

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lephipara	Gram Panchayat	Chhatenpali

Work Code	OD/373/3584/121693/383707/00068527 (Construction of Cement Concrete Road from Maa Gruha to Angenwadi at Fittingpada)
Project Category	Road

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Lephipara	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.	4512
Fund Sanction Amount (in Rs.)	700000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	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.	Sqm	490	4.6662	2286.438

2	<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	9.9	240.77592	2383.681608
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	43.975	1060.159832	46620.5286122

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	53.5375	5462.16640752	292430.7340426
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 specifcaion and direction of Engineer-in charge.</p>	Cum	47.1115	6928.12916224	326394.55702687

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>	Sqm	70	216.23489289764	15136.442502835
7	<p>miscellaneous (ARM017) : Inserting premoulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge. - Inserting premoulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge.</p>	Rmt	36.210238841272	2.01	72.782580070957
Total Amount (in Rs.): 685325.16437258					

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 (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>	-	490	Sqm
i	Un-Skilled	0.01	4.9	-
2	<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>	-	9.9	Cum
i	Un-Skilled	0.516	5.1084	-
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>	-	43.975	Cum

	i	Un-Skilled	0.1236	5.43531	-
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>	-	53.5375	Cum
	i	Skilled	0.18	9.63675	-
	ii	Un-Skilled	3.9	208.79625	-
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>	-	47.1115	Cum

	i	Un-Skilled	4.6	216.7129	-
	ii	Skilled	0.68	32.03582	-
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	-	70	Sqm
	i	Semi-Skilled	0.05	3.5	-
	ii	Skilled	0.05	3.5	-
7		miscellaneous (ARM017) : Inserting pre moulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge. - Inserting pre moulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge.	-	36.210238841272	Rmt

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	440.95286	462	203720.22132

2	Skilled	45.17257	562	25386.98434
3	Semi-Skilled	3.5	512	1792
				Total: 230899.20566

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<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>	-	490	Sqm
2	<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>	-	9.9	Cum

3	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.	-	43.975	Cum
i)	BRM029 : Sand for filling and road blinding	1	43.975	1 Cum
4	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.	-	53.5375	Cum
i)	BRM340 : Cement	2.29	122.600875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	25.698	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	51.396	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>	-	47.1115	Cum
i)	BRM340 : Cement	3.23	152.170145	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	21.200175	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	42.40035	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>	-	70	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1869	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	8.82	1Mtr.

7	miscellaneous(ARM017) :Inserting premoulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge. - Inserting premoulded expansion joint including cleaning (labour only)(R.C.C. Works) and as directed by Engineer-in-Charge.	-	36.210238841272	Rmt
i)	BRMM017 : Inserting premoulded expansion joint including cleaning (labour only)(R.C.C. Works)	1	36.210238841272	Rmt

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	43.975	1 Cum	582.31	25607.08225
2	BRM340	274.77102	1 Qntl.	555.297	152579.52309294
3	BRM028	46.898175	1 Cum	587.25	27540.95326875
4	BRM044	51.396	1 Cum.	1440.52	74036.96592
5	BRM056	42.40035	1 Cum.	1841.89	78096.7806615
6	BRM104	0.1869	1Cum.	58573.086	10947.3097734
7	BRM092	8.82	1Mtr.	229.106	2020.71492
8	BRMM017	36.210238841272	Rmt	2.01	72.782580070957
Total: 370902.11246666					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	43.975	1 Cum	410.25	18040.74375
2	BRM028	46.898175	1 Cum	410.25	19239.97629375
3	BRM044	51.396	1 Cum.	159.5	8197.662
4	BRM056	42.40035	1 Cum.	159.5	6762.855825
Total: 52241.23786875					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 7000	Rs. 7000

2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 2674.83	Rs. 2674.83
Total Addition Component Amount (in Rs.): 14674.83		

Total Net Amount (in Rs.): 699999.99437258