

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Raruan	Gram Panchayat	Raruan

Work Code	OD/365/3504/120312/388677/00026423 (Completion Of Boundary Wall At Raruan Kalyan Mandap)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Raruan	Proposal Date	-
Date of Commencement	04-02-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Kalyan Mandap	Project Type	Completion
Name of Executant	SUSHANTA PATTANAIK		

### Administrative Approval Details

Approval No.	OD/365/3504/120312/388677/00026423/AS
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### Technical Sanction Details

Technical Sanction No.	OD/365/3504/120312/388677/00026423/TS
Fund Sanction No.	975
Fund Sanction Amount (in Rs.)	150000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil foundation &amp; 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>	-	9.36	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	1.56	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	1.56	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	2.34	Cum
i)	<b>BRM340</b> : Cement	2.29	5.3586	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.1232	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.2464	1 Cum.

4	<p><b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - 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<sup>2</sup> with dimensional tolerance <math>\pm 8</math> percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	6.175	Cum
i)	<b>BRM340</b> : Cement	0.672	4.1496	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1.729	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	2161.25	1000 Nos
5	<p><b>Flooring (AR0820i) :.2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(hand broken) granite Chips - 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(hand broken) granite Chips including curing for seven days with cost conveyance, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</b></p>	-	9.75	Sqm
i)	<b>BRM340</b> : Cement	0.0754	0.73515	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.012	0.117	1 Cum

iii)	<b>BRM057</b> : 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)	0.023	0.22425	1 Cum.
6	<b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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 <sup>2</sup> 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.	-	<b>11.04375</b>	Cum
i)	<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	11.04375	1 Cum
ii)	<b>BRM340</b> : Cement	0.672	7.4214	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	3.09225	1 Cum
iv)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance ± 2 %	350	3865.3125	1000 Nos

7	<b>Plastering (AR1004)</b> :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	107.2	Sqm
i)	<b>BRM340</b> : Cement	0.0358	3.83776	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.608	1 Cum
8	<b>Painting(AR0901di)</b> :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	107.2	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	9.6825806451613	1 Ltr
9	<b>Painting(AR0920)</b> :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	107.2	Sqm

i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	13.4	1 Litre
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	1.56	1 Cum	401.54	626.4024
2	<b>BRM340</b>	21.50251	1 Qntl.	632.787	13606.50879537
3	<b>BRM028</b>	7.66945	1 Cum	407.96	3128.828822
4	<b>BRM044</b>	2.2464	1 Cum.	1531.66	3440.721024
5	<b>BRM005</b>	6026.5625	1000 Nos	6.4531	38890.01046875
6	<b>BRM057</b>	0.22425	1 Cum.	1621.6	363.6438
7	<b>BRMMR0025</b>	11.04375	1 Cum	33	364.44375
8	<b>BRM253</b>	9.6825806451613	1 Ltr	159.27787	1542.2208212645
9	<b>BRM140</b>	13.4	1 Litre	249.58787	3344.477458
<b>Total: 65307.257339385</b>					