

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Nayagarh	<b>Block</b>	Dasapalla	<b>Gram Panchayat</b>	Dihagaon

<b>Work Code</b>	OD/367/3524/120609/405504/00033115 (Improvement Of Road From Digiri To Janisahi)
<b>Project Category</b>	Road

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Dasapalla	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	30-07-2025	<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>	Ramesh Chandra Jani		

### Administrative Approval Details

<b>Approval No.</b>	OD/367/3524/120609/405504/00033115/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/367/3524/120609/405504/00033115/TS
<b>Fund Sanction No.</b>	31142
<b>Fund Sanction Amount (in Rs.)</b>	300000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<b>Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation -</b> Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	Sqm	204.851115	4.6662	6624.5058552458

2	<p><b>Earth Work (AR0122Ai) :</b>  <b>Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift</b> - Earth work in all kinds of soil 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 direction of the Engineer-in-charge.</p>	Cum	3.822768	220.96043508	6624.5058552458
3	<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	15.609636	701.882532	6624.5058552458

4	<p><b>Concrete (AR0303a) :</b>  <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hard Broken) metal -</b>  Cement concrete (1:3:6) with 4 cm. hard granite(Hard 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	24.461892432	5133.5672283	6624.5058552458
5	<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	20.727348820416	7100.8563181	6624.5058552458

6	<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	30.63569328	216.23489289764	6624.5058552458
<b>Total Amount (in Rs.): 292139.88860786</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation -</b> Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	-	204.851115	Sqm
i	Un-Skilled	0.01	2.04851115	-

2	<p><b>Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift</b> - Earth work in all kinds of soil 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 direction of the Engineer-in-charge.</p>	-	3.822768	Cum
i	Un-Skilled	0.473534	1.810210622112	-
3	<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>	-	15.609636	Cum
i	Un-Skilled	0.1236	1.9293510096	-

4	<p><b>Concrete (AR0303a) : 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>	-	24.461892432	Cum
	i Un-Skilled	3.9	95.4013804848	-
	ii Skilled	0.18	4.40314063776	-
5	<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 specificaion and direction of Engineer-in charge.</p>	-	20.727348820416	Cum
	i Un-Skilled	4.6	95.345804573914	-

	ii	Skilled	0.68	14.094597197883	-
6		<b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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>	-	30.63569328	Sqm
	i	Semi-Skilled	0.05	1.531784664	-
	ii	Skilled	0.05	1.531784664	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	196.53525784043	462	90799.289122277
1	Skilled	20.029522499643	562	11256.591644799
2	Semi-Skilled	1.531784664	512	784.273747968
<b>Total:</b>				<b>102840.15451504</b>

## MATERIAL 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 (AR0110)</b>  <b>:.Fine dressing of earth work in ordinary or hard soil in road formation -</b>  Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	204.851115	Sqm
2	<p><b>Earth Work (AR0122Ai) :.Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift -</b> Earth work in all kinds of soil 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 direction of the Engineer-in-charge.</p>	-	3.822768	Cum
3	<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>	-	15.609636	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	15.609636	1 Cum

4	<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>24.461892432</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	56.01773366928	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	11.74170836736	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	23.48341673472	1 Cum.
5	<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>20.727348820416</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	66.949336689944	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	9.3273069691872	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	18.654613938374	1 Cum.
6	<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>30.63569328</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0817973010576	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.86009735328	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	15.609636	1 Cum	332.58	5191.45274088
2	<b>BRM340</b>	122.96707035922	1 Qntl.	579.287	71233.225287184
3	<b>BRM028</b>	21.069015336547	1 Cum	339.01	7142.6068892429
4	<b>BRM045</b>	23.48341673472	1 Cum.	1038.44	24386.119274003
5	<b>BRM056</b>	18.654613938374	1 Cum.	1867.93	34845.513013908
6	<b>BRM104</b>	0.0817973010576	1Cum.	58573.086	4791.1203494147
7	<b>BRM092</b>	3.86009735328	1Mtr.	229.106	884.37146422057
<b>Total: 148474.40901885</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 (AR0110)</b>  <b>:.Fine dressing of earth work in ordinary or hard soil in road formation -</b>  Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	204.851115	Sqm
2	<p><b>Earth Work (AR0122Ai) :.Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift -</b> Earth work in all kinds of soil 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 direction of the Engineer-in-charge.</p>	-	3.822768	Cum
3	<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>	-	15.609636	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	15.609636	1 Cum

4	<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>24.461892432</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	56.01773366928	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	11.74170836736	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	23.48341673472	1 Cum.
5	<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>20.727348820416</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	66.949336689944	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	9.3273069691872	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	18.654613938374	1 Cum.
6	<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>30.63569328</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0817973010576	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.01881031567392	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	15.609636	1 Cum	305.25	4764.841389
2	<b>BRM028</b>	21.069015336547	1 Cum	305.25	6431.316931481
3	<b>BRM045</b>	23.48341673472	1 Cum.	199.5	4684.9416385766
4	<b>BRM056</b>	18.654613938374	1 Cum.	199.5	3721.5954807057
<b>Total: 19602.695439763</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2921.3988860786
2	Display Citizen Board @ Rs. 2000	Rs. 2000

3	Any Other Lumpsum @ Rs. 2938	Rs. 2938
<b>Total Addition Component Amount (in Rs.): 7859.3988860786</b>		

**Total Net Amount (in Rs.): 299999.28749393**