

ESTIMATION DPR

State	Odisha	District	Sundargarh	Block	Koida	Gram Panchayat	Jamudihi
--------------	--------	-----------------	------------	--------------	-------	-----------------------	----------

Work Code	OD/373/3579/121614/384719/00074031 (Construction of Cement Concrete Road from Berna House to Sugal Horo house Manchabeda)
Project Category	Road

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Koida	Proposal Date	21-11-2025
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.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	4982/ZP
Fund Sanction Amount (in Rs.)	476006

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

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	7.04	240.77592	1695.0624768
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	25.08	850.322232	21326.08157856

3	<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	35.64	6418.99701792	228773.05371867
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	26.84	7856.37499504	210865.10486687

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>	Sqm	20	218.67303564484	4373.4607128968
Total Amount (in Rs.): 467032.7633538					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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>	-	7.04	Cum
i	Un-Skilled	0.516	3.63264	-

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>	-	25.08	Cum
i	Un-Skilled	0.1236	3.099888	-
3	<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>	-	35.64	Cum
i	Skilled	0.18	6.4152	-
ii	Un-Skilled	3.9	138.996	-

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>	-	26.84	Cum
i	Un-Skilled	4.6	123.464	-
ii	Skilled	0.68	18.2512	-
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>	-	20	Sqm
i	Semi-Skilled	0.05	1	-
ii	Skilled	0.05	1	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	269.192528	462	124366.947936
2	Skilled	25.6664	562	14424.5168
3	Semi-Skilled	1	512	512
				Total: 139303.464736

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	7.04	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.	-	25.08	Cum
i)	BRM029 : Sand for filling and road blinding	1	25.08	1 Cum

3	<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>	-	35.64	Cum
i)	BRM340 : Cement	2.29	81.6156	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	17.1072	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	34.2144	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>	-	26.84	Cum
i)	BRM340 : Cement	3.23	86.6932	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	12.078	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	24.156	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	-	20	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0534	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.52	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	25.08	1 Cum	738.55	18522.834
2	BRM340	168.3088	1 Qntl.	583.833	98264.2316304
3	BRM028	29.1852	1 Cum	743.49	21698.904348
4	BRM044	34.2144	1 Cum.	2363.16	80854.101504
5	BRM056	24.156	1 Cum.	2764.53	66779.98668
6	BRM104	0.0534	1Cum.	59308.166	3167.0560644
7	BRM092	2.52	1Mtr.	964.186	2429.74872
Total: 291716.8629468					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	25.08	1 Cum	46.25	1159.95
2	BRM028	29.1852	1 Cum	46.25	1349.8155
3	BRM044	34.2144	1 Cum.	259.5	8878.6368

4	BRM056	24.156	1 Cum.	259.5	6268.482
					Total: 17656.8843

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 4670.327633538
2	Display Citizen Board @ Rs. 4302	Rs. 4302
		Total Addition Component Amount (in Rs.): 8972.327633538

Total Net Amount (in Rs.): 476005.09098734