

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Gram Panchayat	Badakathuru

Work Code	OD/353/3357/117439/414727/00067261 (Construction of road at kasinpeta)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Gosani	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Bikashita Gaon Bikashita Odisha	Scheme Component Name	Viksit Gaon Vikshit Odisha (VGVO)
Project Sub-Category	Pavor Block	Project Type	New Work
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	OD/353/3357/117439/414727/00067261/TS
Fund Sanction No.	3942
Fund Sanction Amount (in Rs.)	330000

### 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 (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	41.94	220.96043508	9267.0806472552
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	25.38	1019.901232	25885.09326816

3	<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 - 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.</b></p>	Sqm	211.5	636.981	134721.4815
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4	<p style="text-align: center;"><b>Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</b></p> <p>Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&amp;H Specifications for Road &amp; Bridge works (Last Revision).</p>	Cum	21.15	1920.1589817333	40611.362463659
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5	<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	14.805	5877.13442172	87010.975113565
6	<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	0.378	7400.47519564	2797.3796239519

7	<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	98.7	217.02363744964	21420.233016279
<b>Total Amount (in Rs.): 321713.60563287</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<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.	-	41.94	Cum
i	Un-Skilled	0.473534	19.86001596	-

2	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	25.38	Cum
i	Un-Skilled	0.1236	3.136968	-
3	<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.	-	211.5	Sqm

4	<b>Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1</b> - Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&H Specifications for Road & Bridge works (Last Revision).	-	21.15	Cum
i	Un-Skilled	0.0333333333333333	0.705	-
ii	Skilled	0.0066666666666667	0.141	-
iii	Semi-Skilled	0.0016	0.03384	-

5	<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>	-	14.805	Cum
i	Skilled	0.18	2.6649	-
ii	Un-Skilled	3.9	57.7395	-
6	<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>	-	0.378	Cum
i	Un-Skilled	4.6	1.7388	-

	ii	Skilled	0.68	0.25704	-
7		<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>	-	98.7	Sqm
	i	Semi-Skilled	0.05	4.935	-
	ii	Skilled	0.05	4.935	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	83.18028396	462	38429.29118952
2	Skilled	7.99794	562	4494.84228
3	Semi-Skilled	4.96884	512	2544.04608
<b>Total:</b>				<b>45468.17954952</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	<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.	-	<b>41.94</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>25.38</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	25.38	1 Cum

3	<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>	-	211.5	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	6.345	1 Cum
ii)	<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)	1	211.5	1 Sqm

4	<b>Road Work (AR1339)</b> <b>.:Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1</b> - Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&H Specifications for Road & Bridge works (Last Revision).	-	21.15	Cum
i)	<b>BRMMR0037</b> : Cost of water	0.06	1.269	KL
ii)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.672	14.2128	1 Cum
iii)	<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.16	3.384	1 Cum.
iv)	<b>BRM062</b> : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	0.448	9.4752	1 Cum.

5	<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>	-	14.805	Cum
i)	<b>BRM340</b> : Cement	2.29	33.90345	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	7.1064	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	14.2128	1 Cum.
6	<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>	-	0.378	Cum
i)	<b>BRM340</b> : Cement	3.23	1.22094	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.1701	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	0.3402	1 Cum.
7	<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	-	98.7	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.263529	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	12.4362	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	31.725	1 Cum	673.45	21365.20125
2	<b>BRMM287</b>	211.5	1 Sqm	608.4	128676.6
3	<b>BRMMR0037</b>	1.269	KL	10	12.69
4	<b>BRM026</b>	14.2128	1 Cum	737.84	10486.772352
5	<b>BRM064</b>	3.384	1 Cum.	1451.71	4912.58664
6	<b>BRM062</b>	9.4752	1 Cum.	1558.97	14771.552544
7	<b>BRM340</b>	35.12439	1 Qntl.	624.372	21930.68563308
8	<b>BRM028</b>	7.2765	1 Cum	678.39	4936.304835
9	<b>BRM044</b>	14.2128	1 Cum.	1596.76	22694.430528
10	<b>BRM056</b>	0.3402	1 Cum.	1998.13	679.763826
11	<b>BRM104</b>	0.263529	1Cum.	58810.886	15498.373976694
12	<b>BRM092</b>	12.4362	1Mtr.	466.906	5806.5363972

**Total: 251771.49798197**

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	31.725	1 Cum	279.25	8859.20625
2	BRM026	14.2128	1 Cum	279.25	3968.9244
3	BRM064	3.384	1 Cum.	269.5	911.988
4	BRM062	9.4752	1 Cum.	269.5	2553.5664
5	BRM028	7.2765	1 Cum	279.25	2031.962625
6	BRM044	14.2128	1 Cum.	269.5	3830.3496
7	BRM056	0.3402	1 Cum.	269.5	91.6839
					<b>Total: 22247.681175</b>

## ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3217.1360563287
2	Display Citizen Board @ Rs. 5000	Rs. 5000
		<b>Total Addition Component Amount (in Rs.): 8217.1360563287</b>

**Total Net Amount (in Rs.): 329930.7416892**