

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Jhumpura	Gram Panchayat	Balibandha

Work Code	OD/361/3450/119416/385542/00043413 (RENOVATION OF HATA TOTA POKHARI BALIBANDHA)
Project Category	Water Body

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Jhumpura	Proposal Date	-
Date of Commencement	22-12-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Tank	Project Type	Renovation or Rejuvenation
Name of Executant	Mihir Kumar Tudu		

Administrative Approval Details

Approval No.	OD/361/3450/119416/385542/00043413/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3450/119416/385542/00043413/TS
Fund Sanction No.	26956
Fund Sanction Amount (in Rs.)	500000

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	65.0295312	240.77592	33347.524623083
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	21.55191648	781.500832	33347.524623083

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	23.94114648	6290.11564674	33347.524623083
4	<p>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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 specifcaion and direction of Engineer-in charge.</p>	Cum	13.21261888	7482.02388238	33347.524623083

5	<p>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	Sqm	78.03852	521.113	33347.524623083
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6	<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>	Cum	59.46528	2277.5803	33347.524623083
7	<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	154.21898	216.23489289764	33347.524623083
Total Amount (in Rs.): 491401.45810368					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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>	-	65.0295312	Cum
i	Un-Skilled	0.516	33.5552380992	-
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>	-	21.55191648	Cum
i	Un-Skilled	0.1236	2.663816876928	-

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>	-	23.94114648	Cum
	i Skilled	0.18	4.3094063664	-
	ii Un-Skilled	3.9	93.370471272	-
4	<p>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	13.21261888	Cum
	i Un-Skilled	4.6	60.778046848	-

	ii	Skilled	0.68	8.9845808384	-
5		<p>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	78.03852	Sqm
6		<p>Masonry Stone Work (AR0713) : Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones -</p> <p>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>	-	59.46528	Cum

	i	Un-Skilled	1.04	61.8438912	-
	ii	Highly-Skilled	0.17	10.1090976	-
	iii	Semi-Skilled	0.35	20.812848	-
7		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	-	154.21898	Sqm
	i	Semi-Skilled	0.05	7.710949	-
	ii	Skilled	0.05	7.710949	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	252.21146429613	462	116521.69650481
1	Skilled	21.0049362048	562	11804.774147098
2	Highly-Skilled	10.1090976	612	6186.7677312
3	Semi-Skilled	28.523797	512	14604.184064
Total:				149117.42244711

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	-	65.0295312	Cum
2	<p>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	21.55191648	Cum
i)	BRM029 : Sand for filling and road blinding	1	21.55191648	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>	-	23.94114648	Cum
i)	BRM340 : Cement	2.29	54.8252254392	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	11.4917503104	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	22.9835006208	1 Cum.
4	<p>Concrete (AR0307a) :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	13.21261888	Cum
i)	BRM057 : 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)(Hand broken)	0.9	11.891356992	1 Cum.
ii)	BRM340 : Cement	3.23	42.6767589824	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.945678496	1 Cum
5	miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	78.03852	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	3.901926	1 Cum
ii)	BRMM286 : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	78.03852	1 Sqm

6	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)	-		59.46528	Cum
i)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1		59.46528	1 Cum.
7	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	-		154.21898	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267		0.4117646766	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126		19.43159148	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	25.45384248	1 Cum	591.41	15053.656981097
2	BRM340	97.5019844216	1 Qntl.	604.197	58910.406481577
3	BRM028	17.4374288064	1 Cum	1156.91	20173.535760412

4	BRM044	22.9835006208	1 Cum.	1792.06	41187.812122511
5	BRM057	11.891356992	1 Cum.	1882	22379.533858944
6	BRMM286	78.03852	1 Sqm	485.28	37870.5329856
7	BRM034	59.46528	1 Cum.	1066.81	63438.1553568
8	BRM104	0.4117646766	1Cum.	58573.086	24118.327814254
9	BRM092	19.43159148	1Mtr.	229.106	4451.8941976169
Total: 287583.85555881					

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	-	65.0295312	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.	-	21.55191648	Cum
i)	BRM029 : Sand for filling and road blinding	1	21.55191648	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>	-	23.94114648	Cum
i)	BRM340 : Cement	2.29	54.8252254392	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	11.4917503104	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	22.9835006208	1 Cum.
4	<p>Concrete (AR0307a) :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	13.21261888	Cum
i)	BRM057 : 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)(Hand broken)	0.9	11.891356992	1 Cum.
ii)	BRM340 : Cement	3.23	42.6767589824	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.945678496	1 Cum
5	miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	78.03852	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	3.901926	1 Cum
6	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)	-	59.46528	Cum
i)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	59.46528	1 Cum.

7	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	-	154.21898	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.4117646766	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.09469045372	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	25.45384248	1 Cum	125.25	3188.09377062
2	BRM028	17.4374288064	1 Cum	50.25	876.2307975216
3	BRM044	22.9835006208	1 Cum.	424.5	9756.4960135296
4	BRM057	11.891356992	1 Cum.	424.5	5047.881043104
5	BRM034	59.46528	1 Cum.	424.5	25243.01136
Total: 44111.712984775					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 3684.52	Rs. 3684.52
2	Provision for Contingency @ 1%	Rs. 4914.0145810368
Total Addition Component Amount (in Rs.): 8598.5345810368		

Total Net Amount (in Rs.): 499999.99268471