

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Bhubaneswar	Gram Panchayat	Daruthenga

Work Code	OD/362/3460/119603/407462/00013189 (Preservation & Development of Siva Mandir Pokhari, Daruthenga)						
Project Category	Water Body						

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Bhubaneswar	Proposal Date	-
Date of Commencement	20-05-2025	Date of Completion	23-05-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Preservation and Development of Water Bodies
Project Sub-Category	Embankment	Project Type	Renovation or Rejuvenation
Name of Executant	Suchismita Mohanty		

Administrative Approval Details

Approval No.	OD/362/3460/119603/407462/00013189/AS
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Technical Sanction Details

Technical Sanction No.	OD/362/3460/119603/407462/00013189/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	663375

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	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.	Cum	26.319	501.381372	147258.22666097

2	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	Sqm	115.19972	215.22489289764	147258.22666097
3	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.	Cum	17.37054	5894.7549403	147258.22666097

4	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	Cum	157.914	235.56432	147258.22666097
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5	R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	Cum	49.65518	6531.5876013175	147258.22666097
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6	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.	Qntl	16.92	8703.2048854	147258.22666097
Total Amount (in Rs.): 649169.06892782					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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.	-	26.319	Cum
i	Un-Skilled	0.1236	3.2530284	-

2	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	-	115.19972	Sqm
i	Semi-Skilled	0.05	5.759986	-
ii	Skilled	0.05	5.759986	-
3	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.	-	17.37054	Cum
i	Skilled	0.18	3.1266972	-
ii	Un-Skilled	3.9	67.745106	-

4	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	-	157.914	Cum
i	Un-Skilled	0.516	81.483624	-
5	R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	49.65518	Cum

i	Un-Skilled	1.3333	66.205251494	-
ii	Skilled	0.175	8.6896565	-
iii	Semi-Skilled	0.1323	6.569380314	-
6	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.	-	16.92	Qntl
i	Un-Skilled	0.8	13.536	-
ii	Highly-Skilled	0.3	5.076	-
iii	Semi-Skilled	0.044	0.74448	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	232.223009894	452	104964.80047209
1	Semi-Skilled	13.073846314	502	6563.070849628

2	Skilled	17.5763397	552	9702.1395144
3	Highly-Skilled	5.076	602	3055.752
				Total: 124285.76283612

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	26.319	Cum
i)	BRM029 : Sand for filling and road blinding	1	26.319	1 Cum
2	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	-	115.19972	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.3075832524	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	14.51516472	1Mtr.

3	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.	-	17.37054	Cum
i)	BRM340 : Cement	2.29	39.7785366	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.3378592	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	16.6757184	1 Cum.
4	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	-	157.914	Cum

5	R.C.C. Work (AR0404Aa) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	49.65518	Cum
i)	BRM340 : Cement	3.4733	172.467336694	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	22.344831	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	17.8758648	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	26.8137972	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.1988689959	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	9.38482902	1Mtr.

6	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.	-	16.92	Qntl
i)	BRM162 : Binding Wire.	0.8	13.536	1 Kg.
ii)	BRM341 : Steel	1.05	17.766	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	26.319	1 Cum	397.3	10456.5387
2	BRM104	0.5064522483	1Cum.	58573.086	29664.471094569
3	BRM092	23.89999374	1Mtr.	229.106	5475.6319657964
4	BRM340	212.245873294	1 Qntl.	599.787	127302.31560539
5	BRM028	30.6826902	1 Cum	403.69	12386.295206838
6	BRM044	16.6757184	1 Cum.	1792.06	29883.887915904
7	BRM060	17.8758648	1 Cum.	2194.48	39228.227786304
8	BRM052	26.8137972	1 Cum.	2179.1	58429.94547852
9	BRM162	13.536	1 Kg.	90.1	1219.5936
10	BRM341	17.766	1 Qntl.	6444.997	114501.816702
Total: 428548.72405532					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	26.319	Cum
i)	BRM029 : Sand for filling and road blinding	1	26.319	1 Cum
2	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	-	115.19972	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.3075832524	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.07073262808	1Mtr.

3	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.	-	17.37054	Cum
i)	BRM340 : Cement	2.29	39.7785366	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.3378592	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	16.6757184	1 Cum.
4	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	-	157.914	Cum

5	R.C.C. Work (AR0404Aa) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	49.65518	Cum
i)	BRM340 : Cement	3.4733	172.467336694	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	22.344831	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	17.8758648	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	26.8137972	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.1988689959	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.04573242078	1Mtr.

6	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.	-	16.92	Qntl
i)	BRM341 : Steel	1.05	17.766	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	26.319	1 Cum	43.25	1138.29675
2	BRM028	30.6826902	1 Cum	43.25	1327.02635115
3	BRM044	16.6757184	1 Cum.	309.5	5161.1348448
4	BRM060	17.8758648	1 Cum.	309.5	5532.5801556
5	BRM052	26.8137972	1 Cum.	309.5	8298.8702334
Total: 21457.90833495					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 500	Rs. 500
2	Any Other Lumpsum @ Rs. 13705.8	Rs. 13705.8
Total Addition Component Amount (in Rs.): 14205.8		

Total Net Amount (in Rs.): 663374.86892782