

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Banapur	Gram Panchayat	Gambharimunda

Work Code	OD/362/3458/119569/408334/00070328 (PRESERVATION AND DEVELOPMENT OF TANK AT KHAJURIA OF GAMBHARIMUNDA)						
Project Category	Water Body						

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Banapur	Proposal Date	-
Date of Commencement	-	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			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	22569
Fund Sanction Amount (in Rs.)	663375

ACTIVITY STATEMENT

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

1	<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	57.2565696	6012.8220415	344273.56371156
2	<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	42.9424272	240.77592	10339.502416113

3	<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	7.1570712	565.350732	4046.2554418961
4	<p style="text-align: center;">Masonry Stone Work (AR0717i) : Laterite stone masonry in cement mortar (1:6) in superstructure - Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	Cum	39.101491027853	5707.7412698	223181.19405039

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	189.800829	216.23489289764	41041.561930698
6	<p>Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for stone 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>	Sqm	116.5608790142	265.59585695	30958.086548622
Total Amount (in Rs.): 653840.16409928					

LABOUR STATEMENT

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

1	<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>	-	57.2565696	Cum
i	Skilled	0.18	10.306182528	-
ii	Un-Skilled	3.9	223.30062144	-
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>	-	42.9424272	Cum
i	Un-Skilled	0.516	22.1582924352	-

3	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.	-	7.1570712	Cum
	i Un-Skilled	0.1236	0.88461400032	-
4	Masonry Stone Work (AR0717i) : Laterite stone masonry in cement mortar (1:6) in superstructure - Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	39.101491027853	Cum
	i Un-Skilled	1.21	47.312804143702	-
	ii Skilled	1.05	41.056565579246	-
	iii Highly-Skilled	2.295	89.737921908923	-
	iv Semi-Skilled	1.41	55.133102349273	-

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>	-	189.800829	Sqm
i	Semi-Skilled	0.05	9.49004145	-
ii	Skilled	0.05	9.49004145	-
6	<p>Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for stone 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>	-	116.5608790142	Sqm
i	Un-Skilled	0.24	27.974610963408	-
ii	Skilled	0.16	18.649740642272	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
--------	-------------	----------	------	--------

1	Skilled	79.502530199518	562	44680.421972129
2	Un-Skilled	321.63094298263	462	148593.49565798
3	Highly-Skilled	89.737921908923	612	54919.608208261
4	Semi-Skilled	64.623143799273	512	33087.049625228
				Total: 281280.57546359

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	57.2565696	Cum
i)	BRM340 : Cement	2.29	131.117544384	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	27.483153408	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	54.966306816	1 Cum.

2	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	-	42.9424272	Cum
3	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.	-	7.1570712	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.1570712	1 Cum
4	Masonry Stone Work (AR0717i) :.Laterite stone masonry in cement mortar (1:6) in superstructure - Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	39.101491027853	Cum
i)	BRMMR0026 : SCAFFOLDING CHARGES FOR LATERITE STONE MASONRY WORK	1	39.101491027853	1 Cum
ii)	BRM340 : Cement	0.572	22.366052867932	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.24	9.3843578466847	1 Cum

iv)	BRM079 : Laterite Stone rough dressed	1	39.101491027853	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	-	189.800829	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.50676821343	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	23.914904454	1Mtr.
6	Plastering (AR1008) :.20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for stone 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.	-	116.5608790142	Sqm
i)	BRM340 : Cement	0.057	6.6439701038094	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	2.4477784592982	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	160.12756735574	1 Qntl.	569.387	91174.555193984
2	BRM028	39.315289713983	1 Cum	1108.49	43580.605495053
3	BRM044	54.966306816	1 Cum.	1903.16	104609.67647994

4	BRM029	7.1570712	1 Cum	462.4	3309.42972288
5	BRMMR0026	39.101491027853	1 Cum	41.9	1638.352474067
6	BRM079	39.101491027853	1 Cum.	1526.79	59699.765486416
7	BRM104	0.50676821343	1Cum.	58573.086	29682.978147302
8	BRM092	23.914904454	1Mtr.	229.106	5479.0480998381
Total: 339174.41109948					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	39.315289713983	1 Cum	40.25	1582.4404109878
2	BRM044	54.966306816	1 Cum.	149.5	8217.462868992
3	BRM029	7.1570712	1 Cum	40.25	288.0721158
4	BRM079	39.101491027853	1 Cum.	149.5	5845.672908664
Total: 15933.648304444					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 2900	Rs. 2900
2	Provision for Contingency @ Rs. 6634	Rs. 6634
Total Addition Component Amount (in Rs.): 9534		

Total Net Amount (in Rs.): 663374.16409928