

ESTIMATION DPR

State	Odisha	District	Balasore	Block	Remuna	Gram Panchayat	Patripal
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Work Code	OD/346/3307/116286/393011/00072730 (Const of CC Road from Bhimeswar college to Madan majhi houseVill Naigopalpur)
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 (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	5.097024	240.77592	1227.2406428621
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	20.69391744	972.128232	20117.141374101

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	26.70840576	6238.7102787	166626.0055426
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	22.4269056	7664.7749509	171897.18426908

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	81.1600608	216.23489289764	17549.637054654
6	<p>miscellaneous (ARM258) : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. - Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.</p>	Rmt	44.29134	20.01	886.2697134
Total Amount (in Rs.): 378303.4785967					

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 -</p> <p>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>	-	5.097024	Cum
i	Un-Skilled	0.516	2.630064384	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	20.69391744	Cum
i	Un-Skilled	0.1236	2.557768195584	-

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>	-	26.70840576	Cum
i	Skilled	0.18	4.8075130368	-
ii	Un-Skilled	3.9	104.162782464	-
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>	-	22.4269056	Cum
i	Un-Skilled	4.6	103.16376576	-

	ii	Skilled	0.68	15.250295808	-
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	-	81.1600608	Sqm
	i	Semi-Skilled	0.05	4.05800304	-
	ii	Skilled	0.05	4.05800304	-
6		miscellaneous (ARM258) : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. - Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.	-	44.29134	Rmt

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	212.51438080358	462	98181.643931256
2	Skilled	24.1158118848	562	13553.086279258
3	Semi-Skilled	4.05800304	512	2077.69755648
Total:				113812.42776699

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	-	5.097024	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.	-	20.69391744	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.69391744	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>	-	26.70840576	Cum
i)	BRM340 : Cement	2.29	61.1622491904	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.8200347648	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.6400695296	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>	-	22.4269056	Cum
i)	BRM340 : Cement	3.23	72.438905088	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.09210752	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	20.18421504	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	-	81.1600608	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.216697362336	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.2261676608	1Mtr.
6	miscellaneous(ARM25 8) :-Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. - Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.	-	44.29134	Rmt

i)	BRMM258 : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 250mm dia R.C.C. pipe. (Other miscellaneous items)	1	44.29134	Rmt
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	20.69391744	1 Cum	478.15	9894.796623936
2	BRM340	133.6011542784	1 Qntl.	561.987	75082.111889455
3	BRM028	22.9121422848	1 Cum	483.09	11068.626816364
4	BRM044	25.6400695296	1 Cum.	1903.16	48797.154725954
5	BRM056	20.18421504	1 Cum.	2304.53	46515.129086131
6	BRM104	0.216697362336	1Cum.	58573.086	12692.63324008
7	BRM092	10.2261676608	1Mtr.	229.106	2342.8763680952
8	BRMM258	44.29134	Rmt	20.01	886.2697134
Total: 207279.59846341					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	20.69391744	1 Cum	427.25	8841.47622624
2	BRM028	22.9121422848	1 Cum	427.25	9789.2127911808
3	BRM044	25.6400695296	1 Cum.	522.5	13396.936329216
4	BRM056	20.18421504	1 Cum.	522.5	10546.2523584
Total: 42573.877705037					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3783.034785967
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 12913	Rs. 12913
Total Addition Component Amount (in Rs.): 21696.034785967		

Total Net Amount (in Rs.): 399999.51338267