.59956	-
ii	Un-Skilled	3.9	56.3238	-

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>	-	11.952	Cum
i	Un-Skilled	4.6	54.9792	-
ii	Skilled	0.68	8.12736	-
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>	-	16.6	Sqm
i	Semi-Skilled	0.05	0.83	-
ii	Skilled	0.05	0.83	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	113.3264736	462	52356.8308032
2	Skilled	11.55692	562	6494.98904
3	Semi-Skilled	0.83	512	424.96
<b>Total: 59276.7798432</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>2.49</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>5.976</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	5.976	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>	-	14.442	Cum
i)	<b>BRM340</b> : Cement	2.29	33.07218	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	6.93216	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.86432	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>	-	11.952	Cum
i)	<b>BRM340</b> : Cement	3.23	38.60496	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	5.3784	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	10.7568	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	-	16.6	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.044322	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.0916	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	5.976	1 Cum	781.89	4672.57464
2	<b>BRM340</b>	71.67714	1 Qntl.	603.877	43284.17627178
3	<b>BRM028</b>	12.31056	1 Cum	790.4	9730.266624
4	<b>BRM044</b>	13.86432	1 Cum.	2547.16	35314.6413312
5	<b>BRM056</b>	10.7568	1 Cum.	2948.53	31716.747504
6	<b>BRM104</b>	0.044322	1Cum.	58573.086	2596.076317692
7	<b>BRM092</b>	2.0916	1Mtr.	229.106	479.1981096
<b>Total: 127793.68079827</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	5.976	1 Cum	199.25	1190.718
2	<b>BRM028</b>	12.31056	1 Cum	199.25	2452.87908
3	<b>BRM044</b>	13.86432	1 Cum.	444.5	6162.69024

4	BRM056	10.7568	1 Cum.	444.5	4781.3976
					<b>Total: 14587.68492</b>

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2150	Rs. 2150
2	Display Citizen Board @ Rs. 2046	Rs. 2046
		<b>Total Addition Component Amount (in Rs.): 4196</b>

**Total Net Amount (in Rs.): 214999.9310951**