

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sonepur	<b>Block</b>	Dunguripali	<b>Gram Panchayat</b>	Tangarkarley

<b>Work Code</b>	OD/372/3569/121473/419071/00064173 (RENO OF TANK AT SANBHALUPALI)
<b>Project Category</b>	Water Body

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Dunguripali	<b>Proposal Date</b>	15-07-2025
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	SFC Devolution of Fund	<b>Scheme Component Name</b>	5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD
<b>Project Sub-Category</b>	Tank	<b>Project Type</b>	Renovation or Rejuvenation
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	3713
<b>Fund Sanction Amount (in Rs.)</b>	500000

### 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>Special items for irrigation works (AR0216) :</b>  <b>Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum -</b>  Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p>	Cum	3681.544	67.165	247270.90276
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2	<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	18.657	240.77592	4492.15633944
3	<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	15.975	646.807232	10332.7455312

4	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	31.602	5377.97835848	169954.87208468
5	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b> - 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&amp;P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	5.49	6821.14546976	37448.088628982

6	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	Sqm	26.64	167.4762334896	4461.5668601629
7	<p><b>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</b></p>	Sqm	64.59	216.23489289764	13966.611732259
<b>Total Amount (in Rs.): 487926.94393673</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>Special items for irrigation works (AR0216) :</b>  <b>Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum</b> - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p>	-	3681.544	Cum
2	<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>	-	18.657	Cum
i	Un-Skilled	0.516	9.627012	-

3	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	15.975	Cum
i	Un-Skilled	0.1236	1.97451	-
4	<b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	31.602	Cum
i	Skilled	0.18	5.68836	-
ii	Un-Skilled	3.9	123.2478	-

5	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	5.49	Cum
i	Un-Skilled	4.6	25.254	-
ii	Skilled	0.68	3.7332	-
6	<p><b>Plastering (AR1004) :</b>  <b>12mm thick cement plster (1:6) over Brick work in inside -</b> 12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	26.64	Sqm
i	Un-Skilled	0.12	3.1968	-
ii	Skilled	0.14	3.7296	-

7	<b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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	-	64.59	Sqm
i	Semi-Skilled	0.05	3.2295	-
ii	Skilled	0.05	3.2295	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	163.300122	462	75444.656364
2	Skilled	16.38066	562	9205.93092
3	Semi-Skilled	3.2295	512	1653.504
<b>Total: 86304.091284</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>Special items for irrigation works(AR0216)</b>  <b>.Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum -</b> Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p>	-	3681.544	Cum
i)	<b>BRMMR0065</b> : Add for trimming of slope and bed manually.	1	3681.544	L.S.
ii)	<b>BRMMR0102</b> : Cost of mechanical excavation per cum without supervision charge for item AR0216	1	3681.544	Cum
iii)	<b>BRMMR0104</b> : ost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges - AR0216	1	3681.544	Cum

2	<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>	-	18.657	Cum
3	<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>	-	15.975	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	15.975	1 Cum
4	<p><b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	31.602	Cum
i)	<b>BRM340</b> : Cement	2.29	72.36858	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	15.16896	1 Cum

iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	30.33792	1 Cum.
5	<b>Concrete (AR0307)</b> :.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.	-	5.49	Cum
i)	<b>BRM340</b> : Cement	3.23	17.7327	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.4705	1 Cum
iii)	<b>BRM056</b> : 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	4.941	1 Cum.
6	<b>Plastering (AR1004)</b> :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	26.64	Sqm
i)	<b>BRM340</b> : Cement	0.0358	0.953712	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.3996	1 Cum

7	<b>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</b>	-	64.59	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1724553	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	8.13834	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRMMR0065</b>	3681.544	L.S.	1	3681.544
2	<b>BRMMR0102</b>	3681.544	Cum	25.01	92075.41544
3	<b>BRMMR0104</b>	3681.544	Cum	40.49	149065.71656
4	<b>BRM029</b>	15.975	1 Cum	413.05	6598.47375
5	<b>BRM340</b>	91.054992	1 Qntl.	546.172	49731.687090624
6	<b>BRM028</b>	18.03906	1 Cum	417.99	7540.1466894
7	<b>BRM044</b>	30.33792	1 Cum.	1466.56	44492.3799552
8	<b>BRM056</b>	4.941	1 Cum.	1851.31	9147.32271
9	<b>BRM104</b>	0.1724553	1Cum.	58573.086	10101.239118056
10	<b>BRM092</b>	8.13834	1Mtr.	229.106	1864.54252404
<b>Total: 374298.46783732</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	15.975	1 Cum	170.25	2719.74375
2	<b>BRM028</b>	18.03906	1 Cum	170.25	3071.149965
3	<b>BRM044</b>	30.33792	1 Cum.	279.5	8479.44864
4	<b>BRM056</b>	4.941	1 Cum.	279.5	1381.0095
<b>Total: 15651.351855</b>					

**ADDITION COMPONENT**

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Display Citizen Board @ Rs. 2000	Rs. 2000
2	Any Other Lumpsum @ Rs. 5073	Rs. 5073
3	Provision for Contingency @ Rs. 5000	Rs. 5000
		<b>Total Addition Component Amount (in Rs.): 12073</b>

**Total Net Amount (in Rs.): 499999.94393673**