

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Telkoi	Gram Panchayat	Sirigida

Work Code	OD/361/3455/119532/386413/00049700 (Improvement of Kundheihota Nua Pokhari)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Telkoi	Proposal Date	-
Date of Commencement	25-11-2025	Date of Completion	06-01-2026
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Tank	Project Type	New Work
Name of Executant	Madhusmita Majhi		

Administrative Approval Details

Approval No.	OD/361/3455/119532/386413/00049700/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/361/3455/119532/386413/00049700/TS
Fund Sanction No.	26956
Fund Sanction Amount (in Rs.)	500000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p>miscellaneous (ARM306) : Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, -</p> <p>Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1 Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved specified dump yard within 1 Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories,</p>	Cum	1228.94912	308.4	35514.699582717
---	---	-----	------------	-------	-----------------

2	<p>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</p>	Cum	5.00706718976	240.77592	35514.699582717
3	<p>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.</p>	Cum	4.06694942976	1327.203832	35514.699582717

4	<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>	Cum	8.108798848	6380.54306774	35514.699582717
5	<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>	Sqm	86.6970796	216.39264180804	35514.699582717

6	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 specificaion and direction of Engineer-in charge.	Cum	4.530688	7838.69901938	35514.699582717
Total Amount (in Rs.): 491625.01063655					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
--------	---------------	---	--------------------------	------

1	<p>miscellaneous (ARM306) : Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, - Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1 Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved specified dump yard within 1 Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc. complete as specification and direction of the Engineer-in-charge. (Special Items for Irrigation works).</p>	-	1228.94912	Cum
---	--	---	------------	-----

2	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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</p>	-	5.00706718976	Cum
i	Un-Skilled	0.516	2.5836466699162	-
3	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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.</p>	-	4.06694942976	Cum
i	Un-Skilled	0.1236	0.50267494951834	-

4	<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>	-	8.108798848	Cum
	i Skilled	0.18	1.45958379264	-
	ii Un-Skilled	3.9	31.6243155072	-
5	<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>	-	86.6970796	Sqm
	i Semi-Skilled	0.05	4.33485398	-
	ii Skilled	0.05	4.33485398	-

6	<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>	-	4.530688	Cum
i	Un-Skilled	4.6	20.8411648	-
ii	Skilled	0.68	3.08086784	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	55.551801926634	462	25664.932490105
1	Skilled	8.87530561264	562	4987.9217543037
2	Semi-Skilled	4.33485398	512	2219.44523776
Total:				32872.299482169

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	<p>miscellaneous(ARM306) :.Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, - Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1 Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved specified dump yard within 1 Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc. complete as specification and direction of the Engineer-in-charge. (Special Items for Irrigation works).</p>	-	1228.94912	Cum
---	---	---	------------	-----

i)	<p>BRMM306 : Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1 Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved specified dump yard within 1 Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc. complete as specification and direction of the Engineer-in-charge. (Special Items for Irrigation works)</p>	1	1228.94912	1 Cum
----	---	---	------------	-------

2	<p>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</p>	-	5.00706718976	Cum
3	<p>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.</p>	-	4.06694942976	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.06694942976	1 Cum
4	<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>	-	8.108798848	Cum
i)	BRM340 : Cement	2.29	18.56914936192	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.89222344704	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.78444689408	1 Cum.
5	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	-	86.6970796	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.231481202532	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.9238320296	1Mtr.
6	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 specificaion and direction of Engineer-in charge.	-	4.530688	Cum
i)	BRM340 : Cement	3.23	14.63412224	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.0388096	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	4.0776192	1 Cum.
------	--	-----	-----------	--------

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMM306	1228.94912	1 Cum	308.4	379007.908608
2	BRM029	4.06694942976	1 Cum	786.71	3199.5097858865
3	BRM340	33.20327160192	1 Qntl.	616.087	20456.103991412
4	BRM028	5.93103304704	1 Cum	796.71	4725.3133389072
5	BRM044	7.78444689408	1 Cum.	1792.06	13950.195901005
6	BRM104	0.231481202532	1Cum.	58620.646	13569.577629283
7	BRM092	10.9238320296	1Mtr.	276.666	3022.2529123013
8	BRM056	4.0776192	1 Cum.	2166.81	8835.426058752
Total: 446766.28822555					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	<p>miscellaneous(ARM306) :.Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, - Excavation, loading & carriage by mechanical means in medium hard rock (can not be scapped or peeled with knife hanheld specimen can be broken with single moderate blow with pick, crushing strength between 100 to 250 kg/sqcm) requiring blasting in canal, foundation of structures and other deep cutting sections in dry, wet or submerged conditions by mechanical drilling and appropriate blasting & disposal of excavated materials with 1 Km lead, loading into and transportation by transport vehicle and depositing the excavated materials neatly in approved specified dump yard within 1 Km lead & dressing to pro section as direction by the Engineer-in-charge and trimming of bed and slope to the design finished section manually, if necessary including all cost of drilling conveyance and storage of explosive, fuse coil, detonators, all accessories, machine charges etc. complete as specification and direction of the Engineer-in-charge. (Special Items for Irrigation works).</p>	-	1228.94912	Cum
---	---	---	------------	-----

2	<p>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</p>	-	5.00706718976	Cum
3	<p>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.</p>	-	4.06694942976	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.06694942976	1 Cum
4	<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>	-	8.108798848	Cum
i)	BRM340 : Cement	2.29	18.56914936192	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.89222344704	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.78444689408	1 Cum.
5	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	-	86.6970796	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.231481202532	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.0532320068744	1Mtr.
6	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 specificaion and direction of Engineer-in charge.	-	4.530688	Cum
i)	BRM340 : Cement	3.23	14.63412224	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.0388096	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	4.0776192	1 Cum.
------	--	-----	-----------	--------

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	4.06694942976	1 Cum	470.25	1912.4829693446
2	BRM028	5.93103304704	1 Cum	470.25	2789.0682903706
3	BRM044	7.78444689408	1 Cum.	459.5	3576.9533478298
4	BRM056	4.0776192	1 Cum.	459.5	1873.6660224
Total: 10152.170629945					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 3458	Rs. 3458
2	Provision for Contingency @ 1%	Rs. 4916.2501063655
Total Addition Component Amount (in Rs.): 8374.2501063655		

Total Net Amount (in Rs.): 499999.26074292