

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Gram Panchayat	Tatipetti

Work Code	OD/353/3357/117456/414691/00066955 (Construction of paver block road from hanuman temple to harijan sahi)						
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/353/3357/117456/414691/00066955/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;">Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift - 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	82.188	220.96043508	18160.296238355
2	<p style="text-align: center;">Earth Work (AR0115) : 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.</p>	Cum	23.591	1085.652232	25611.621805112

3	<p>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.</p>	Sqm	235.91	638.934	150730.91994
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4	<p style="text-align: center;">Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</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&H Specifications for Road & Bridge works (Last Revision).</p>	Cum	23.591	1671.0687417333	39422.18268623
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5	<p align="center">Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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.</p>	Cum	8.42938	7292.31697214	61469.710838617
6	<p align="center">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</p>	Sqm	106.54	216.86588853924	23104.891764971
Total Amount (in Rs.): 318499.62327329					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift - 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.	-	82.188	Cum
i	Un-Skilled	0.473534	38.918812392	-
2	Earth Work (AR0115) : 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.	-	23.591	Cum
i	Un-Skilled	0.1236	2.9158476	-

3	<p>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 -</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>	-	235.91	Sqm
4	<p>Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</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&H Specifications for Road & Bridge works (Last Revision).</p>	-	23.591	Cum

	i	Un-Skilled	0.0333333333333333	0.786366666666667	-
	ii	Skilled	0.0066666666666667	0.157273333333333	-
	iii	Semi-Skilled	0.0016	0.0377456	-
5		Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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.	-	8.42938	Cum
	i	Un-Skilled	4.6	38.775148	-
	ii	Skilled	0.68	5.7319784	-

6	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	-	106.54	Sqm
i	Semi-Skilled	0.05	5.327	-
ii	Skilled	0.05	5.327	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	81.396174658667	462	37605.032692304
2	Skilled	11.216251733333	562	6303.5334741333
3	Semi-Skilled	5.3647456	512	2746.7497472
Total:				46655.315913637

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Earth Work (AR0122Ai) :.Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift - 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.	-	82.188	Cum
2	Earth Work (AR0115) :.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.	-	23.591	Cum
i)	BRM029 : Sand for filling and road blinding	1	23.591	1 Cum

3	<p>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 -</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>	-	235.91	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	7.0773	1 Cum
ii)	BRMM287 : 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	235.91	1 Sqm

4	<p>Road Work (AR1339) :.Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 - 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).</p>	-	23.591	Cum
i)	BRMMR0037 : Cost of water	0.06	1.41546	KL
ii)	BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.672	15.853152	1 Cum
iii)	BRM064 : 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	3.77456	1 Cum.
iv)	BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	0.448	10.568768	1 Cum.

5	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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.</p>	-	8.42938	Cum
i)	BRM340 : Cement	3.23	27.2268974	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.793221	1 Cum
iii)	BRM056 : 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	7.586442	1 Cum.
6	<p>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</p>	-	106.54	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2844618	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	13.42404	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	30.6683	1 Cum	738.55	22650.072965
2	BRMM287	235.91	1 Sqm	608.4	143527.644
3	BRMMR0037	1.41546	KL	10	14.1546
4	BRM026	15.853152	1 Cum	607.64	9633.00928128
5	BRM064	3.77456	1 Cum.	1321.51	4988.1187856
6	BRM062	10.568768	1 Cum.	1428.77	15100.33865536
7	BRM340	27.2268974	1 Qntl.	618.427	16837.84847839
8	BRM028	3.793221	1 Cum	743.49	2820.22188129
9	BRM056	7.586442	1 Cum.	1867.93	14170.94260506
10	BRM104	0.2844618	1Cum.	58763.326	16715.921487947
11	BRM092	13.42404	1Mtr.	419.346	5629.31747784
Total: 252087.59021777					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	30.6683	1 Cum	279.25	8564.122775
2	BRM026	15.853152	1 Cum	160.25	2540.467608
3	BRM064	3.77456	1 Cum.	269.5	1017.24392
4	BRM062	10.568768	1 Cum.	269.5	2848.282976
5	BRM028	3.793221	1 Cum	279.25	1059.25696425
6	BRM056	7.586442	1 Cum.	269.5	2044.546119
Total: 18073.92036225					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3184.9962327329
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 3230	Rs. 3230
Total Addition Component Amount (in Rs.): 11414.996232733		

Total Net Amount (in Rs.): 329914.61950602