

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Rayagada	Gram Panchayat	Miraballi

Work Code	OD/370/3557/121271/426600/00072915 (Construction of RCC Drain near Sandhubadi Jani Sahi.)
Project Category	CD Work

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Rayagada	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	Drain Masonry or Cement Concrete	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.	39
Fund Sanction Amount (in Rs.)	350000

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	40.005	240.77592	9632.2406796
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	5.715	993.105932	5675.60040138

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	7.62	5725.63227042	43629.3179006
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	10	8678.1421293	86781.421293

5	<p style="text-align: center;">R.C.C. Work (AR0402) :</p> <p>Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only)</p> <p>- 'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)</p>	Cum	19.05	8090.96712742	154132.92377735
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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	Sqm	190.5	216.39264180804	41222.798264432
Total Amount (in Rs.): 341074.30231636					

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	-	40.005	Cum
i	Un-Skilled	0.516	20.64258	-

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>	-	5.715	Cum
i	Un-Skilled	0.1236	0.706374	-
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>	-	7.62	Cum
i	Skilled	0.18	1.3716	-
ii	Un-Skilled	3.9	29.718	-

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.	-	10	Qntl
i	Un-Skilled	0.8	8	-
ii	Highly-Skilled	0.3	3	-
iii	Semi-Skilled	0.044	0.44	-

5	<p>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting (To be used for minor repair work only) - 'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)</p>	-	19.05	Cum
i	Un-Skilled	4.6	87.63	-
ii	Skilled	0.68	12.954	-
6	<p>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>	-	190.5	Sqm

i	Semi-Skilled	0.05	9.525	-
ii	Skilled	0.05	9.525	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	146.696954	462	67773.992748
2	Skilled	23.8506	562	13404.0372
3	Highly-Skilled	3	612	1836
4	Semi-Skilled	9.965	512	5102.08
Total:				88116.109948

MATERIAL STATEMENT

SI.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	-	40.005	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.	-	5.715	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.715	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.	-	7.62	Cum
i)	BRM340 : Cement	2.29	17.4498	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.6576	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.3152	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.	-	10	Qntl
i)	BRM162 : Binding Wire.	0.8	8	1 Kg.
ii)	BRM341 : Steel	1.05	10.5	1 Qntl.
5	R.C.C. Work (AR0402) :.Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) - 'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)	-	19.05	Cum
i)	BRM340 : Cement	4.29	81.7245	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.5725	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	17.145	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	-	190.5	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.508635	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	24.003	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	5.715	1 Cum	738.55	4220.81325
2	BRM340	99.1743	1 Qntl.	630.417	62521.1646831
3	BRM028	12.2301	1 Cum	743.49	9092.957049
4	BRM044	7.3152	1 Cum.	1551.51	11349.605952
5	BRM162	8	1 Kg.	90.1	720.8
6	BRM341	10.5	1 Qntl.	6421.177	67422.3585
7	BRM056	17.145	1 Cum.	1998.13	34257.93885
8	BRM104	0.508635	1Cum.	58620.646	29816.51227821
9	BRM092	24.003	1Mtr.	276.666	6640.813998
Total: 226042.96456031					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	5.715	1 Cum	187.62	1072.2483

2	BRM028	12.2301	1 Cum	187.62	2294.611362
3	BRM044	7.3152	1 Cum.	157.3	1150.68096
4	BRM056	17.145	1 Cum.	157.3	2696.9085
Total: 7214.449122					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3410.7430231636
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 514.95	Rs. 514.95
Total Addition Component Amount (in Rs.): 8925.6930231636		

Total Net Amount (in Rs.): 349999.99533953