

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Gajapati	<b>Block</b>	Gosani	<b>Gram Panchayat</b>	Kharasandha
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<b>Work Code</b>	OD/353/3357/117449/414663/00067652 (Construction of paver block road from siva temple to badua ammavari temple at badua)
<b>Project Category</b>	Road

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Gosani	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	Bikashita Gaon Bikashita Odisha	<b>Scheme Component Name</b>	Viksit Gaon Vikshit Odisha (VGVO)
<b>Project Sub-Category</b>	Pavor Block	<b>Project Type</b>	New Work
<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>	3942
<b>Fund Sanction Amount (in Rs.)</b>	530000

**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	36.75	240.77592	8848.51506
2	<p style="text-align: center;"><b>Road Work (AR1307) :</b>  <b>Supplying &amp; spreading moorum and consolidation with HRR -</b>  Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	Cum	36.75	1314.4922246784	48307.589256931

3	<p style="text-align: center;"><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&amp;H Specifications for Road &amp; Bridge works (Last Revision).</p>	Cum	36.75	1583.5138617333	58194.134418699
4	<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	18.375	954.150232	17532.510513

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	18	5538.08933972	99685.60811496
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	4.8	7056.60615164	33871.709527872

7	<p style="text-align: center;"><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	120	216.23489289764	25948.187147717
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8	<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	350	635.028	222259.8
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**Total Amount (in Rs.): 514648.05403918**

**LABOUR STATEMENT**

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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></p> <p>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>	-	36.75	Cum
i	Un-Skilled	0.516	18.963	-
2	<p><b>Road Work (AR1307) : Supplying &amp; spreading moorum and consolidation with HRR -</b></p> <p>Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	-	36.75	Cum
i	Un-Skilled	1.0600706713781	38.957597173145	-

3	<p><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&amp;H Specifications for Road &amp; Bridge works (Last Revision).</p>	-	36.75	Cum
i	Un-Skilled	0.0333333333333333	1.225	-
ii	Skilled	0.0066666666666667	0.245	-
iii	Semi-Skilled	0.0016	0.0588	-
4	<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>	-	18.375	Cum

	i	Un-Skilled	0.1236	2.27115	-
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>	-	18	Cum
	i	Skilled	0.18	3.24	-
	ii	Un-Skilled	3.9	70.2	-
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 specifaion and direction of Engineer-in charge.</p>	-	4.8	Cum

	i	Un-Skilled	4.6	22.08	-
	ii	Skilled	0.68	3.264	-
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>	-	120	Sqm
	i	Semi-Skilled	0.05	6	-
	ii	Skilled	0.05	6	-

8	<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>	-	350	Sqm
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SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	153.69674717314	462	71007.897193993
2	Skilled	12.749	562	7164.938
3	Semi-Skilled	6.0588	512	3102.1056
<b>Total:</b>				<b>81274.940793993</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 (AR0102aa) :Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>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>	-	36.75	Cum
2	<p><b>Road Work (AR1307) :Supplying &amp; spreading moorum and consolidation with HRR -</b></p> <p>Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	-	36.75	Cum
i)	<b>BRM025</b> : Gravel or moorum	1.28	47.04	1 Cum

3	<p><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&amp;H Specifications for Road &amp; Bridge works (Last Revision).</p>	-	36.75	Cum
i)	<b>BRMMR0037</b> : Cost of water	0.06	2.205	KL
ii)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.672	24.696	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	5.88	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	16.464	1 Cum.

4	<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.	-	18.375	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	18.375	1 Cum
5	<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.	-	18	Cum
i)	<b>BRM340</b> : Cement	2.29	41.22	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	8.64	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	17.28	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 specifaion and direction of Engineer-in charge.</p>	-	4.8	Cum
i)	<b>BRM340</b> : Cement	3.23	15.504	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.16	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	4.32	1 Cum.
7	<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>	-	120	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.3204	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	15.12	1Mtr.

8	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.	-	350	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	10.5	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	350	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM025</b>	47.04	1 Cum	354.91	16694.9664
2	<b>BRMMR0037</b>	2.205	KL	10	22.05
3	<b>BRM026</b>	24.696	1 Cum	477.44	11790.85824
4	<b>BRM064</b>	5.88	1 Cum.	1191.31	7004.9028
5	<b>BRM062</b>	16.464	1 Cum.	1298.57	21379.65648
6	<b>BRM029</b>	28.875	1 Cum	608.35	17566.10625
7	<b>BRM340</b>	56.724	1 Qntl.	600.592	34067.980608

8	BRM028	10.8	1 Cum	613.29	6623.532
9	BRM044	17.28	1 Cum.	1336.36	23092.3008
10	BRM056	4.32	1 Cum.	1737.73	7506.9936
11	BRM104	0.3204	1Cum.	58573.086	18766.8167544
12	BRM092	15.12	1Mtr.	229.106	3464.08272
13	BRMM287	350	1 Sqm	608.4	212940
<b>Total: 380920.2466524</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	47.04	1 Cum	279.25	13135.92
2	BRM026	24.696	1 Cum	279.25	6896.358
3	BRM064	5.88	1 Cum.	269.5	1584.66
4	BRM062	16.464	1 Cum.	269.5	4437.048
5	BRM029	28.875	1 Cum	279.25	8063.34375
6	BRM028	10.8	1 Cum	279.25	3015.9
7	BRM044	17.28	1 Cum.	269.5	4656.96
8	BRM056	4.32	1 Cum.	269.5	1164.24
<b>Total: 42954.42975</b>					

## ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 5146.4805403918
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 5205	Rs. 5205
<b>Total Addition Component Amount (in Rs.): 15351.480540392</b>		

**Total Net Amount (in Rs.): 529999.53457957**