

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Chikiti	Gram Panchayat	Kotilingi

Work Code	OD/354/3370/117698/413098/00018132 (Construction Of Radha Krushna Kalyan Mandap At Kotilingi)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Chikiti	Proposal Date	18-07-2024
Date of Commencement	21-09-2025	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	RASMITA KUMARI DAS		

Administrative Approval Details

Approval No.	OD/354/3370/117698/413098/00018132/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3370/117698/413098/00018132/TS
Fund Sanction No.	32
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 (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.	-	30.230775	Cum
i)	BRM029 : Sand for filling and road blinding	1	30.230775	1 Cum

2	<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>	-	9.932825	Cum
i)	BRM340 : Cement	2.29	22.74616925	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.767756	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.535512	1 Cum.
3	<p>R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	19.894915	Cum
i)	BRM340 : Cement	3.4733	69.1010082695	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.95271175	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	7.1621694	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	10.7432541	1 Cum.
4	Earth Work (AR0122Aia) :.Earthwork in all kinds of soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in all kinds of soil in foundation and 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 direction of the Engineer-in-charge	-	33.0075	Cum
5	Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm 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.	-	2.885925	Cum

i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 2 %	400	1154.37	1000 Nos
ii)	BRM340 : Cement	0.672	1.9393416	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.808059	1 Cum
6	Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm2 with dimensional tolerance \pm 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.	-	15.64805	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	15.64805	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 2 %	400	6259.22	1000 Nos
iii)	BRM340 : Cement	0.672	10.5154896	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.381454	1 Cum

7	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.	-	149.4375	Sqm
i)	BRM340 : Cement	0.0358	5.3498625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.2415625	1 Cum
8	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.	-	111.424	Sqm
i)	BRM340 : Cement	0.043	4.791232	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.005632	1 Cum

9	<p>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.</p>	-	20	Qntl
i)	BRM162 : Binding Wire.	0.8	16	1 Kg.
ii)	BRM341 : Steel	1.05	21	1 Qntl.
10	<p>Flooring (AR0817ab) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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>	-	59.774	Sqm

i)	BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	1	59.774	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	59.774	1 Sqm
iii)	CON026 : cement (Other way)	0.1375	8.218925	1000 kg
iv)	BRM340 : Cement	0.1375	8.218925	1 Qntl.
v)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.89661	1 Cum
11	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	-	10.38	Sqm
i)	BRM281 : Prelaminated particle board (standard type) (I.S.I.) 12mm	1.1018518518519	11.4372222222222	Sqm
ii)	BRMMR0008 : Hire charges of drills machine	0.694444444444444	7.20833333333333	Day
iii)	BRMMR0018 : 6-Level mortice lock	0.46296296296296	4.80555555555556	Each
iv)	BRMMR0017 : Handle	0.92592592592593	9.61111111111111	Each
v)	BRMMR0016 : Door Stopper	0.46296296296296	4.80555555555556	Each

vi)	BRMMR0011 : U rubber beading	8.4675925925926	87.8936111111111	Mtr
vii)	BRMMR0015 : 4 Anodised Al. Hinges	1.8518518518519	19.2222222222222	Each
viii)	BRM304 : Aluminium extruded section	11.8218055555556	122.71034166667	kg
12	Iron Work(AR1704) :Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	0.1038	Qntl
i)	BRM341 : Steel	1	0.1038	1 Qntl.
13	R.C.C. Work (AR0410c) :R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring 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	-	16.491	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.04403097	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.077866	1Mtr.

14	R.C.C. Work (AR0410d) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring 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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	54.5445	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	30.129342857143	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.28311192857143	1Cum.
15	R.C.C. Work (AR0410e) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring 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. Lintels Data for 7.8 sqm	-	4.425	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	1.1913461538462	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.023429807692308	1Cum.

16	R.C.C. Work (AR0410a) :.Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - Rigid and smooth centring 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	78.925	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	49.1088888888889	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.396378888888889	1Cum.
17	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	225.85	Sqm
i)	BRM142 : Distemper	0.25	56.4625	1 Kg.

18	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner 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.	-	225.85	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	18.9714	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	30.230775	1 Cum	364.91	11031.51210525
2	BRM340	122.6620282195	1 Qntl.	593.017	72740.667988643
3	BRM028	24.05378525	1 Cum	368.28	8858.52803187
4	BRM044	9.535512	1 Cum.	1492.6	14232.7052112
5	BRM060	7.1621694	1 Cum.	1905.12	13644.792167328
6	BRM052	10.7432541	1 Cum.	1879.64	20193.450136524
7	BRM006	7413.59	1000 Nos	5.24616	38892.8793144
8	BRMMR0025	15.64805	1 Cum	33	516.38565
9	BRM162	16	1 Kg.	90.1	1441.6
10	BRM341	21.1038	1 Qntl.	6674.467	140856.6166746
11	BRM132	59.774	1 Sqm.	705.3611111	42162.255054891
12	BRMMR0027	59.774	1 Sqm	8.5	508.079
13	CON026	8.218925	1000 kg	0	0
14	BRM281	11.437222222222	Sqm	710.82	8129.8063
15	BRMMR0008	7.20833333333333	Day	100	720.833333333333
16	BRMMR0018	4.80555555555556	Each	600	2883.33333333333
17	BRMMR0017	9.61111111111111	Each	62.5	600.694444444444
18	BRMMR0016	4.80555555555556	Each	25	120.138888888889
19	BRMMR0011	87.8936111111111	Mtr	15	1318.4041666667
20	BRMMR0015	19.2222222222222	Each	39	749.666666666667
21	BRM304	122.71034166667	kg	297.97	36564.000506417
22	BRM104	0.74695159515263	1Cum.	58573.086	43751.260020712
23	BRM092	2.077866	1Mtr.	229.106	476.051567796

24	BRM084	79.238231746032	1Mtr	250.166	19822.711482978
25	BRM094	1.1913461538462	1Mtr.	240.106	286.04935961538
26	BRM142	56.4625	1 Kg.	70.40732	3975.3733055
27	BRM253	18.9714	1 Ltr	159.33732	3022.852032648
Total: 487500.64674371					