

ESTIMATION DPR

State	Odisha	District	Khordha	Block	Tangi	Gram Panchayat	Chhannagiri
--------------	--------	-----------------	---------	--------------	-------	-----------------------	-------------

Work Code	OD/362/3465/119688/407908/00101483 (Construction of RCC Drain and cc road at Muslim Sahi.)
Project Category	Road

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Tangi	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.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	500000

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	78.57912	240.77592	18919.95991079
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	15.21744832	1328.607732	20218.019499262

3	<p 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	20.31447232	5771.5855615	117246.7151316
4	<p>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	144.371262	178.75440257	25806.998687087

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>	Cum	14.937112	7214.6637645	107766.24069268
6	<p>Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	Cum	36.523574976	5495.8836698	200729.31927331
Total Amount (in Rs.): 490687.25319474					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement 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>	-	78.57912	Cum
i	Un-Skilled	0.516	40.54682592	-
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>	-	15.21744832	Cum
i	Un-Skilled	0.1236	1.880876612352	-

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>	-	20.31447232	Cum
	i Skilled	0.18	3.6566050176	-
	ii Un-Skilled	3.9	79.226442048	-
4	<p>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	144.371262	Sqm
	i Un-Skilled	0.12	17.32455144	-
	ii Skilled	0.14	20.21197668	-

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>	-	14.937112	Cum
i	Un-Skilled	4.6	68.7107152	-
ii	Skilled	0.68	10.15723616	-
6	<p>Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	-	36.523574976	Cum
i	Un-Skilled	1.21	44.19352572096	-
ii	Skilled	1.05	38.3497537248	-
iii	Highly-Skilled	2.295	83.82160456992	-

iv	Semi-Skilled	1.41	51.49824071616	-
----	--------------	------	----------------	---

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	251.88293694131	462	116369.91686689
2	Skilled	72.3755715824	562	40675.071229309
3	Highly-Skilled	83.82160456992	612	51298.821996791
4	Semi-Skilled	51.49824071616	512	26367.099246674
Total:				234710.90933966

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	-	78.57912	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.	-	15.21744832	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.21744832	1 Cum
3	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.	-	20.31447232	Cum
i)	BRM340 : Cement	2.29	46.5201416128	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	9.7509467136	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	19.5018934272	1 Cum.

4	Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	144.371262	Sqm
i)	BRM340 : Cement	0.0358	5.1684911796	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.16556893	1 Cum
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.	-	14.937112	Cum
i)	BRM340 : Cement	3.23	48.24687176	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.7217004	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	13.4434008	1 Cum.

6	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	36.523574976	Cum
i)	BRM340 : Cement	0.572	20.891484886272	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	8.76565799424	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	36.523574976	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	15.21744832	1 Cum	1148.1	17471.152416192
2	BRM340	120.82698943867	1 Qntl.	569.387	68797.317035517
3	BRM028	27.40387403784	1 Cum	1154.49	31637.498537946
4	BRM044	19.5018934272	1 Cum.	1336.36	26061.550300373
5	BRM056	13.4434008	1 Cum.	1713.82	23039.569159056
6	BRM079	36.523574976	1 Cum.	1071.09	39120.035921044
Total:					206127.12337013

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	15.21744832	1 Cum	110.25	1677.72367728
2	BRM028	27.40387403784	1 Cum	110.25	3021.2771126719
3	BRM044	19.5018934272	1 Cum.	409.5	7986.0253584384
4	BRM056	13.4434008	1 Cum.	409.5	5505.0726276
5	BRM079	36.523574976	1 Cum.	409.5	14956.403952672
Total:					33146.502728662

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 5000	Rs. 5000

2	Display Citizen Board @ Rs. 4312.6	Rs. 4312.6
Total Addition Component Amount (in Rs.): 9312.6		

Total Net Amount (in Rs.): 499999.85319474