

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Lanjigarh	Gram Panchayat	Pokharibandh

Work Code	OD/358/3418/118807/423147/00073020 (CONSTRUCTION OF KALYAN MANDAP AT POKHARIBANDH)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Lanjigarh	Proposal Date	22-11-2022
Date of Commencement	06-03-2026	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	SMITA BISWAL		

Administrative Approval Details

Approval No.	OD/358/3418/118807/423147/00073020/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3418/118807/423147/00073020/TS
Fund Sanction No.	
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	-	25.9272	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.	-	15.56154	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.56154	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.	-	7.68744	Cum
i)	BRM340 : Cement	2.29	17.6042376	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.6899712	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.3799424	1 Cum.

4	<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>	-	18.6687125	Cum
i)	BRM340 : Cement	3.4733	64.84203912625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.400920625	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	6.7207365	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	10.08110475	1 Cum.

5	<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>	-	10.3012	Cum
i)	BRM340 : Cement	0.672	6.9224064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.884336	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	3605.42	1000 Nos
6	<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>	-	22.52125	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	22.52125	1 Cum
ii)	BRM340 : Cement	0.672	15.13428	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.30595	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	7882.4375	1000 Nos
7	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	-	37.09	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0990303	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.67334	1Mtr.

8	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	-	37.986	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	20.982742857143	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.19716542857143	1Cum.
9	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	-	12.786	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	3.4423846153846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.067700230769231	1Cum.

10	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	-	57.0092	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	35.4723911111111	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.286312871111111	1Cum.
11	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.	-	14.5	Qntl
i)	BRM162 : Binding Wire.	0.8	11.6	1 Kg.
ii)	BRM341 : Steel	1.05	15.225	1 Qntl.

12	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.	-	143.253	Sqm
i)	BRM340 : Cement	0.0358	5.1284574	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.148795	1 Cum
13	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.	-	117.64	Sqm
i)	BRM340 : Cement	0.043	5.05852	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.11752	1 Cum

14	<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>	-	35.0155	Sqm
i)	BRM174 : White Cement.	0.0076	0.2661178	1Qntl
ii)	BRM340 : Cement	0.1074	3.7606647	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.7353255	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	35.0155	1 Sqm.
15	<p>Other Building Items. (AR1902) :.cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	152.65	Sqm
i)	BRMMR0038 : Cement based putty	0.8	122.12	kg

16	Painting(AR0920) :.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)	-	152.65	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	19.08125	1 Litre
17	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.	-	143.26	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	10.7445	1 Ltr
18	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.	-	3.9216	Qntl
i)	BRM341 : Steel	1	3.9216	1 Qntl.

19	Painting(AR0901b) :.Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	23.139	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.249506	1 Litre
20	Painting(AR0903k) :.Painting two coats of enamel paint in inner surface paint (Inner surface)(For repair and maintenance). - Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)	-	23.14	Sqm
i)	BRM141 : Enamel paint	0.125	2.8925	1 Litre
21	Painting(AR0901cik) :.Priming one coat outer surface with primer of approved quality oil-bound primer over plastering surfaces (Outer surface)(For repair and maintenance) . - Priming one coat outer surface with primer of approved quality oil-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(For repair and maintenance).	-	117.63	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.88092	1 Ltr

22	Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	48.7797	Sqm
i)	BRM340 : Cement	0.0744	3.62920968	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.0243737	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	15.56154	1 Cum	413.05	6427.694097
2	BRM340	122.07981490625	1 Qntl.	638.282	77921.348417991
3	BRM028	27.307192025	1 Cum	1122.79	30660.24213375
4	BRM044	7.3799424	1 Cum.	1401.46	10342.694075904
5	BRM060	6.7207365	1 Cum.	1801.21	12105.457791165
6	BRM052	10.08110475	1 Cum.	1786.21	18006.970115498
7	BRM005	11487.8575	1000 Nos	6.30115	72386.713286125
8	BRMMR0025	22.52125	1 Cum	33	743.20125
9	BRM104	0.65020883045177	1Cum.	58620.646	38115.661675987
10	BRM092	4.67334	1Mtr.	276.666	1292.95428444
11	BRM084	56.455133968254	1Mtr	345.286	19493.167387363
12	BRM094	3.4423846153846	1Mtr.	335.226	1153.9768250769
13	BRM162	11.6	1 Kg.	90.1	1045.16
14	BRM341	19.1466	1 Qntl.	6397.397	122488.4014002
15	BRM174	0.2661178	1Qntl	2047.912	544.9858360336
16	BRM131	35.0155	1 Sqm.	672.1358341	23535.172298929
17	BRMMR0038	122.12	kg	30	3663.6
18	BRM140	19.08125	1 Litre	249.70677	4764.7173050625
19	BRM255	10.7445	1 Ltr	189.86677	2040.023510265
20	BRM137	1.249506	1 Litre	143.06677	178.76278751562
21	BRM141	2.8925	1 Litre	205.70677	595.006832225
22	BRM252	9.88092	1 Ltr	125.86677	1243.6794850284

