

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Dharamagarh	Gram Panchayat	Kankeri

Work Code	OD/358/3410/118638/423951/00018155 (Renovation Of Chingersar Tank At Kankeri)						
Project Category	Water Body						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Dharamagarh	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Tank	Project Type	Renovation or Rejuvenation
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	32
Fund Sanction Amount (in Rs.)	1000000

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;">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	79.7825	240.77592	19209.7048374
2	<p style="text-align: center;">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	19.1121	636.808232	12170.742610807

3	<p style="text-align: center;">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	124.1615	5485.77142456	681121.60873051
4	<p style="text-align: center;">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 specifcaion and direction of Engineer-in charge.</p>	Cum	5.9568	7076.36751672	42152.506023598

5	<p style="text-align: center;">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	298.16	216.39264180804	64519.630081485
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6	<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</p>	Cum	542.6	308.4	167337.84
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LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	79.7825	Cum
i	Un-Skilled	0.516	41.16777	-
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.	-	19.1121	Cum
i	Un-Skilled	0.1236	2.36225556	-

3	<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>	-	124.1615	Cum
i	Skilled	0.18	22.34907	-
ii	Un-Skilled	3.9	484.22985	-
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 specificaion and direction of Engineer-in charge.</p>	-	5.9568	Cum
i	Un-Skilled	4.6	27.40128	-

	ii	Skilled	0.68	4.050624	-
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	-	298.16	Sqm
	i	Semi-Skilled	0.05	14.908	-
	ii	Skilled	0.05	14.908	-

6	<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>	-	542.6	Cum
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SI.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	555.16115556	462	256484.45386872
2	Skilled	41.307694	562	23214.924028
3	Semi-Skilled	14.908	512	7632.896
				Total: 287332.27389672

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	-	79.7825	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.	-	19.1121	Cum
i)	BRM029 : Sand for filling and road blinding	1	19.1121	1 Cum

3	<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>	-	124.1615	Cum
i)	BRM340 : Cement	2.29	284.329835	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	59.59752	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	119.19504	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>	-	5.9568	Cum
i)	BRM340 : Cement	3.23	19.240464	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.68056	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	5.36112	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	-	298.16	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.7960872	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	37.56816	1Mtr.

6	<p>miscellaneous(ARM30 6) :.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>	-	542.6	Cum
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i)	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 driling 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)	1	542.6	1 Cum
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	19.1121	1 Cum	478.15	9138.450615
2	BRM340	303.570299	1 Qntl.	605.212	183724.38779839
3	BRM028	62.27808	1 Cum	483.09	30085.9176672
4	BRM044	119.19504	1 Cum.	1401.46	167047.0807584
5	BRM056	5.36112	1 Cum.	1802.83	9665.1879696
6	BRM104	0.7960872	1Cum.	58620.646	46667.145936331
7	BRM092	37.56816	1Mtr.	276.666	10393.83255456
8	BRMM306	542.6	1 Cum	308.4	167337.84

Total: 624059.84329948

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	19.1121	1 Cum	95.25	1820.427525
2	BRM028	62.27808	1 Cum	95.25	5931.98712
3	BRM044	119.19504	1 Cum.	157.5	18773.2188
4	BRM056	5.36112	1 Cum.	157.5	844.3764
					Total: 27370.009845

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 3487.5	Rs. 3487.5
2	Provision for Contingency @ Rs. 10000	Rs. 10000
		Total Addition Component Amount (in Rs.): 13487.5

Total Net Amount (in Rs.): 999999.5322838