

ESTIMATION DPR

State	Odisha	District	Balasore	Block	Remuna	Gram Panchayat	Mangalpur
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Work Code	OD/346/3307/116281/392933/00072726 (Const of CC Road from Anjana Barik House to Smasan VillSasanbad)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Remuna	Proposal Date	01-12-2025
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.	4818
Fund Sanction Amount (in Rs.)	400000

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 (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum</p>	Cum	7.63187597568	179.18208	1367.4954116244
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	22.94160308352	912.467532	20933.467945743

3	<p style="text-align: center;">Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hard Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hard 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	28.769302464	5985.6398307	172202.68272997
4	<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 specifcaion and direction of Engineer-in charge.</p>	Cum	22.98757824	7616.4934159	175084.73831245

5	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	Sqm	75.87573816	216.23489289764	16406.982114557
Total Amount (in Rs.): 385995.36651434					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum	-	7.63187597568	Cum
i	Un-Skilled	0.384	2.9306403746611	-

2	<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>	-	22.94160308352	Cum
i	Un-Skilled	0.1236	2.8355821411231	-
3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	28.769302464	Cum
i	Un-Skilled	3.9	112.2002796096	-
ii	Skilled	0.18	5.17847444352	-

4	<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>	-	22.98757824	Cum
	i Un-Skilled	4.6	105.742859904	-
	ii Skilled	0.68	15.6315532032	-
5	<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>	-	75.87573816	Sqm
	i Semi-Skilled	0.05	3.793786908	-
	ii Skilled	0.05	3.793786908	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	223.70936202938	462	103353.72525758
2	Skilled	24.60381455472	562	13827.343779753
3	Semi-Skilled	3.793786908	512	1942.418896896
Total:				119123.48793422

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0101aa) :.Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum	-	7.63187597568	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.	-	22.94160308352	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.94160308352	1 Cum

3	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	28.769302464	Cum
i)	BRM340 : Cement	2.29	65.88170264256	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	13.80926518272	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	27.61853036544	1 Cum.
4	<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>	-	22.98757824	Cum
i)	BRM340 : Cement	3.23	74.2498777152	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.344410208	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	20.688820416	1 Cum.
5	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	-	75.87573816	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2025882208872	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	9.56034300816	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.94160308352	1 Cum	413.05	9476.0291536479
2	BRM340	140.13158035776	1 Qntl.	561.987	78752.126450516
3	BRM028	24.15367539072	1 Cum	417.99	10095.994776567
4	BRM045	27.61853036544	1 Cum.	1649.27	45550.413575809
5	BRM056	20.688820416	1 Cum.	2258.53	46726.321574148
6	BRM104	0.2025882208872	1Cum.	58573.086	11866.217284613
7	BRM092	9.56034300816	1Mtr.	229.106	2190.3319452275
Total: 204657.43476053					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	22.94160308352	1 Cum	433.28	9940.1377840275
2	BRM028	24.15367539072	1 Cum	433.28	10465.304473291
3	BRM045	27.61853036544	1 Cum.	544.92	15049.889566736

4	BRM056	20.688820416	1 Cum.	544.92	11273.752021087
					Total: 46729.083845141

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 5000	Rs. 5000
		Total Addition Component Amount (in Rs.): 14000

Total Net Amount (in Rs.): 399995.36651434