

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Rayagada	Gram Panchayat	Matikona

Work Code	OD/370/3557/121270/426366/00039274 (Improvement of Tank at Matikona)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Rayagada	Proposal Date	-
Date of Commencement	13-02-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Preservation and Development of Water Bodies
Project Sub-Category	Tank	Project Type	New Work
Name of Executant	DEEPTI RANJAN BEHERA		

Administrative Approval Details

Approval No.	OD/370/3557/121270/426366/00039274/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3557/121270/426366/00039274/TS
Fund Sanction No.	34998
Fund Sanction Amount (in Rs.)	663694

MATERIAL STATEMENT

Sl.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	-	45.735	Cum

2	<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>	-	79.31	Cum
i)	BRM340 : Cement	2.29	181.6199	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	38.0688	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	76.1376	1 Cum.
3	<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>	-	99.6	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.265932	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	12.5496	1Mtr.

4	R.C.C. Work (AR0410a) :-Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	6.6	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	4.10666666666667	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.033146666666667	1Cum.
5	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.	-	1.5	Qntl
i)	BRM162 : Binding Wire.	0.8	1.2	1 Kg.
ii)	BRM341 : Steel	1.05	1.575	1 Qntl.

6	<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) -</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>	-	1.32	Cum
i)	BRM340 : Cement	4.29	5.6628	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.594	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	1.188	1 Cum.

7	Masonry Stone Work (AR0713) :.Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones - Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in charge. (15cm-30cm)	-		60	Cum
i)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1		60	1 Cum.
8	Concrete (AR0307) :.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 specifaion and direction of Engineer-in charge.	-		8.0975	Cum
i)	BRM340 : Cement	3.23		26.154925	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45		3.643875	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		7.28775	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM340	213.437625	1 Qntl.	600.692	128210.2738365
2	BRM028	42.306675	1 Cum	483.09	20437.93162575
3	BRM044	76.1376	1 Cum.	1421.31	108215.132256
4	BRM104	0.299078666666667	1Cum.	58620.646	17532.184644819
5	BRM092	12.5496	1Mtr.	229.106	2875.1886576
6	BRM084	4.10666666666667	1Mtr	250.166	1027.3483733333
7	BRM162	1.2	1 Kg.	90.1	108.12
8	BRM341	1.575	1 Qntl.	6397.397	10075.900275
9	BRM056	8.47575	1 Cum.	1867.93	15832.1076975
10	BRM034	60	1 Cum.	763.27	45796.2
Total: 350110.3873665					