

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Ganjam	<b>Block</b>	Purushottampur	<b>Gram Panchayat</b>	Ranjhali

<b>Work Code</b>	OD/354/3381/117943/412221/00031113 (Improvement Of Road At Das Sahi Tungudas Houseto Das Sahi Well)						
<b>Project Category</b>	Road						

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Purushottampur	<b>Proposal Date</b>	01-07-2023
<b>Date of Commencement</b>	08-09-2025	<b>Date of Completion</b>	18-09-2025
<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>	Janaki Patro		

### Administrative Approval Details

<b>Approval No.</b>	OD/354/3381/117943/412221/00031113/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/354/3381/117943/412221/00031113/TS
<b>Fund Sanction No.</b>	13737
<b>Fund Sanction Amount (in Rs.)</b>	228000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p><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 &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	5.893434	240.77592	19578.596610453
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	2.59311096	1181.925432	19578.596610453

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>	Cum	3.22174392	5760.79881806	19578.596610453
4	<p><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</p>	Sqm	25.7805825	216.23489289764	19578.596610453

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 specificaion and direction of Engineer-in charge.</p>	Cum	3.928956	7318.95047822	19578.596610453
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6	<p><b>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b> Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	Sqm	189.057605	641.7936	19578.596610453
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7	<b>Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed -</b> Filling foundation and plinth with crusher dust 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.	Cum	28.812344	679.521132	19578.596610453
<b>Total Amount (in Rs.): 198288.73277297</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	-	5.893434	Cum
i	Un-Skilled	0.516	3.041011944	-

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>	-	2.59311096	Cum
i	Un-Skilled	0.1236	0.320508514656	-
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>	-	3.22174392	Cum
i	Skilled	0.18	0.5799139056	-
ii	Un-Skilled	3.9	12.564801288	-

4	<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>	-	25.7805825	Sqm
i	Semi-Skilled	0.05	1.289029125	-
ii	Skilled	0.05	1.289029125	-
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>	-	3.928956	Cum
i	Un-Skilled	4.6	18.0731976	-
ii	Skilled	0.68	2.67169008	-

6	<p><b>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b></p> <p>Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	189.057605	Sqm
7	<p><b>Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed -</b></p> <p>Filling foundation and plinth with crusher dust 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>	-	28.812344	Cum
	i Un-Skilled	0.1236	3.5612057184	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	37.560725065056	462	17353.054980056
1	Skilled	4.5406331106	562	2551.8358081572

2	Semi-Skilled	1.289029125	512	659.982912
				<b>Total: 20564.873700213</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>5.893434</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>2.59311096</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	2.59311096	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>3.22174392</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	7.3777935768	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.5464370816	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.0928741632	1 Cum.
4	<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>	-	<b>25.7805825</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.068834155275	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.248353395	1Mtr.

5	<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&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.	-	<b>3.928956</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	12.69052788	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.7680302	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	3.5360604	1 Cum.

6	<p><b>miscellaneous(ARM28 7) :.Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b></p> <p>Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	189.057605	Sqm
i)	<p><b>BRM029</b> : Sand for filling and road blinding</p>	0.03	5.67172815	1 Cum
ii)	<p><b>BRMM287</b> : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)</p>	1	189.057605	1 Sqm
7	<p><b>Earth Work (AR0115a) :.Filling foundation and plinth with crusher dust well watered and rammed -</b></p> <p>Filling foundation and plinth with crusher dust 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>	-	28.812344	Cum

i)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1	28.812344	1 Cum
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	8.26483911	1 Cum	338.87	2800.7060292057
2	<b>BRM340</b>	20.0683214568	1 Qntl.	593.017	11900.855785347
3	<b>BRM028</b>	3.3144672816	1 Cum	342.24	1134.3432824548
4	<b>BRM044</b>	3.0928741632	1 Cum.	1297.3	4012.3856519194
5	<b>BRM104</b>	0.068834155275	1Cum.	58573.086	4031.8288966599
6	<b>BRM092</b>	3.248353395	1Mtr.	229.106	744.21725291487
7	<b>BRM056</b>	3.5360604	1 Cum.	1698.67	6006.599719668
8	<b>BRMM287</b>	189.057605	1 Sqm	608.4	115022.646882
9	<b>BRM026</b>	28.812344	1 Cum	415.44	11969.80019136

**Total: 157623.38369153**

## ROYALTY 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 - 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</b>	-	<b>5.893434</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>2.59311096</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	2.59311096	1 Cum
3	<b>Concrete (AR0303)</b> :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - 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.	-	<b>3.22174392</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	7.3777935768	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.5464370816	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.0928741632	1 Cum.

4	<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>	-	<b>25.7805825</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.068834155275	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.015829277655	1Mtr.
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 specifaion and direction of Engineer-in charge.</p>	-	<b>3.928956</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	12.69052788	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.7680302	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	3.5360604	1 Cum.

6	<p><b>miscellaneous(ARM28 7) :.Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b></p> <p>Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	189.057605	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	5.67172815	1 Cum
7	<p><b>Earth Work (AR0115a) :.Filling foundation and plinth with crusher dust well watered and rammed -</b></p> <p>Filling foundation and plinth with crusher dust 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>	-	28.812344	Cum
i)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	1	28.812344	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	8.26483911	1 Cum	774.25	6399.0516809175
2	<b>BRM028</b>	3.3144672816	1 Cum	774.25	2566.2262927788
3	<b>BRM044</b>	3.0928741632	1 Cum.	309.5	957.2445535104
4	<b>BRM056</b>	3.5360604	1 Cum.	309.5	1094.4106938

5	BRM026	28.812344	1 Cum	200.25	5769.671886
					<b>Total: 16786.605107007</b>

**ADDITION COMPONENT**

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2850	Rs. 2850
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 21840	Rs. 21840
		<b>Total Addition Component Amount (in Rs.): 29690</b>

**Total Net Amount (in Rs.): 227978.73277297**