

ESTIMATION DPR

State	Odisha	District	Nayagarh	Block	Nayagarh	Panchayat	Natugaon
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Work Code	OD/367/3527/120677/406281/00013786 (MAINT OF NATUGAON MAHADEV POKHARI)
Project Category	Water Body

Financial Year	2022-23	Execution Level	Natugaon, G.P
Executing Agency	Panchayat Samiti, Nayagarh	Proposal Date	17-11-2023
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Embankment	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	20472
Fund Sanction Amount (in Rs.)	100000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<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	11.5	235.5643157959	2708.9896316528
2	<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	1.5	779.53540039062	1169.3031005859

3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	16.14999961853	5130.2319335938	82853.243770511
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4	<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 and as per direction of Engineer-in charge.</p>	Cum	0.25	6905.5063476562	1726.3765869141
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5	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centering 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	42	215.22489929199	9039.4457702637
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1	<p>Earth Work (AR0102 aa) : 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>	11.5	Cubic Meter	0.516	5.934	-	-	-	-
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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>	1.5	Cubic Meter	0.1236	0.1854	-	-	-	-
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3	<p>Concrete</p> <p>(AR0303 a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(H and 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>	16.14999 961853	Cubic Meter	3.9	62.98499 8512268	-	-	0.18	2.906999 9313354
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4	<p>Concrete</p> <p>(AR0307) :</p> <p>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 and as per direction of Engineer-in charge.</p>	0.25	Cubic Meter	4.6	1.15	-	-	0.68	0.17
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5	<p>R.C.C. Work (AR0410 c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centering 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>	42	Square Meter	-	-	0.05	2.1	0.05	2.1
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6	Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	11.5	Square Meter	0.17	1.955	-	-	0.14	1.61
Total Qty				72.209398512268	6.7869999313354	2.1			

Rate Per Man Day	452	552	502
Total Amount	32638.648127545	3746.4239620972	1054.2
Total Labour Amount (in Rs.): 37439.272089642			

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.	-	1.5	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.5	1 Cum
2	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	16.14999961853	Cum
i)	BRM340 : Cement	2.29	36.983499126434	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.7519998168945	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	15.503999633789	1 Cum.
3	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 and as per direction of Engineer-in charge.	-	0.25	Cum
i)	BRM340 : Cement	3.23	0.8075	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.1125	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	0.225	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 centering 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	-	42	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.11214	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.292	1Mtr.
5	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	11.5	Sqm
i)	BRM340 : Cement	0.0372	0.4278	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.08625	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.5	1 Cum	410.7	616.05
2	BRM340	36.983499126434	1 Qntl.	579.287	21424.060258455
3	BRM028	7.7519998168945	1 Cum	417.13	3233.5916836212
4	BRM045	15.503999633789	1 Cum.	1038.44	16099.973379712
5	BRM340	0.8075	1 Qntl.	579.287	467.7742525
6	BRM028	0.1125	1 Cum	417.13	46.927125
7	BRM056	0.225	1 Cum.	1672.63	376.34175
8	BRM104	0.11214	1Cum.	58573.086	6568.38586404
9	BRM092	5.292	1Mtr.	229.106	1212.428952
10	BRM340	0.4278	1 Qntl.	579.287	247.8189786
11	BRM028	0.08625	1 Cum	417.13	35.9774625
Total: 50329.329706428					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	1.5	1 Cum	305.25	457.875
2	BRM028	7.7519998168945	1 Cum	305.25	2366.2979441071
3	BRM045	15.503999633789	1 Cum.	199.5	3093.0479269409
4	BRM028	0.1125	1 Cum	305.25	34.340625
5	BRM056	0.225	1 Cum.	199.5	44.8875
6	BRM028	0.08625	1 Cum	305.25	26.3278125
Total: 6022.776808548					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 332.25	Rs. 332.25
Total Addition Component Amount (in Rs.): 332.25		

Total Net Amount (in Rs.): 100000.02258673