

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Koraput	<b>Block</b>	Semiliguda	<b>Gram Panchayat</b>	Dudhari

<b>Work Code</b>	OD/363/3479/119915/429966/00069370 (Const of CC Drain at Sundhiput Paraja Sahi)						
<b>Project Category</b>	CD Work						

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Semiliguda	<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>	Drain Masonry or Cement Concrete	<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>	5463
<b>Fund Sanction Amount (in Rs.)</b>	300000

### 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	50.4	240.77592	12135.106368
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	9.6	520.809732	4999.7734272

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	8.4	5424.5261598	45566.01974232
4	<p style="text-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 specifcaion and direction of Engineer-in charge.</p>	Cum	3.9	6921.2768536	26992.97972904

5	<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	168	216.48729115428	36369.864913919
6	<p style="text-align: center;"><b>R.C.C. Work (AR0409) :</b>  <b>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position</b> - 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.</p>	Qntl	5.61651	8442.3794049	47416.708351415

7	<p style="text-align: center;"><b>R.C.C. Work (AR0404Aa) :</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 &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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	19.35	6263.2566415374	121194.01601375
<b>Total Amount (in Rs.): 294674.46854564</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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>	-	50.4	Cum
i	Un-Skilled	0.516	26.0064	-
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>	-	9.6	Cum
i	Un-Skilled	0.1236	1.18656	-

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>	-	8.4	Cum
i	Skilled	0.18	1.512	-
ii	Un-Skilled	3.9	32.76	-
4	<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 specificaion and direction of Engineer-in charge.</p>	-	3.9	Cum
i	Un-Skilled	4.6	17.94	-

	ii	Skilled	0.68	2.652	-
5		<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	-	168	Sqm
	i	Semi-Skilled	0.05	8.4	-
	ii	Skilled	0.05	8.4	-
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 -</b> 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.	-	5.61651	Qntl
	i	Un-Skilled	0.8	4.493208	-

	ii	Highly-Skilled	0.3	1.684953	-
	iii	Semi-Skilled	0.044	0.24712644	-
7		<b>R.C.C. Work (AR0404Aa) :</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	19.35	Cum
	i	Un-Skilled	1.3333	25.799355	-
	ii	Skilled	0.175	3.38625	-
	iii	Semi-Skilled	0.1323	2.560005	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	108.185523	462	49981.711626

2	Skilled	15.95025	562	8964.0405
3	Semi-Skilled	11.20713144	512	5738.05129728
4	Highly-Skilled	1.684953	612	1031.191236
				<b>Total: 65714.99465928</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>50.4</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>9.6</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	9.6	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>	-	8.4	Cum
i)	<b>BRM340</b> : Cement	2.29	19.236	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.032	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.064	1 Cum.
4	<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 specificaion and direction of Engineer-in charge.</p>	-	3.9	Cum
i)	<b>BRM340</b> : Cement	3.23	12.597	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.755	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	3.51	1 Cum.
5	<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	-	168	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.44856	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	21.168	1Mtr.
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 -</b> 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.	-	5.61651	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	4.493208	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	5.8973355	1 Qntl.

7	<b>R.C.C. Work (AR0404Aa)</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	19.35	Cum
i)	<b>BRM340</b> : Cement	3.4733	67.208355	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	8.7075	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	6.966	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	10.449	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.07749675	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	3.65715	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	9.6	1 Cum	413.05	3965.28
2	BRM340	99.041355	1 Qntl.	578.232	57268.88078436
3	BRM028	14.4945	1 Cum	872.67	12648.915315
4	BRM044	8.064	1 Cum.	1336.36	10776.40704
5	BRM056	3.51	1 Cum.	1737.73	6099.4323
6	BRM104	0.52605675	1Cum.	58649.182	30852.798073078
7	BRM092	24.82515	1Mtr.	305.202	7576.6854303
8	BRM162	4.493208	1 Kg.	90.1	404.8380408
9	BRM341	5.8973355	1 Qntl.	6228.242	36730.032649191
10	BRM060	6.966	1 Cum.	1759.78	12258.62748
11	BRM052	10.449	1 Cum.	2271.8	23738.0382
<b>Total: 202319.93531273</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	9.6	1 Cum	45.5	436.8
2	BRM028	14.4945	1 Cum	45.5	659.49975
3	BRM044	8.064	1 Cum.	202.5	1632.96
4	BRM056	3.51	1 Cum.	202.5	710.775
5	BRM060	6.966	1 Cum.	202.5	1410.615
6	BRM052	10.449	1 Cum.	202.5	2115.9225
<b>Total: 6966.57225</b>					

#### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2946.7446854564
2	Display Citizen Board @ Rs. 2378	Rs. 2378
<b>Total Addition Component Amount (in Rs.): 5324.7446854564</b>		

**Total Net Amount (in Rs.): 299999.2132311**