

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Mayurbhanj	<b>Block</b>	Bahalda	<b>Gram Panchayat</b>	Jashipur

<b>Work Code</b>	OD/365/3488/120075/387443/00047698 (Renovation of Badumundu bandha Rangamatia)
<b>Project Category</b>	Water Body

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bahalda	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	02-02-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Tank	<b>Project Type</b>	Renovation or Rejuvenation
<b>Name of Executant</b>	SARANGADHAR PRADHAN		

### Administrative Approval Details

<b>Approval No.</b>	OD/365/3488/120075/387443/00047698/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/365/3488/120075/387443/00047698/TS
<b>Fund Sanction No.</b>	26956
<b>Fund Sanction Amount (in Rs.)</b>	400000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0122aa) :.1st depth of 1.5m initial rate of foundation in Ordinary soil - 1st depth of 1.5m initial rate of foundation in Ordinary soil (Earth work in open well excavation with lead upto 50m for 100cum) as per direction of Engineer-in-Charge	-	662.61312	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>	-	45.070151552	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>	-	23.995939488	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	23.995939488	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>	-	25.79723909632	Cum
i)	<b>BRM340</b> : Cement	2.29	59.075677530573	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	12.382674766234	1 Cum

iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	24.765349532467	1 Cum.
5	<b>Concrete (AR0307) :.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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	<b>3.955715376</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	12.77696066448	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.7800719192	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	3.5601438384	1 Cum.
6	<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	-	<b>103.06937529</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2751952320243	1Cum.

ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	12.98674128654	1Mtr.
7	<b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	<b>1.30048868352</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	0.87392839532544	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	0.3641368313856	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	455.171039232	1000 Nos

8	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	3.57213883488	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1	3.57213883488	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672	2.4004772970394	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28	1.0001988737664	1 Cum
iv)	<p><b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b></p>	350	1250.248592208	1000 Nos
9	<p><b>Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b></p>	-	31.958632	Sqm
i)	<p><b>BRM340 : Cement</b></p>	0.0372	1.1888611104	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.23968974	1 Cum
10	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside</b> - 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 & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	<b>19.21977264</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	0.688067860512	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.2882965896	1 Cum
11	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 16mm thick cement Plaster in CM (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.	-	<b>17.7552683286</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	0.7634765381298	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.3195948299148	1 Cum

12	<b>Painting(AR0918c)</b> :.Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	36.98	Sqm
i)	<b>BRM143</b> : Cement paint	0.25	9.245	1 Kg.
ii)	<b>BRM340</b> : Cement	0.010763440860215	0.39803204301075	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	23.995939488	1 Cum	622.88	14946.590788285
2	<b>BRM340</b>	78.16548143947	1 Qntl.	653	51042.059379974
3	<b>BRM028</b>	16.3746635501	1 Cum	629.3	10304.575772078
4	<b>BRM044</b>	24.765349532467	1 Cum.	1687.9	41801.433475851
5	<b>BRM056</b>	3.5601438384	1 Cum.	2089.27	7438.101717254
6	<b>BRM104</b>	0.2751952320243	1Cum.	58573.086	16119.033992149
7	<b>BRM092</b>	12.98674128654	1Mtr.	229.106	2975.340349194
8	<b>BRM005</b>	1705.41963144	1000 Nos	6.65925	11356.815680667
9	<b>BRMMR0025</b>	3.57213883488	1 Cum	33	117.88058155104
10	<b>BRM143</b>	9.245	1 Kg.	48.28	446.3486
<b>Total: 156548.180337</b>					