

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Oupada	Gram Panchayat	Fatepur

Work Code	OD/346/3306/116259/393383/00066703 (Construction of Drain from Bhaskar majhi House to Kashinath Majhi house)						
Project Category	Water Body						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Oupada	Proposal Date	28-05-2025
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.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	3044
Fund Sanction Amount (in Rs.)	485080

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	93.9551424	240.77592	22622.135850091
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	30.1998672	1707.711232	51572.652422348

3	<p style="text-align: center;">Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hard Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hard 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	13.4221632	6194.1280707	83138.597846637
4	<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	14.0928	8421.6029474	118683.96601712

5	<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 - 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	23.4887856	6525.655110539	153279.71379099
6	<p style="text-align: center;">R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	176.144088	216.23489289764	38088.498003232

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	93.9551424	Cum
i	Un-Skilled	0.516	48.4808534784	-
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.	-	30.1998672	Cum
i	Un-Skilled	0.1236	3.73270358592	-

3	<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>	-	13.4221632	Cum
	i Un-Skilled	3.9	52.34643648	-
	ii Skilled	0.18	2.415989376	-
4	<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>	-	14.0928	Qntl
	i Un-Skilled	0.8	11.27424	-

	ii	Highly-Skilled	0.3	4.22784	-
	iii	Semi-Skilled	0.044	0.6200832	-
5		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)	-	23.4887856	Cum
	i	Un-Skilled	1.3333	31.31759784048	-
	ii	Skilled	0.1	2.34887856	-
	iii	Semi-Skilled	0.0573	1.34590741488	-

6	R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	-	176.144088	Sqm
i	Semi-Skilled	0.05	8.8072044	-
ii	Skilled	0.05	8.8072044	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	147.1518313848	462	67984.146099778
2	Skilled	13.572072336	562	7627.504652832
3	Highly-Skilled	4.22784	612	2587.43808
4	Semi-Skilled	10.77319501488	512	5515.8758476186
Total:				83714.964680228

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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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>	-	93.9551424	Cum
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>	-	30.1998672	Cum
i)	BRM029 : Sand for filling and road blinding	1	30.1998672	1 Cum
3	<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>	-	13.4221632	Cum
i)	BRM340 : Cement	2.29	30.736753728	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.442638336	1 Cum

iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	12.885276672	1 Cum.
4	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.	-	14.0928	Qntl
i)	BRM162 : Binding Wire.	0.8	11.27424	1 Kg.
ii)	BRM341 : Steel	1.05	14.79744	1 Qntl.
5	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)	-	23.4887856	Cum
i)	BRM340 : Cement	3.4733	81.58359902448	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.56995352	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	8.455962816	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	12.683944224	1 Cum.
6	R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	-	176.144088	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.47030471496	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	22.194155088	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	30.1998672	1 Cum	1191.45	35981.63177544
2	BRM340	112.32035275248	1 Qntl.	561.987	63122.578082308
3	BRM028	17.012591856	1 Cum	1196.39	20353.6947706
4	BRM045	12.885276672	1 Cum.	1493.03	19238.104629596
5	BRM162	11.27424	1 Kg.	90	1014.6816
6	BRM341	14.79744	1 Qntl.	6210.797	91903.89595968
7	BRM060	8.455962816	1 Cum.	2124.34	17963.340048541
8	BRM052	12.683944224	1 Cum.	2087.96	26483.568181943

9	BRM104	0.47030471496	1Cum.	58573.086	27547.198515558
10	BRM092	22.194155088	1Mtr.	229.106	5084.8140955913
					Total: 308693.50765926

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	30.1998672	1 Cum	442.25	13355.8912692
2	BRM028	17.012591856	1 Cum	442.25	7523.818748316
3	BRM045	12.885276672	1 Cum.	522.5	6732.55706112
4	BRM060	8.455962816	1 Cum.	522.5	4418.24057136
5	BRM052	12.683944224	1 Cum.	522.5	6627.36085704
					Total: 38657.868507036

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 5000	Rs. 5000
2	Any Other Lumpsum @ Rs. 3316.72	Rs. 3316.72
3	Provision for Contingency @ 2%	Rs. 9347.7112786084
		Total Addition Component Amount (in Rs.): 17664.431278608

Total Net Amount (in Rs.): 485049.99520903