

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sundargarh	<b>Block</b>	Lathikata	<b>Gram Panchayat</b>	Balanda

<b>Work Code</b>	OD/373/3583/121676/384577/00067203 (Construction of Cement Concrete Road from Jhala House to Surendra House at Balanda)						
<b>Project Category</b>	Road						

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Lathikata	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	Bikashita Gaon Bikashita Odisha	<b>Scheme Component Name</b>	Viksit Gaon Vikshit Odisha (VGVO)
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	4395
<b>Fund Sanction Amount (in Rs.)</b>	613396

### 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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	45.301	240.77592	10907.38995192
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	32.596	581.258232	18946.693330272

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	34.4994	5295.63406242	182696.19777305
4	<p style="text-align: center;"><b>R.C.C. Work (AR0410c) :</b>  <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b> - 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	33.4	216.39264180804	7227.5142363885

5	<p><b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</b></p>	Sqm	5.76	663.29946175911	3820.6048997325
6	<p><b>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.</b></p>	Qntl	7.293995	8443.1183613	61584.06311173

7	<p style="text-align: center;"><b>R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b></p> <p>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	13.068	5487.6807955634	71713.012636423
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8	<p align="center"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	31.651	6783.71151454	214711.25314671
9	<p align="center"><b>R.C.C. Work (AR0410f) :</b>  <b>Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b> 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 in ground floor R.C.C. walls and fins including attached pilasters</p>	Sqm	32.4	934.78613583205	30287.070800958
<b>Total Amount (in Rs.): 601893.79988718</b>					

**LABOUR STATEMENT**

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	45.301	Cum
i	Un-Skilled	0.516	23.375316	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	32.596	Cum
i	Un-Skilled	0.1236	4.0288656	-

3	<p><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm.</b>  <b>Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	34.4994	Cum
i	Skilled	0.18	6.209892	-
ii	Un-Skilled	3.9	134.54766	-
4	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b>  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>	-	33.4	Sqm
i	Semi-Skilled	0.05	1.67	-
ii	Skilled	0.05	1.67	-

5	<p><b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</b></p>	-	5.76	Sqm
i	Semi-Skilled	0.305555555555556	1.76	-
ii	Skilled	0.305555555555556	1.76	-
6	<p><b>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.</b></p>	-	7.293995	Qntl
i	Un-Skilled	0.8	5.835196	-

	ii	Highly-Skilled	0.3	2.1881985	-
	iii	Semi-Skilled	0.044	0.32093578	-
7		<b>R.C.C. Work (AR0404A) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	13.068	Cum
	i	Un-Skilled	1.3333	17.4235644	-
	ii	Skilled	0.1	1.3068	-
	iii	Semi-Skilled	0.0573	0.7487964	-

8	<p><b>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	31.651	Cum
i	Un-Skilled	4.6	145.5946	-
ii	Skilled	0.68	21.52268	-
9	<p><b>R.C.C. Work (AR0410f) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b> 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 in ground floor R.C.C. walls and fins including attached pilasters</p>	-	32.4	Sqm
i	Semi-Skilled	0.56485355648536	18.301255230126	-
ii	Skilled	0.56485355648536	18.301255230126	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	330.805202	462	152832.003324
2	Skilled	50.770627230126	562	28533.092503331
3	Semi-Skilled	22.800987410126	512	11674.105553984
4	Highly-Skilled	2.1881985	612	1339.177482
<b>Total:</b>				<b>194378.37886331</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>45.301</b>	Cum
2	<b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	<b>32.596</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	32.596	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	34.4994	Cum
i)	<b>BRM340</b> : Cement	2.29	79.003626	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	16.559712	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	33.119424	1 Cum.
4	<p><b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b>  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>	-	33.4	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.089178	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.2084	1Mtr.

5	<b>R.C.C. Work (AR0410a) :-Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</b>	-	5.76	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	3.584	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.028928	1Cum.
6	<b>R.C.C. Work (AR0409) :-Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.</b>	-	7.293995	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	5.835196	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	7.65869475	1 Qntl.

7	<b>R.C.C. Work (AR0404A)</b> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	<b>13.068</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	45.3890844	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	5.8806	1 Cum
iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	4.70448	1 Cum.
iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	7.05672	1 Cum.

8	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	31.651	Cum
i)	<b>BRM340</b> : Cement	3.23	102.23273	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	14.24295	1 Cum
iii)	<b>BRM056</b> : 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	28.4859	1 Cum.
9	<p><b>R.C.C. Work (AR0410f)</b> <b>:.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b> 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 in ground floor R.C.C. walls and fins including attached pilasters</p>	-	32.4	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.42175732217573	13.664937238494	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051171548117155	0.16579581589958	1Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	32.596	1 Cum	478.15	15585.7774
2	BRM340	226.6254404	1 Qntl.	565.998	128269.54601552
3	BRM028	36.683262	1 Cum	483.09	17721.31703958
4	BRM044	33.119424	1 Cum.	1310.32	43397.04365568
5	BRM104	0.28390181589958	1Cum.	58620.646	16642.507848607
6	BRM092	4.2084	1Mtr.	276.666	1164.3211944
7	BRM084	3.584	1Mtr	297.726	1067.049984
8	BRM162	5.835196	1 Kg.	90.1	525.7511596
9	BRM341	7.65869475	1 Qntl.	6229.558	47710.283149421
10	BRM060	4.70448	1 Cum.	1705.07	8021.4677136
11	BRM052	7.05672	1 Cum.	1697.36	11977.7942592
12	BRM056	28.4859	1 Cum.	1711.69	48759.030171
13	BRM094	13.664937238494	1Mtr.	287.666	3930.9378356485
<b>Total: 344772.82742625</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	32.596	1 Cum	40.25	1311.989
2	BRM028	36.683262	1 Cum	40.25	1476.5012955
3	BRM044	33.119424	1 Cum.	329.5	10912.850208
4	BRM060	4.70448	1 Cum.	329.5	1550.12616
5	BRM052	7.05672	1 Cum.	329.5	2325.18924
6	BRM056	28.4859	1 Cum.	329.5	9386.10405
<b>Total: 26962.7599535</b>					

#### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 6140	Rs. 6140
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 362	Rs. 362
<b>Total Addition Component Amount (in Rs.): 11502</b>		

**Total Net Amount (in Rs.): 613395.79988718**