

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Banapur	Gram Panchayat	Kumarangasana

Work Code	OD/362/3458/119571/408493/00102407 (Construction of Drain at Ekadalia village)						
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	Drainage Work	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	246
Fund Sanction Amount (in Rs.)	450000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

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	50	240.77592	12038.796
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	7.5	1560.907732	11706.80799

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	7.5	6432.6588415	48244.94131125
---	---	-----	-----	--------------	----------------

4	<p style="text-align: center;">R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>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)</p>	Cum	21.5	6564.368264695	141133.91769094
---	---	-----	------	----------------	-----------------

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 specificaion and direction of Engineer-in charge.</p>	Cum	1	7834.4199645	7834.4199645
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	5.5	8656.9325535	47613.12904425

7	<p>R.C.C. Work (AR0410f) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centering 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	185	934.29150984209	172843.92932079
Total Amount (in Rs.): 441415.94132173					

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>	-	50	Cum
i	Un-Skilled	0.516	25.8	-

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.	-	7.5	Cum
i	Un-Skilled	0.1236	0.927	-
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.	-	7.5	Cum
i	Skilled	0.18	1.35	-
ii	Un-Skilled	3.9	29.25	-

4	R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	21.5	Cum
i	Un-Skilled	1.3333	28.66595	-
ii	Skilled	0.1	2.15	-
iii	Semi-Skilled	0.0573	1.23195	-

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>	-	1	Cum
i	Un-Skilled	4.6	4.6	-
ii	Skilled	0.68	0.68	-
6	<p>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>	-	5.5	Qntl
i	Un-Skilled	0.8	4.4	-

	ii	Highly-Skilled	0.3	1.65	-
	iii	Semi-Skilled	0.044	0.242	-
7		R.C.C. Work (AR0410f) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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	-	185	Sqm
	i	Semi-Skilled	0.56485355648536	104.49790794979	-
	ii	Skilled	0.56485355648536	104.49790794979	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	93.64295	462	43263.0429
2	Skilled	108.67790794979	562	61076.984267782
3	Semi-Skilled	105.97185794979	512	54257.591270293
4	Highly-Skilled	1.65	612	1009.8
Total:				159607.41843808

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	-	50	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.	-	7.5	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.5	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.	-	7.5	Cum
i)	BRM340 : Cement	2.29	17.175	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.6	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.2	1 Cum.
4	R.C.C. Work (AR0404A) :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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	21.5	Cum
i)	BRM340 : Cement	3.4733	74.67595	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.675	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	7.74	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	11.61	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>	-		1	Cum
i)	BRM340 : Cement	3.23		3.23	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45		0.45	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		0.9	1 Cum.
6	<p>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>	-		5.5	Qntl
i)	BRM162 : Binding Wire.	0.8		4.4	1 Kg.
ii)	BRM341 : Steel	1.05		5.775	1 Qntl.

7	R.C.C. Work (AR0410f) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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	-	185	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.42175732217573	78.02510460251	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051171548117155	0.94667364016736	1Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.5	1 Cum	1378.1	10335.75
2	BRM340	95.08095	1 Qntl.	569.387	54137.85687765
3	BRM028	13.725	1 Cum	1384.49	19002.12525
4	BRM044	7.2	1 Cum.	1903.16	13702.752
5	BRM060	7.74	1 Cum.	2305.58	17845.1892
6	BRM052	11.61	1 Cum.	2290.2	26589.222
7	BRM056	0.9	1 Cum.	2280.62	2052.558
8	BRM162	4.4	1 Kg.	90.1	396.44
9	BRM341	5.775	1 Qntl.	6398.787	36952.994925
10	BRM094	78.02510460251	1Mtr.	240.106	18734.29576569
11	BRM104	0.94667364016736	1Cum.	58573.086	55449.596539456
Total: 255198.7805578					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.5	1 Cum	110.25	826.875
2	BRM028	13.725	1 Cum	110.25	1513.18125
3	BRM044	7.2	1 Cum.	409.5	2948.4
4	BRM060	7.74	1 Cum.	409.5	3169.53

5	BRM052	11.61	1 Cum.	409.5	4754.295
6	BRM056	0.9	1 Cum.	409.5	368.55
					Total: 13580.83125

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 4000	Rs. 4000
2	Any Other Lumpsum @ Rs. 83	Rs. 83
3	Provision for Contingency @ Rs. 4500	Rs. 4500
		Total Addition Component Amount (in Rs.): 8583

Total Net Amount (in Rs.): 449998.94132173