

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Banapur	Gram Panchayat	Bhabanipur

Work Code	OD/362/3458/275270/408425/00102761 (Construction of protection wall at Gateshwarpur Sana Pokhari at Sahaspur)						
Project Category	Water Body						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Banapur	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	Guard Wall or Retaining Wall or Protection Wall	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.	246
Fund Sanction Amount (in Rs.)	850000

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	58.615776	240.77592	14113.267392914
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	62.37766288	1493.237732	93144.679846392

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	19.273122	6192.6828415	119352.33191154
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4	<p style="text-align: center;">R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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 Plinth band)</p>	Cum	9.981672	7420.5652291832	74069.648172312
5	<p style="text-align: center;">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	25.5103502688	5708.4583698	145624.77250846

6	<p style="text-align: center;">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.</p>	Qntl	13.7243734656	8656.9325535	118810.97543074
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7	<p style="text-align: center;">Masonry</p> <p>Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	Cum	38.66234288	5173.6417558	200025.11150102
8	<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	350.54903184	181.22385257	63527.846064728
Total Amount (in Rs.): 828668.63282811					

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 - 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>	-	58.615776	Cum
i	Un-Skilled	0.516	30.245740416	-
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>	-	62.37766288	Cum
i	Un-Skilled	0.1236	7.709879131968	-

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>	-	19.273122	Cum
i	Skilled	0.18	3.46916196	-
ii	Un-Skilled	3.9	75.1651758	-
4	<p>R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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 Plinth band)</p>	-	9.981672	Cum

i	Un-Skilled	1.3333	13.3085632776	-
ii	Skilled	0.35	3.4935852	-
iii	Semi-Skilled	0.3073	3.0673678056	-
5	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.	-	25.5103502688	Cum
i	Un-Skilled	1.21	30.867523825248	-
ii	Skilled	1.05	26.78586778224	-
iii	Highly-Skilled	2.295	58.546253866896	-
iv	Semi-Skilled	1.41	35.969593879008	-

6	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.	-	13.7243734656	Qntl
i	Un-Skilled	0.8	10.97949877248	-
ii	Highly-Skilled	0.3	4.11731203968	-
iii	Semi-Skilled	0.044	0.6038724324864	-

7	<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</p> <p>- Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	38.66234288	Cum
	i Un-Skilled	2.96	114.4405349248	-
	ii Skilled	1.05	40.595460024	-
	iii Highly-Skilled	0.35	13.531820008	-
8	<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>	-	350.54903184	Sqm
	i Un-Skilled	0.12	42.0658838208	-

ii	Skilled	0.14	49.0768644576	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	324.7827999689	462	150049.65358563
2	Skilled	123.42093942384	562	69362.567956198
3	Semi-Skilled	39.640834117094	512	20296.107067952
4	Highly-Skilled	76.195385914576	612	46631.576179721
Total:				286339.9047895

MATERIAL STATEMENT

Sl.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	-	58.615776	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.	-	62.37766288	Cum
i)	BRM029 : Sand for filling and road blinding	1	62.37766288	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.	-	19.273122	Cum
i)	BRM340 : Cement	2.29	44.13544938	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	9.25109856	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	18.50219712	1 Cum.

4	R.C.C. Work (AR0404Ab) :.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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 Plinth band)	-	9.981672	Cum
i)	BRM340 : Cement	3.4733	34.6693413576	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.4917524	1 Cum
iii)	BRM060 : 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	3.59340192	1 Cum.
iv)	BRM052 : 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	5.39010288	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.1332553212	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	6.28845336	1Mtr.

5	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.	-	25.5103502688	Cum
i)	BRM340 : Cement	0.572	14.591920353754	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	6.122484064512	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	25.5103502688	1 Cum.
6	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.	-	13.7243734656	Qntl
i)	BRM162 : Binding Wire.	0.8	10.97949877248	1 Kg.
ii)	BRM341 : Steel	1.05	14.41059213888	1 Qntl.

7	Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	38.66234288	Cum
i)	BRM340 : Cement	0.672	25.98109441536	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	10.8254560064	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	13531.820008	1000 Nos
8	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.	-	350.54903184	Sqm
i)	BRM340 : Cement	0.0358	12.549655339872	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	5.2582354776	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM029	62.37766288	1 Cum	1378.1	85962.657214928
2	BRM340	131.92746084659	1 Qntl.	569.387	75117.781149055
3	BRM028	35.949026508512	1 Cum	1384.49	49771.06771077
4	BRM044	18.50219712	1 Cum.	1903.16	35212.641470899
5	BRM060	3.59340192	1 Cum.	2305.58	8284.8755987136
6	BRM052	5.39010288	1 Cum.	2290.2	12344.413615776
7	BRM104	0.1332553212	1Cum.	58573.086	7805.1753886052
8	BRM092	6.28845336	1Mtr.	229.106	1440.7223954962
9	BRM079	25.5103502688	1 Cum.	1461.69	37288.223884402
10	BRM162	10.97949877248	1 Kg.	90.1	989.25283940045
11	BRM341	14.41059213888	1 Qntl.	6398.787	92210.309640568
12	BRM005	13531.820008	1000 Nos	6.00665	81280.906651053
Total: 487708.02755967					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	62.37766288	1 Cum	43.25	2697.83391956
2	BRM028	35.949026508512	1 Cum	43.25	1554.7953964931
3	BRM044	18.50219712	1 Cum.	195.5	3617.17953696
4	BRM060	3.59340192	1 Cum.	195.5	702.51007536
5	BRM052	5.39010288	1 Cum.	195.5	1053.76511304
6	BRM079	25.5103502688	1 Cum.	190.25	4853.3441386392
Total: 14479.428180052					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 5000	Rs. 5000
2	Any Other Lumpsum @ 1%	Rs. 8286.6863282811
3	Provision for Contingency @ Rs. 8000	Rs. 8000
Total Addition Component Amount (in Rs.): 21286.686328281		

Total Net Amount (in Rs.): 849955.31915639