

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Bargarh	Gram Panchayat	Gobindpur

Work Code	OD/347/3312/116379/380626/00075684 (CONSTRUCTION OF CC ROAD FROM BARPADAR TO SRIHARI NAGAR, GOBINDPUR)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Bargarh	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	CC Road	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	4961
Fund Sanction Amount (in Rs.)	450000

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 (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p>	Cum	6.8103	240.77592	1639.756247976
2	<p style="text-align: center;">Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - 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>	Sqm	325.71	4.6662	1519.828002

3	<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	32.571	630.000832	20519.757099072
4	<p style="text-align: center;">Concrete (AR0303) : 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.</p>	Cum	39.3813	5481.28989296	215860.32166163

5	<p style="text-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	24.42825	7093.15672652	173273.40580461
6	<p style="text-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	113.505	216.23489289764	24543.741518347

7	<p style="text-align: center;">Earth Work (AR0102b) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.</p>	Cum	16.2855	208.2172638579	3390.9222505578
Total Amount (in Rs.): 440747.73258419					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p>	-	6.8103	Cum
i	Un-Skilled	0.516	3.5141148	-
2	<p>Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - 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>	-	325.71	Sqm
i	Un-Skilled	0.01	3.2571	-
3	<p>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>	-	32.571	Cum

	i	Un-Skilled	0.1236	4.0257756	-
4		<p>Concrete (AR0303) : 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.</p>	-	39.3813	Cum
	i	Skilled	0.18	7.088634	-
	ii	Un-Skilled	3.9	153.58707	-
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>	-	24.42825	Cum

	i	Un-Skilled	4.6	112.36995	-
	ii	Skilled	0.68	16.61121	-
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	-	113.505	Sqm
	i	Semi-Skilled	0.05	5.67525	-
	ii	Skilled	0.05	5.67525	-

7	<p>Earth Work (AR0102b) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.</p>	-	16.2855	Cum
i	Un-Skilled	0.43	7.002765	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	283.7567754	462	131095.6302348
2	Skilled	29.375094	562	16508.802828
3	Semi-Skilled	5.67525	512	2905.728
Total:				150510.1610628

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>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p>	-	6.8103	Cum
2	<p>Earth Work (AR0110) :.Fine dressing of earth work in ordinary or hard soil in road formation - 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>	-	325.71	Sqm
3	<p>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>	-	32.571	Cum
i)	BRM029 : Sand for filling and road blinding	1	32.571	1 Cum

4	<p>Concrete (AR0303) :.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.</p>	-	39.3813	Cum
i)	BRM340 : Cement	2.29	90.183177	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	18.903024	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	37.806048	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 specificaion and direction of Engineer-in charge.</p>	-	24.42825	Cum
i)	BRM340 : Cement	3.23	78.9032475	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.9927125	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	21.985425	1 Cum.
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	-	113.505	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.30305835	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	14.30163	1Mtr.

7	Earth Work (AR0102b) :.Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.	-	16.2855	Cum
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	32.571	1 Cum	401.41	13074.32511
2	BRM340	169.0864245	1 Qntl.	637.012	107710.08144359
3	BRM028	29.8957365	1 Cum	409.04	12228.55205796
4	BRM044	37.806048	1 Cum.	1354.39	51204.13335072
5	BRM056	21.985425	1 Cum.	1802.83	39635.98375275
6	BRM104	0.30305835	1Cum.	58573.086	17751.062797568
7	BRM092	14.30163	1Mtr.	229.106	3276.58924278
Total: 244880.72775537					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	32.571	1 Cum	165.25	5382.35775
2	BRM028	29.8957365	1 Cum	165.25	4940.270456625
3	BRM044	37.806048	1 Cum.	249.5	9432.608976
4	BRM056	21.985425	1 Cum.	249.5	5485.3635375
Total: 25240.600720125					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4252	Rs. 4252
2	Display Citizen Board @ Rs. 5000	Rs. 5000
		Total Addition Component Amount (in Rs.): 9252

Total Net Amount (in Rs.): 449999.73258419