

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Jayapatna	Gram Panchayat	Bandigaon

Work Code	OD/358/3412/118674/424120/00022568 (Imp. Of Adkata Tank At Amjore)						
Project Category	Water Body						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Jayapatna	Proposal Date	-
Date of Commencement	04-12-2025	Date of Completion	20-12-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Tank	Project Type	New Work
Name of Executant	SUSHANTA KUMAR DAS		

Administrative Approval Details

Approval No.	OD/358/3412/118674/424120/00022568/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3412/118674/424120/00022568/TS
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>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	83.943	240.77592	132308.245125
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>	Cum	21.01275	607.558632	132308.245125

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>	Cum	117.709875	5406.3425844	132308.245125
4	<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	283.47	216.58194050052	132308.245125

5	<p>Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	Cum	259.2	361.33930892	132308.245125
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 specificaion and direction of Engineer-in charge.</p>	Cum	4.8465	6950.7600868	132308.245125

7	Masonry Stone Work (AR0713) : Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones - Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in-charge. (15cm-30cm)	Cum	78.75	1680.1047	132308.245125
Total Amount (in Rs.): 990406.57594544					

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	-	83.943	Cum

	i	Un-Skilled	0.516	43.314588	-
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.	-	21.01275	Cum
	i	Un-Skilled	0.1236	2.5971759	-
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.	-	117.709875	Cum
	i	Skilled	0.18	21.1877775	-
	ii	Un-Skilled	3.9	459.0685125	-

4	<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>	-	283.47	Sqm
i	Semi-Skilled	0.05	14.1735	-
ii	Skilled	0.05	14.1735	-
5	<p>Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	-	259.2	Cum
i	Un-Skilled	0.43	111.456	-

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>	-	4.8465	Cum
i	Un-Skilled	4.6	22.2939	-
ii	Skilled	0.68	3.29562	-
7	<p>Masonry Stone Work (AR0713) : Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones - Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in charge. (15cm-30cm)</p>	-	78.75	Cum
i	Un-Skilled	1.04	81.9	-

ii	Highly-Skilled	0.17	13.3875	-
iii	Semi-Skilled	0.35	27.5625	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	720.6301764	462	332931.1414968
1	Skilled	38.6568975	562	21725.176395
2	Semi-Skilled	41.736	512	21368.832
3	Highly-Skilled	13.3875	612	8193.15
Total: 384218.2998918				

MATERIAL STATEMENT

Sl.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	-	83.943	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.	-	21.01275	Cum
i)	BRM029 : Sand for filling and road blinding	1	21.01275	1 Cum
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.	-	117.709875	Cum
i)	BRM340 : Cement	2.29	269.55561375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	56.50074	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	113.00148	1 Cum.

4	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	-	283.47	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.7568649	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	35.71722	1Mtr.
5	Earth Work (AR0122Bii) :.Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	259.2	Cum
i)	BRMM402 : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading).	-0.6666	-172.78272	1 Cum
ii)	BRMM401 : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading	1	259.2	1 Cum

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>	-	4.8465	Cum
i)	BRM340 : Cement	3.23	15.654195	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.180925	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	4.36185	1 Cum.
7	<p>Masonry Stone Work (AR0713) :.Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones - Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in charge. (15cm-30cm)</p>	-	78.75	Cum
i)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	78.75	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	21.01275	1 Cum	504.19	10594.4184225
2	BRM340	285.20980875	1 Qntl.	615.366	175508.41917125
3	BRM028	58.681665	1 Cum	509.13	29876.59610145
4	BRM044	113.00148	1 Cum.	1453.54	164252.1712392
5	BRM104	0.7568649	1Cum.	58677.718	44411.105166298
6	BRM092	35.71722	1Mtr.	333.738	11920.19356836
7	BRMM402	-172.78272	1 Cum	175.38	-30302.6334336
8	BRMM401	259.2	1 Cum	276.01	71541.792
9	BRM056	4.36185	1 Cum.	1854.91	8090.8391835
10	BRM034	78.75	1 Cum.	750.25	59082.1875
Total: 544975.08891896					

ROYALTY STATEMENT

Sl.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	-	83.943	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.	-	21.01275	Cum

i)	BRM029 : Sand for filling and road blinding	1	21.01275	1 Cum
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.	-	117.709875	Cum
i)	BRM340 : Cement	2.29	269.55561375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	56.50074	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	113.00148	1 Cum.
4	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	-	283.47	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.7568649	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.17405058	1Mtr.

5	<p>Earth Work (AR0122Bii) :.Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	-	259.2	Cum
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 specificaion and direction of Engineer-in charge.</p>	-	4.8465	Cum
i)	BRM340 : Cement	3.23	15.654195	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.180925	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	4.36185	1 Cum.

7	Masonry Stone Work (AR0713) :-Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones - Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in charge. (15cm-30cm)	-	78.75	Cum
i)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	78.75	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	21.01275	1 Cum	40.25	845.7631875
2	BRM028	58.681665	1 Cum	40.25	2361.93701625
3	BRM044	113.00148	1 Cum.	149.5	16893.72126
4	BRM056	4.36185	1 Cum.	149.5	652.096575
5	BRM034	78.75	1 Cum.	149.5	11773.125
Total: 32526.64303875					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 4640.5	Rs. 4640.5
2	Provision for Contingency @ 0.5%	Rs. 4952.0328797272
Total Addition Component Amount (in Rs.): 9592.5328797272		

Total Net Amount (in Rs.): 999999.10882517