

ESTIMATION DPR

State	Odisha	District	Dhenkanal	Block	Dhenkanal Sadar	Panchayat	Suakhaikateni
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Work Code	OD/352/3350/275111/403256/00016521 (Maintenance of Suakhaikateni Kalyan Mandap)		
Project Category	Building		

Financial Year	2024-25	Execution Level	Suakhaikateni, G.P
Executing Agency	Panchayat Samiti, Dhenkanal Sadar	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Kalyan Mandap	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
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 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	2.16	235.56432	508.8189312
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	49.99475	887.807372	44385.707611297

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	0.36	5921.97746424	2131.9118871264
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4	<p style="text-align: center;">Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in- charge.</p>	Cum	1.2	5131.855978432	6158.2271741184
5	<p style="text-align: center;">R.C.C. Work (AR0407Ac) : Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)</p>	Cum	5.3325	15234.015753986	81235.38900813

6	R.C.C. Work (AR0407Ab) : Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	Cum	0.5	8035.8572418082	4017.9286209041
7	R.C.C. Work (AR0407Ae) : Staircase (including centring & shuttering) - Staircase (including centring & shuttering)	Cum	3.085375	15124.777560274	46665.61056503

8	<p style="text-align: center;">Masonry Brick Work (AR0603bi) :</p> <p>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	Cum	41.7725	5165.185978432	215762.73128405
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9	<p style="text-align: center;">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 -</p> <p>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.</p>	Qntl	10.482576	8693.4417103	91129.66342979
Total Amount (in Rs.): 491995.98851165					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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>	2.16	235.56432	Cum
i	Un-Skilled	0.516	1.11456	-
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>	49.99475	887.807372	Cum
i	Un-Skilled	0.1236	6.1793511	-

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.	0.36	5921.97746424	Cum
i	Skilled	0.18	0.0648	-
ii	Un-Skilled	3.9	1.404	-

4	<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	1.2	5131.855978432	Cum
i	Un-Skilled	2.96	3.552	-
ii	Skilled	1.05	1.26	-
iii	Highly-Skilled	0.35	0.42	-
5	<p>R.C.C. Work (AR0407Ac) : Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)</p>	5.3325	15234.015753986	Cum
i	Un-Skilled	1.3333	7.10982225	-

	ii	Skilled	5.33875	28.468884375	-
	iii	Semi-Skilled	5.29605	28.241186625	-
6		R.C.C. Work (AR0407Ab) : Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	0.5	8035.8572418082	Cum
	i	Un-Skilled	1.3333	0.66665	-
	ii	Skilled	0.35	0.175	-
	iii	Semi-Skilled	0.3073	0.15365	-
7		R.C.C. Work (AR0407Ae) : Staircase (including centring & shuttering) - Staircase (including centring & shuttering)	3.085375	15124.777560274	Cum
	i	Un-Skilled	1.3333	4.1137304875	-
	ii	Skilled	5.05	15.58114375	-
	iii	Semi-Skilled	5.0073	15.4493982375	-

8	Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	41.7725	5165.185978432	Cum
i	Un-Skilled	2.96	123.6466	-
ii	Skilled	1.05	43.861125	-
iii	Highly-Skilled	0.35	14.620375	-

9	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.	10.482576	8693.4417103	Qntl
i	Un-Skilled	0.8	8.3860608	-
ii	Highly-Skilled	0.3	3.1447728	-
iii	Semi-Skilled	0.044	0.461233344	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	156.1727746375	452	70590.09413615
4	Skilled	89.410953125	552	49354.846125
5	Highly-Skilled	18.1851478	602	10947.4589756

3	Semi-Skilled	44.3054682065	502	22241.345039663
				Total: 153133.74427641

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	-	2.16	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.	-	49.99475	Cum
i)	BRM029 : Sand for filling and road blinding	1	49.99475	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.	-	0.36	Cum
i)	BRM340 : Cement	2.29	0.8244	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.1728	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	0.3456	1 Cum.

4	Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	1.2	Cum
i)	BRM340 : Cement	0.672	0.8064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.336	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %	350	420	1000 Nos
5	R.C.C. Work (AR0407Ac) :.Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)	-	5.3325	Cum
i)	BRM340 : Cement	4.22	22.50315	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.399625	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	1.9197	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	2.87955	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	23.567517	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.2214533925	1Cum.
6	R.C.C. Work (AR0407Ab) :.Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	-	0.5	Cum
i)	BRM340 : Cement	4.22	2.11	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.225	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	0.18	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	0.27	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.006675	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	0.315	1Mtr.
7	R.C.C. Work (AR0407Ae) :.Staircase (including centring & shuttering) - Staircase (including centring & shuttering)	-	3.085375	Cum
i)	BRM340 : Cement	4.22	13.0202825	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.38841875	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	1.110735	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	1.6661025	1 Cum.

v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	1.17	3.60988875	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.04806	0.1482831225	1Cum.
8	Masonry Brick Work (AR0603bi) :Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	41.7725	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	41.7725	1 Cum
ii)	BRM340 : Cement	0.672	28.07112	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	11.6963	1 Cum
iv)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	14620.375	1000 Nos

9	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.	-	10.482576	Qntl
i)	BRM162 : Binding Wire.	0.8	8.3860608	1 Kg.
ii)	BRM341 : Steel	1.05	11.0067048	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	49.99475	1 Cum	478.15	23904.9897125
2	BRM340	67.3353525	1 Qntl.	657.102	44246.194798455
3	BRM028	16.21814375	1 Cum	483.09	7834.8230641875
4	BRM044	0.3456	1 Cum.	1271.26	439.347456
5	BRM005	15040.375	1000 Nos	6.13555	92280.97283125
6	BRM060	3.210435	1 Cum.	1678.01	5387.14203435
7	BRM052	4.8156525	1 Cum.	1658.3	7985.79654075
8	BRM084	23.567517	1Mtr	250.166	5895.791457822
9	BRM104	0.376411515	1Cum.	58573.086	22047.584039485
10	BRM092	0.315	1Mtr.	229.106	72.16839
11	BRM094	3.60988875	1Mtr.	240.106	866.7559482075
12	BRMMR0025	41.7725	1 Cum	33	1378.4925
13	BRM162	8.3860608	1 Kg.	90.1	755.58407808

14	BRM341	11.0067048	1 Qntl.	6438.102	70862.28818629
					Total: 283957.93103738

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	49.99475	1 Cum	345	17248.18875
2	BRM028	16.21814375	1 Cum	345	5595.25959375
3	BRM044	0.3456	1 Cum.	496.77	171.683712
4	BRM005	15040.375	1000 Nos	0.04025	605.37509375
5	BRM060	3.210435	1 Cum.	496.77	1594.84779495
6	BRM052	4.8156525	1 Cum.	496.77	2392.271692425
					Total: 27607.626636875

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 4919.9598851165
2	Display Citizen Board @ Rs. 3084	Rs. 3084
		Total Addition Component Amount (in Rs.): 8003.9598851165

Total Net Amount (in Rs.): 499999.94839676