

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

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	-	32.46353	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.	-	43.2904	Cum
i)	BRM029 : Sand for filling and road blinding	1	43.2904	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.	-	12.85421	Cum
i)	BRM340 : Cement	2.29	29.4361409	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.1700208	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	12.3400416	1 Cum.

4	<p>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.)</p>	-	8.07654	Cum
i)	BRM340 : Cement	3.4733	28.052246382	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.634443	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	2.9075544	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	4.3613316	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.0323465427	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.52646606	1Mtr.

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)	BRM340 : Cement	3.4733	9.33449375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.209375	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	0.9675	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	1.45125	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.035878125	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.693125	1Mtr.

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)	BRM340 : Cement	3.4733	19.9089556	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.5794	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	2.06352	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	3.09528	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	25.3331472	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.238044228	1Cum.

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)	BRM340 : Cement	3.4733	5.07970125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.658125	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	0.5265	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	0.78975	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	5.51289375	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.10842024375	1Cum.

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)	BRM340 : Cement	3.4733	35.69718808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.62492	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	3.699936	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	5.549904	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	63.94311616	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.51611229472	1Cum.

9	<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>	-	8.664	Cum
i)	BRM340 : Cement	0.672	5.822208	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.42592	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./Cm ² with dimensional tolerance ± 2 %	350	3032.4	1000 Nos
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)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	25.12125	1 Cum
ii)	BRM340 : Cement	0.672	16.88148	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	7.03395	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./Cm2 with dimensional tolerance \pm 2 %	350	8792.4375	1000 Nos
11	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.	-	185.36	Sqm
i)	BRM340 : Cement	0.0358	6.635888	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.7804	1 Cum
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)	BRM340 : Cement	0.043	5.62096	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.35296	1 Cum
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)	BRM162 : Binding Wire.	0.8	14.4	1 Kg.
ii)	BRM341 : Steel	1.05	18.9	1 Qntl.
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)	BRM255 : Weather Coat (I.S.I.)	0.075	29.025	1 Ltr

15	<p>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.</p>	-	6.45	Sqm
i)	<p>BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	6.45	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	6.45	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	0.886875	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.09675	1 Cum

16	<p>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)</p>	-	18	Sqm
i)	BRM174 : White Cement.	0.0076	0.1368	1Qntl
ii)	BRM340 : Cement	0.1074	1.9332	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.378	1 Cum
iv)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	18	1 Sqm.
17	<p>Other Building Items. (AR1907) :.aluminum sliding window (sliding type) - 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)	BRMMR0005 : Handel with lock	1.3422818791946	3.9304697986577	Each

ii)	BRM271 : Black glass (I.S.I.) 5mm	1.1006711409396	3.2229852348993	Sqm
iii)	BRMMR0008 : Hire charges of drills machine	0.67114093959732	1.9652348993289	Day
iv)	BRMMR0013 : Al. wheel runner	5.3691275167785	15.721879194631	Each
v)	BRMMR0012 : Window pile	5.0335570469799	14.739261744966	Mtr
vi)	BRMMR0011 : U rubber beading	6.5436241610738	19.161040268456	Mtr
vii)	BRMMR0010 : Al. Screws of different sizes	0.67114093959732	1.9652348993289	L.S.
viii)	BRMMR0009 : PVC Plug	5.3691275167785	15.721879194631	Each
ix)	BRM304 : Aluminium extruded section	5.1330201342282	15.030509557047	kg
18	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	-	3.64	Sqm
i)	BRM281 : Prelaminated particle board (standard type) (I.S.I.) 12mm	1.1018518518519	4.0107407407407	Sqm
ii)	BRMMR0008 : Hire charges of drills machine	0.6944444444444444	2.52777777777778	Day
iii)	BRMMR0018 : 6-Level mortice lock	0.46296296296296	1.6851851851852	Each
iv)	BRMMR0017 : Handle	0.92592592592593	3.3703703703704	Each

v)	BRMMR0016 : Door Stopper	0.46296296296296	1.6851851851852	Each
vi)	BRMMR0011 : U rubber beading	8.4675925925926	30.822037037037	Mtr
vii)	BRMMR0015 : 4 Anodised Al. Hinges	1.8518518518519	6.7407407407407	Each
viii)	BRM304 : Aluminium extruded section	11.821805555556	43.031372222222	kg

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	43.2904	1 Cum	600.59	25999.781336
2	BRM340	165.289336962	1 Qntl.	605.327	100054.0984752
3	BRM028	33.9442638	1 Cum	608.22	20645.580128436
4	BRM044	12.3400416	1 Cum.	2164.75	26713.1050536
5	BRM060	10.1650104	1 Cum.	2638.02	26815.500735408
6	BRM052	15.2475156	1 Cum.	2612.2	39829.56025032
7	BRM104	0.93080143417	1Cum.	58573.086	54519.912452563
8	BRM092	3.21959106	1Mtr.	229.106	737.62762939236
9	BRM084	89.27626336	1Mtr	250.166	22333.885699718
10	BRM094	5.51289375	1Mtr.	240.106	1323.6788667375
11	BRM005	11824.8375	1000 Nos	6.4706	76513.7935275
12	BRMMR0025	25.12125	1 Cum	33	829.00125
13	BRM162	14.4	1 Kg.	90.1	1297.44
14	BRM341	18.9	1 Qntl.	6736.787	127325.2743
15	BRM255	29.025	1 Ltr	191.59787	5561.12817675
16	BRM131	24.45	1 Sqm.	660.6811111	16153.653166395
17	BRMMR0027	6.45	1 Sqm	8.5	54.825
18	BRM174	0.1368	1Qntl	2028.787	277.5380616
19	BRMMR0005	3.9304697986577	Each	40	157.21879194631
20	BRM271	3.2229852348993	Sqm	705.01	2272.2368204564
21	BRMMR0008	4.4930126771066	Day	100	449.30126771066
22	BRMMR0013	15.721879194631	Each	25	393.04697986577
23	BRMMR0012	14.739261744966	Mtr	10	147.39261744966
24	BRMMR0011	49.983077305493	Mtr	15	749.7461595824
25	BRMMR0010	1.9652348993289	L.S.	30	58.957046979866
26	BRMMR0009	15.721879194631	Each	1.5	23.582818791946
27	BRM304	58.061881779269	kg	297.27	17260.055596523
28	BRM281	4.0107407407407	Sqm	707.41	2837.2381074074
29	BRMMR0018	1.6851851851852	Each	600	1011.1111111111

30	BRMMR0017	3.3703703703704	Each	62.5	210.64814814815
31	BRMMR0016	1.6851851851852	Each	25	42.12962962963
32	BRMMR0015	6.7407407407407	Each	39	262.88888888889
					Total: 572860.93809411