

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Arbandh

Work Code	OD/346/3305/116231/393265/00068449 (Const of Pokaghata and changing room near AWC Tank)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Nilgiri	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	Bathing Ghat or Changing Room	Project Type	New Work
Name of Executant			

Administrative Approval Details

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

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	3808
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

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

1	<p style="text-align: center;">Pile Foundation (AR1501ca) : Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips -</p> <p>Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)</p>	Nos	22	2460.12966142	54122.85255124
---	--	-----	----	---------------	----------------

2	<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	169.21868226816	240.77592	40743.783904304
3	<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	14.582063898643	1053.029232	15355.339548163

4	<p style="text-align: center;">Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	6.6157297031232	6157.46820776	40736.145318115
---	--	-----	-----------------	---------------	-----------------

5	<p style="text-align: center;">R.C.C. Work (AR0404Ab) :</p> <p>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	9.2264897883264	7594.6196171754	70071.680344092
---	--	-----	-----------------	-----------------	-----------------

6	<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>	Cum	10.52818624	7795.03265312	82067.555518929
7	<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>	Qntl	10.14	8638.4039318	87593.415868452

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Pile Foundation (AR1501ca) : Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips -</p> <p>Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)</p>	-	22	Nos
	i Highly-Skilled	1.175	25.85	-
	ii Un-Skilled	0.283	6.226	-
	iii Skilled	0.021	0.462	-
	iv Semi-Skilled	0.013	0.286	-

2	<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>	-	169.21868226816	Cum
i	Un-Skilled	0.516	87.316840050371	-
3	<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>	-	14.582063898643	Cum
i	Un-Skilled	0.1236	1.8023430978723	-

4	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	6.6157297031232	Cum
	i Un-Skilled	3.9	25.80134584218	-
	ii Skilled	0.18	1.1908313465622	-
5	<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>	-	9.2264897883264	Cum

	i	Un-Skilled	1.3333	12.301678834776	-
	ii	Skilled	0.35	3.2292714259142	-
	iii	Semi-Skilled	0.3073	2.8353003119527	-
6		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.	-	10.52818624	Cum
	i	Un-Skilled	4.6	48.429656704	-
	ii	Skilled	0.68	7.1591666432	-

7	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.	-	10.14	Qntl
i	Un-Skilled	0.8	8.112	-
ii	Highly-Skilled	0.3	3.042	-
iii	Semi-Skilled	0.044	0.44616	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Highly-Skilled	28.892	612	17681.904
2	Un-Skilled	189.9898645292	462	87775.31741249
3	Skilled	12.041269415676	562	6767.1934116101
4	Semi-Skilled	3.5674603119527	512	1826.5396797198
Total:				114050.95450382

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	<p>Pile Foundation(AR1501ca) :.Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips -</p> <p>Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)</p>	-	22	Nos
i)	BRM178 : Bentonite powder	0.588	12.936	1Qntl
ii)	BRM342 : Tripod	0.235	5.17	Per day
iii)	BRM340 : Cement	0.805	17.71	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.096	2.112	1 Cum
v)	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)	0.19	4.18	1 Cum.

2	<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>	-	169.21868226816	Cum
3	<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>	-	14.582063898643	Cum
i)	BRM029 : Sand for filling and road blinding	1	14.582063898643	1 Cum
4	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	6.6157297031232	Cum
i)	BRM340 : Cement	2.29	15.150021020152	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.1755502574991	1 Cum

iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	6.3511005149983	1 Cum.
5	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)	-	9.2264897883264	Cum
i)	BRM340 : Cement	3.4733	32.046366981794	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.1519204047469	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	3.3215363237975	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	4.9823044856963	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.12317363867416	1Cum.

vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	5.8126885666456	1Mtr.
6	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.	-	10.52818624	Cum
i)	BRM340 : Cement	3.23	34.0060415552	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.737683808	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	9.475367616	1 Cum.
7	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.	-	10.14	Qntl

i)	BRM162 : Binding Wire.	0.8	8.112	1 Kg.
ii)	BRM341 : Steel	1.05	10.647	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM178	12.936	1Qntl	337.87	4370.68632
2	BRM342	5.17	Per day	450	2326.5
3	BRM340	98.912429557146	1 Qntl.	576.412	57014.311345894
4	BRM028	14.177154470246	1 Cum	548.19	7771.7743090442
5	BRM056	13.655367616	1 Cum.	2350.53	32097.351242436
6	BRM029	14.582063898643	1 Cum	543.25	7921.7062129378
7	BRM045	6.3511005149983	1 Cum.	1741.27	11058.980793751
8	BRM060	3.3215363237975	1 Cum.	2372.58	7880.6106511155
9	BRM052	4.9823044856963	1 Cum.	2336.2	11639.659739484
10	BRM104	0.12317363867416	1Cum.	58620.646	7220.5182692497
11	BRM092	5.8126885666456	1Mtr.	276.666	1608.1732949796
12	BRM162	8.112	1 Kg.	90	730.08
13	BRM341	10.647	1 Qntl.	6384.952	67980.583944
Total: 219620.93612289					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	14.177154470246	1 Cum	442.25	6269.8465644663
2	BRM056	13.655367616	1 Cum.	522.5	7134.92957936
3	BRM029	14.582063898643	1 Cum	442.25	6448.9177591749
4	BRM045	6.3511005149983	1 Cum.	522.5	3318.4500190866
5	BRM060	3.3215363237975	1 Cum.	522.5	1735.5027291842
6	BRM052	4.9823044856963	1 Cum.	522.5	2603.2540937763
Total: 27510.900745048					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 5000	Rs. 5000
2	Any Other Lumpsum @ Rs. 309	Rs. 309

3	Provision for Contingency @ Rs. 4000	Rs. 4000
Total Addition Component Amount (in Rs.): 9309		

Total Net Amount (in Rs.): 399999.77305329