

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Rayagada	Gram Panchayat	Karubai

Work Code	OD/370/3557/121264/426561/00071322 (Construction of canal at Karubai)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Rayagada	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Canal	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	28365
Fund Sanction Amount (in Rs.)	202038

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	16.95	240.77592	4081.151844
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	7.6275	795.852932	6070.36823883

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	7.6275	5463.16745892	41670.309792912
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4	<p style="text-align: center;">R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (excluding centring and shuttering)</p>	Cum	12.7125	5768.2212341684	73328.512439366
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5	<p style="text-align: center;">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.</p>	Qntl	5.842	8659.2281118	50587.210629136
6	<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	101.7	216.23489289764	21991.08860769
Total Amount (in Rs.): 197728.64155193					

LABOUR STATEMENT

Sl.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	-	16.95	Cum
i	Un-Skilled	0.516	8.7462	-
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.	-	7.6275	Cum
i	Un-Skilled	0.1236	0.942759	-

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>	-	7.6275	Cum
i	Skilled	0.18	1.37295	-
ii	Un-Skilled	3.9	29.74725	-
4	<p>R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (excluding centring and shuttering)</p>	-	12.7125	Cum

	i	Un-Skilled	1.3333	16.94957625	-
	ii	Skilled	0.1	1.27125	-
	iii	Semi-Skilled	0.0573	0.72842625	-
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.	-	5.842	Qntl
	i	Un-Skilled	0.8	4.6736	-
	ii	Highly-Skilled	0.3	1.7526	-
	iii	Semi-Skilled	0.044	0.257048	-

6	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	-	101.7	Sqm
i	Semi-Skilled	0.05	5.085	-
ii	Skilled	0.05	5.085	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	61.05938525	462	28209.4359855
2	Skilled	7.7292	562	4343.8104
3	Semi-Skilled	6.07047425	512	3108.082816
4	Highly-Skilled	1.7526	612	1072.5912
Total: 36733.9204015				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<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>	-	16.95	Cum
2	<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>	-	7.6275	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	7.6275	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>	-	7.6275	Cum
i)	<p>BRM340 : Cement</p>	2.29	17.466975	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.48	3.6612	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.3224	1 Cum.
4	R.C.C. Work (AR0404A) :.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (excluding centring and shuttering)	-	12.7125	Cum
i)	BRM340 : Cement	3.4733	44.15432625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.720625	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	4.5765	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	6.86475	1 Cum.

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.	-	5.842	Qntl
i)	BRM162 : Binding Wire.	0.8	4.6736	1 Kg.
ii)	BRM341 : Steel	1.05	6.1341	1 Qntl.
6	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	-	101.7	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.271539	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	12.8142	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.6275	1 Cum	543.25	4143.639375
2	BRM340	61.62130125	1 Qntl.	612.582	37748.099962327
3	BRM028	9.381825	1 Cum	548.19	5143.02264675

4	BRM044	7.3224	1 Cum.	1421.31	10407.400344
5	BRM060	4.5765	1 Cum.	1889.98	8649.49347
6	BRM052	6.86475	1 Cum.	1853.6	12724.5006
7	BRM162	4.6736	1 Kg.	90.1	421.09136
8	BRM341	6.1341	1 Qntl.	6403.342	39278.7401622
9	BRM104	0.271539	1Cum.	58573.086	15904.877199354
10	BRM092	12.8142	1Mtr.	229.106	2935.8101052
Total: 137356.67522483					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.6275	1 Cum	187.62	1431.07155
2	BRM028	9.381825	1 Cum	187.62	1760.2180065
3	BRM044	7.3224	1 Cum.	157	1149.6168
4	BRM060	4.5765	1 Cum.	157	718.5105
5	BRM052	6.86475	1 Cum.	157	1077.76575
Total: 6137.1826065					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 2331.9	Rs. 2331.9
2	Provision for Contingency @ 1%	Rs. 1977.2864155193
Total Addition Component Amount (in Rs.): 4309.1864155193		

Total Net Amount (in Rs.): 202037.82796745