

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Patana	Gram Panchayat	Chinamaliposi

Work Code	OD/361/3453/119478/386600/00036066 (IMPROVEMENT OF ASANANALI TANK)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Patana	Proposal Date	-
Date of Commencement	12-03-2026	Date of Completion	30-03-2026
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Tank	Project Type	Upgradation or Improvement
Name of Executant	BISHWAJEETA NAIK		

Administrative Approval Details

Approval No.	OD/361/3453/119478/386600/00036066/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3453/119478/386600/00036066/TS
Fund Sanction No.	26956
Fund Sanction Amount (in Rs.)	750000

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	-	98.6055	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.	-	26.9535	Cum
i)	BRM029 : Sand for filling and road blinding	1	26.9535	1 Cum
3	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - 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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	60.93444	Cum
i)	BRM340 : Cement	2.29	139.5398676	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	29.2485312	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	58.4970624	1 Cum.

4	<p>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.</p>	-	1.4784	Cum
i)	BRM340 : Cement	3.23	4.775232	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.66528	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	1.33056	1 Cum.
5	<p>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 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.</p>	-	163.215	Sqm
i)	BRM340 : Cement	0.043	7.018245	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.93787	1 Cum

6	<p>Special items for irrigation works(AR0216) .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 within an initial lead of 1km from the place of excavation. - 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>	-		4693.5	Cum
i)	BRMMR0065 : Add for trimming of slope and bed manually.	1		4693.5	L.S.
ii)	BRMMR0102 : Cost of mechanical excavation per cum without supervision charge for item AR0216	1		4693.5	Cum
iii)	BRMMR0104 : ost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges - AR0216	1		4693.5	Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	26.9535	1 Cum	591.41	15940.569435
2	BRM340	151.3333446	1 Qntl.	602.727	91212.692790724
3	BRM028	32.8516812	1 Cum	601.41	19757.329590492
4	BRM045	58.4970624	1 Cum.	1286.41	75251.206041984
5	BRM056	1.33056	1 Cum.	2101.71	2796.4512576
6	BRMMR0065	4693.5	L.S.	1	4693.5

7	BRMMR0102	4693.5	Cum	25.01	117384.435
8	BRMMR0104	4693.5	Cum	40.49	190039.815
					Total: 517075.9991158