

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Kalampur	Gram Panchayat	Bijamara

Work Code	OD/358/3414/118722/424156/00065176 (RENOVATION OF JHARABANDH TANK AT BIJMARA)
Project Category	Water Body

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Kalampur	Proposal Date	28-10-2022
Date of Commencement	06-03-2026	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	SUMANTA DANDAPATH		

Administrative Approval Details

Approval No.	OD/358/3414/118722/424156/00065176/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3414/118722/424156/00065176/TS
Fund Sanction No.	20472
Fund Sanction Amount (in Rs.)	350000

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	14.0625	240.77592	14374.377497913
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	22.0875	561.462232	14374.377497913

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	24.5625	5527.6043863	14374.377497913
4	<p>Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	40.44	4321.029386877	14374.377497913

5	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.	Cum	2.035125	7063.1423121	14374.377497913
Total Amount (in Rs.): 340675.79706601					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	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	-	14.0625	Cum

	i	Un-Skilled	0.516	7.25625	-
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.	-	22.0875	Cum
	i	Un-Skilled	0.1236	2.730015	-
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.	-	24.5625	Cum
	i	Skilled	0.18	4.42125	-
	ii	Un-Skilled	3.9	95.79375	-

4	<p>Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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>	-	40.44	Cum
i	Un-Skilled	3.17	128.1948	-
ii	Skilled	1.41	57.0204	-
iii	Highly-Skilled	0.35	14.154	-
5	<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>	-	2.035125	Cum
i	Un-Skilled	4.6	9.361575	-

ii	Skilled	0.68	1.383885	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	243.33639	462	112421.41218
1	Skilled	62.825535	562	35307.95067
2	Highly-Skilled	14.154	612	8662.248
				Total: 156391.61085

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	-	14.0625	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.	-	22.0875	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.0875	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>	-	24.5625	Cum
i)	BRM340 : Cement	2.29	56.248125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	11.79	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	23.58	1 Cum.
4	<p>Masonry Stone Work (AR0703) :.Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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>	-	40.44	Cum
i)	BRM340 : Cement	0.8151	32.962644	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.34	13.7496	1 Cum
iii)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	40.44	1 Cum.

5	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.	-	2.035125	Cum
i)	BRM340 : Cement	3.23	6.57345375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.91580625	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	1.8316125	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.0875	1 Cum	413.05	9123.241875
2	BRM340	95.78422275	1 Qntl.	614.177	58828.466575927
3	BRM028	26.45540625	1 Cum	417.99	11058.095258437
4	BRM044	23.58	1 Cum.	1596.76	37651.6008
5	BRM034	40.44	1 Cum.	893.47	36131.9268
6	BRM056	1.8316125	1 Cum.	1998.13	3659.799884625
Total: 156453.13119399					

ROYALTY 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>	-	14.0625	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>	-	22.0875	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.0875	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>	-	24.5625	Cum
i)	BRM340 : Cement	2.29	56.248125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	11.79	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	23.58	1 Cum.
4	Masonry Stone Work (AR0703) :.Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	40.44	Cum
i)	BRM340 : Cement	0.8151	32.962644	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.34	13.7496	1 Cum
iii)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	40.44	1 Cum.
5	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.	-	2.035125	Cum
i)	BRM340 : Cement	3.23	6.57345375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.91580625	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	1.8316125	1 Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	22.0875	1 Cum	85.75	1894.003125
2	BRM028	26.45540625	1 Cum	85.75	2268.5510859375
3	BRM044	23.58	1 Cum.	157	3702.06
4	BRM034	40.44	1 Cum.	157	6349.08
5	BRM056	1.8316125	1 Cum.	157	287.5631625
Total: 14501.257373438					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 2000	Rs. 2000
2	Any Other Lumpsum @ Rs. 510.68	Rs. 510.68
3	Provision for Contingency @ 2%	Rs. 6813.5159413202
Total Addition Component Amount (in Rs.): 9324.1959413202		

Total Net Amount (in Rs.): 349999.99300733