

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Basta	<b>Gram Panchayat</b>	Natakata
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<b>Work Code</b>	OD/346/3301/116130/392386/00065285 (CONSTRUCTION OF CC ROAD FROM MAHALSAHI TO BENU DHAR BHADRA HOUSE)
<b>Project Category</b>	Road

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Basta	<b>Proposal Date</b>	08-06-2021
<b>Date of Commencement</b>	25-11-2025	<b>Date of Completion</b>	15-12-2025
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance and improvement of Road infrastructure
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	Upgradation or Improvement
<b>Name of Executant</b>	BHAGYALAXMI MOHANTA		

## Administrative Approval Details

<b>Approval No.</b>	OD/346/3301/116130/392386/00065285/AS
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## Technical Sanction Details

<b>Technical Sanction No.</b>	OD/346/3301/116130/392386/00065285/TS
<b>Fund Sanction No.</b>	9114
<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><b>Earth Work (AR0101a1) : Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift -</b>  Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	Cum	4.24752	163.317	7955.1926209283
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>	Cum	15.3760224	1151.302232	7955.1926209283

3	<p><b>Concrete (AR0303a) :</b>  <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	22.4269056	6455.00289374	7955.1926209283
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 specifcaion and direction of Engineer-in charge.</p>	Cum	14.7813696	8036.28047138	7955.1926209283

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	36.789588	216.23489289764	7955.1926209283
<b>Total Amount (in Rs.): 289904.30615553</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0101a1) :</b> <b>Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift</b> - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	-	4.24752	Cum
i	Un-Skilled	0.35	1.486632	-

2	<p><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>	-	15.3760224	Cum
i	Un-Skilled	0.1236	1.90047636864	-
3	<p><b>Concrete (AR0303a)</b>  <b>: Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	22.4269056	Cum
i	Un-Skilled	3.9	87.46493184	-
ii	Skilled	0.18	4.036843008	-

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>	-	14.7813696	Cum
	i Un-Skilled	4.6	67.99430016	-
	ii Skilled	0.68	10.051331328	-
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>	-	36.789588	Sqm
	i Semi-Skilled	0.05	1.8394794	-
	ii Skilled	0.05	1.8394794	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	158.84634036864	462	73387.009250312
1	Skilled	15.927653736	562	8951.341399632
2	Semi-Skilled	1.8394794	512	941.8134528
<b>Total:</b>				<b>83280.164102744</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0101a1)</b> :.Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	-	<b>4.24752</b>	Cum
2	<b>Earth Work (AR0115)</b> :.Filling foundation and plinth with sand well watered and rammed - 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>15.3760224</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	15.3760224	1 Cum

3	<p><b>Concrete (AR0303a)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>22.4269056</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	51.357613824	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	10.764914688	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	21.529829376	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 specifaion and direction of Engineer-in charge.</p>	-	<b>14.7813696</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	47.743823808	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	6.65161632	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	13.30323264	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>36.789588</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.09822819996	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.635488088	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	15.3760224	1 Cum	738.55	11355.96134352
2	<b>BRM340</b>	99.101437632	1 Qntl.	546.307	54139.809088425
3	<b>BRM028</b>	17.416531008	1 Cum	743.49	12949.016639138
4	<b>BRM045</b>	21.529829376	1 Cum.	2081.67	44817.999917138
5	<b>BRM056</b>	13.30323264	1 Cum.	2690.93	35798.067807955
6	<b>BRM104</b>	0.09822819996	1Cum.	58573.086	5753.5288038823
7	<b>BRM092</b>	4.635488088	1Mtr.	229.106	1062.0181338893
<b>Total: 165876.40173395</b>					

## ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p><b>Earth Work (AR0101a1)</b>  <b>:.Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift -</b>  Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	-	4.24752	Cum
2	<p><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>	-	15.3760224	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	15.3760224	1 Cum
3	<p><b>Concrete (AR0303a)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	22.4269056	Cum
i)	<p><b>BRM340 : Cement</b></p>	2.29	51.357613824	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.48	10.764914688	1 Cum

iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	21.529829376	1 Cum.
4	<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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	<b>14.7813696</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	47.743823808	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	6.65161632	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	13.30323264	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>36.789588</b>	Sqm

i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.09822819996	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.022588807032	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	15.3760224	1 Cum	344.25	5293.1957112
2	<b>BRM028</b>	17.416531008	1 Cum	344.25	5995.640799504
3	<b>BRM045</b>	21.529829376	1 Cum.	522.5	11249.33584896
4	<b>BRM056</b>	13.30323264	1 Cum.	522.5	6950.9390544
<b>Total: 29489.111414064</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3000	Rs. 3000
2	Display Citizen Board @ Rs. 2500	Rs. 2500
3	Any Other Lumpsum @ Rs. 4595.69	Rs. 4595.69
<b>Total Addition Component Amount (in Rs.): 10095.69</b>		

**Total Net Amount (in Rs.): 299999.99615553**