

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Remuna	Gram Panchayat	Srijang

Work Code	OD/346/3307/116290/392876/00072736 (Const of Drain from Parshuram Jena house to Dhalagadi VillMahamadabad GPSrijung)						
Project Category	CD Work						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Remuna	Proposal Date	01-12-2025
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.	4818
Fund Sanction Amount (in Rs.)	300000

### 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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	26.25	240.77592	6320.3679
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	3.5	1327.183632	4645.142712

3	<p style="text-align: center;"><b>Concrete (AR0303a) :</b>  <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	3.5	6149.36235176	21522.76823116
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4	<p style="text-align: center;"><b>R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b></p> <p>Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	14	6505.0571681352	91070.800353893
5	<p style="text-align: center;"><b>R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b></p> <p>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. Lintels Data for 7.8 sqm</p>	Sqm	150	499.57698698128	74936.548047192

6	<p style="text-align: center;"><b>R.C.C. Work (AR0409) :</b>  <b>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b>  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	6.3	8638.4039318	54421.94477034
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7	<p>miscellaneous (ARM260) :  Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. - Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.</p>	Rmt	72	30.32	2183.04
<b>Total Amount (in Rs.): 255100.61201458</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	26.25	Cum
i	Un-Skilled	0.516	13.545	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	3.5	Cum
i	Un-Skilled	0.1236	0.4326	-

3	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	3.5	Cum
i	Un-Skilled	3.9	13.65	-
ii	Skilled	0.18	0.63	-
4	<p><b>R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	14	Cum

	i	Un-Skilled	1.3333	18.6662	-
	ii	Skilled	0.1	1.4	-
	iii	Semi-Skilled	0.0573	0.8022	-
5		<b>R.C.C. Work (AR0410e) : 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 R.C.C. Lintels Data for 7.8 sqm</b>	-	150	Sqm
	i	Semi-Skilled	0.16025641025641	24.038461538462	-
	ii	Skilled	0.16025641025641	24.038461538462	-

6	<b>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 -</b> 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.	-	6.3	Qntl
i	Un-Skilled	0.8	5.04	-
ii	Highly-Skilled	0.3	1.89	-
iii	Semi-Skilled	0.044	0.2772	-

7	<p>miscellaneous (ARM260) : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. -</p> <p>Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	72	Rmt
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SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	51.3338	462	23716.2156
2	Skilled	26.068461538462	562	14650.475384615
3	Semi-Skilled	25.117861538462	512	12860.345107692
4	Highly-Skilled	1.89	612	1156.68
<b>Total:</b>				<b>52383.716092308</b>

#### 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><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	26.25	Cum
2	<p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	3.5	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	3.5	1 Cum
3	<p><b>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	3.5	Cum
i)	<p><b>BRM340 : Cement</b></p>	2.29	8.015	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.48	1.68	1 Cum

iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	3.36	1 Cum.
4	<b>R.C.C. Work (AR0404A)</b> :.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)	-	14	Cum
i)	<b>BRM340</b> : Cement	3.4733	48.6262	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	6.3	1 Cum
iii)	<b>BRM060</b> : 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	5.04	1 Cum.
iv)	<b>BRM052</b> : 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	7.56	1 Cum.

5	<b>R.C.C. Work (AR0410e) :.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 R.C.C. Lintels Data for 7.8 sqm</b>	-	150	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	40.384615384615	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.79423076923077	1Cum.
6	<b>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.</b>	-	6.3	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	5.04	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	6.615	1 Qntl.

7	miscellaneous(ARM260) :.Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge. - Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.	-	72	Rmt
i)	<b>BRMM260</b> : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 450mm dia R.C.C. pipe. (Other miscellaneous items)	1	72	Rmt

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	3.5	1 Cum	829.69	2903.915
2	<b>BRM340</b>	56.6412	1 Qntl.	576.412	32648.6673744
3	<b>BRM028</b>	7.98	1 Cum	834.63	6660.3474
4	<b>BRM045</b>	3.36	1 Cum.	1597.19	5366.5584
5	<b>BRM060</b>	5.04	1 Cum.	2228.5	11231.64
6	<b>BRM052</b>	7.56	1 Cum.	2192.12	16572.4272
7	<b>BRM094</b>	40.384615384615	1Mtr.	287.666	11617.280769231
8	<b>BRM104</b>	0.79423076923077	1Cum.	58620.646	46558.320765385
9	<b>BRM162</b>	5.04	1 Kg.	90	453.6
10	<b>BRM341</b>	6.615	1 Qntl.	6384.952	42236.45748
11	<b>BRMM260</b>	72	Rmt	30.32	2183.04
<b>Total: 178432.25438902</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	<b>BRM029</b>	3.5	1 Cum	427.25	1495.375
2	<b>BRM028</b>	7.98	1 Cum	427.25	3409.455
3	<b>BRM045</b>	3.36	1 Cum.	522.5	1755.6
4	<b>BRM060</b>	5.04	1 Cum.	522.5	2633.4
5	<b>BRM052</b>	7.56	1 Cum.	522.5	3950.1
<b>Total: 13243.93</b>					

#### **ADDITION COMPONENT**

<b>SI.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for PH Work @ Rs. 1	Rs. 1
2	Provision for EI Work @ Rs. 1	Rs. 1
3	Provision for Contingency @ Rs. 3000	Rs. 3000
4	Display Citizen Board @ Rs. 5000	Rs. 5000
5	Any Other Lumpsum @ Rs. 36897	Rs. 36897
<b>Total Addition Component Amount (in Rs.): 44899</b>		

**Total Net Amount (in Rs.): 299999.61201458**