

ESTIMATION DPR							
State	Odisha	District	Kendrapara	Block	Pattamundai	Gram Panchayat	Badamulabasanta

Work Code	OD/360/3440/119178/396228/00061605 (Construction of Kalyan Mandap at Badamulabasanta)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Pattamundai	Proposal Date	12-06-2023
Date of Commencement	24-10-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Kalyan Mandap	Project Type	New Work
Name of Executant	Prasanna kumar Rout		

Administrative Approval Details

Approval No.	OD/360/3440/119178/396228/00061605/AS
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Technical Sanction Details

Technical Sanction No.	OD/360/3440/119178/396228/00061605/TS
Fund Sanction No.	12487
Fund Sanction Amount (in Rs.)	1000000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	32.46353	Cum

	i	Un-Skilled	0.516	16.75118148	-
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.	-	43.2904	Cum
	i	Un-Skilled	0.1236	5.35069344	-
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.	-	12.85421	Cum
	i	Skilled	0.18	2.3137578	-
	ii	Un-Skilled	3.9	50.131419	-

4	R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	8.07654	Cum
i	Un-Skilled	1.3333	10.768450782	-
ii	Skilled	0.175	1.4133945	-
iii	Semi-Skilled	0.1323	1.068526242	-

5	R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	2.6875	Cum
i	Un-Skilled	1.3333	3.58324375	-
ii	Skilled	0.35	0.940625	-
iii	Semi-Skilled	0.3073	0.82586875	-

6	R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	5.732	Cum
i	Un-Skilled	1.3333	7.6424756	-
ii	Skilled	5.33875	30.601715	-
iii	Semi-Skilled	5.29605	30.3569586	-

7	R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	1.4625	Cum
i	Un-Skilled	1.3333	1.94995125	-
ii	Skilled	2.34375	3.427734375	-
iii	Semi-Skilled	2.30105	3.365285625	-

8	R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	10.2776	Cum
i	Un-Skilled	1.3333	13.70312408	-
ii	Skilled	3.15525	32.4283974	-
iii	Semi-Skilled	3.11255	31.98954388	-

9	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.	-	8.664	Cum
i	Un-Skilled	2.96	25.64544	-
ii	Skilled	1.05	9.0972	-
iii	Highly-Skilled	0.35	3.0324	-

10	<p>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/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>	-	25.12125	Cum
i	Un-Skilled	2.96	74.3589	-
ii	Skilled	1.05	26.3773125	-
iii	Highly-Skilled	0.35	8.7924375	-
11	<p>Plastering (AR1004) : 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.</p>	-	185.36	Sqm
i	Un-Skilled	0.12	22.2432	-

	ii	Skilled	0.14	25.9504	-
12		Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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.	-	130.72	Sqm
	i	Un-Skilled	0.24	31.3728	-
	ii	Skilled	0.16	20.9152	-
13		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.	-	18	Qntl
	i	Un-Skilled	0.8	14.4	-

	ii	Highly-Skilled	0.3	5.4	-
	iii	Semi-Skilled	0.044	0.792	-
14		Painting (AR0918Ai) : Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	387	Sqm
	i	Un-Skilled	0.043	16.641	-
	ii	Highly-Skilled	0.036	13.932	-
15		Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	6.45	Sqm

	i	Highly-Skilled	0.325	2.09625	-
	ii	Un-Skilled	0.325	2.09625	-
	iii	Semi-Skilled	0.76	4.902	-
16		Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)	-	18	Sqm
	i	Un-Skilled	0.216	3.888	-
	ii	Highly-Skilled	0.216	3.888	-

17	<p>Other Building Items. (AR1907) : aluminum sliding window (sliding type)</p> <p>- Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.</p>	-	2.9282	Sqm
i	Un-Skilled	1.006711409396	2.9478523489933	-
ii	Semi-Skilled	1.006711409396	2.9478523489933	-
iii	Skilled	0.33557046979866	0.98261744966443	-
iv	Highly-Skilled	0.33557046979866	0.98261744966443	-

18	<p>Other Building Items. (AR1909) : Al. door with OEL anodized Al. door section of 9202 as vertical member - Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge</p>	-	3.64	Sqm
	i Un-Skilled	1.38888888888889	5.05555555555556	-
	ii Semi-Skilled	1.0648148148148	3.8759259259259	-
	iii Skilled	0.77777777777778	2.83111111111111	-
	iv Highly-Skilled	0.194444444444444	0.707777777777778	-
	v	0.46296296296296	1.6851851851852	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	308.52953728655	462	142540.64622639
1	Skilled	157.27946513578	562	88391.059406306
2	Semi-Skilled	80.123961371919	512	41023.468222423

3	Highly-Skilled	38.831482727442	612	23764.867429195
4		1.6851851851852	50	84.259259259259
				Total: 295804.30054357