

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Dhankauda	Gram Panchayat	Sason

Work Code	OD/371/3559/121307/381736/00052187 (Renovation of Kalyan Mandap and Kitchen at Sason)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Dhankauda	Proposal Date	-
Date of Commencement	20-11-2025	Date of Completion	-
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD
Project Sub-Category	Kalyan Mandap	Project Type	Renovation or Rejuvenation
Name of Executant	PRADEEP KUMAR BADHAI		

Administrative Approval Details

Approval No.	OD/371/3559/121307/381736/00052187/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3559/121307/381736/00052187/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	500000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	16.626113	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.	-	26.956348	Cum
i)	BRM029 : Sand for filling and road blinding	1	26.956348	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.	-	6.68194	Cum
i)	BRM340 : Cement	2.29	15.3016426	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.2073312	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	6.4146624	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>	-	3.195485	Cum
i)	BRM340 : Cement	3.4733	11.0988780505	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.43796825	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	1.1503746	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	1.7255619	1 Cum.

5	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.	-	2.255428	Qntl
i)	BRM162 : Binding Wire.	0.8	1.8043424	1 Kg.
ii)	BRM341 : Steel	1.05	2.3681994	1 Qntl.
6	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	-	28.829	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.07697343	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.632454	1Mtr.

7	<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>	-	5.99217	Cum
i)	BRM340 : Cement	0.672	4.02673824	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.6778076	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./Cm2 with dimensional tolerance ± 2 %	350	2097.2595	1000 Nos
8	<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>	-	9.6685	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	9.6685	1 Cum
ii)	BRM340 : Cement	0.672	6.497232	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.70718	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	3383.975	1000 Nos
9	Plastering (AR1004i) :.12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	38.674	Sqm
i)	BRM340 : Cement	0.0358	1.3845292	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.58011	1 Cum
10	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.	-	38.674	Sqm
i)	BRM340 : Cement	0.043	1.662982	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.696132	1 Cum
11	Flooring (AR0802i) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	52.6608	Sqm
i)	BRM340 : Cement	0.0858	4.51829664	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.6319296	1 Cum
iii)	BRM056 : 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) (Crusher broken)	0.023	1.2111984	1 Cum.
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.	-	3.02958	Qntl
i)	BRM341 : Steel	1	3.02958	1 Qntl.

13	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.	-	77.348	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	6.497232	1 Ltr
14	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)	-	38.674	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	4.83425	1 Litre

15	<p>Painting(AR0918fk) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) . - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	-	38.674	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	4.83425	1 Ltr
16	<p>Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.</p>	-	42.8604	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.3144616	1 Litre
ii)	BRM141 : Enamel paint	0.125	5.35755	1 Litre
17	<p>Iron Work(AR1703) :.Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.</p>	-	10.18899	Qntl
i)	BRM341 : Steel	1	10.18899	1 Qntl.

18	Roofing (AR1135) :G.C.I. Sheet (0.30mm thick) in walling - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in walling including cost of nuts and bolts, fitting, labour and material etc. complete as per direction of Engineer-in-Charge.	-	74.112	Sqm
i)	BRMMR0036 : Add for cost of Bolts & Nuts in GI Sheet walling	0.10752688172043	7.9690322580645	L.S.
ii)	BRM149 : G.C.I. Sheet 0.30mm thick	1	74.112	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	26.956348	1 Cum	931.91	25120.89026468
2	BRM340	44.4902987305	1 Qntl.	568.732	25303.056577595
3	BRM028	10.93845865	1 Cum	938.79	10268.915596034
4	BRM044	6.4146624	1 Cum.	1746.81	11205.196426944
5	BRM060	1.1503746	1 Cum.	2215.48	2548.631918808
6	BRM052	1.7255619	1 Cum.	2179.1	3760.17193629
7	BRM162	1.8043424	1 Kg.	90	162.390816
8	BRM341	15.5867694	1 Qntl.	6685.862	104210.98923422
9	BRM104	0.07697343	1Cum.	58620.646	4512.2321914358
10	BRM092	3.632454	1Mtr.	276.666	1004.976518364
11	BRM005	5481.2345	1000 Nos	6.01135	32949.619011575
12	BRMMR0025	9.6685	1 Cum	33	319.0605
13	BRM056	1.2111984	1 Cum.	2193.43	2656.678906512
14	BRM253	6.497232	1 Ltr	159.33732	1035.2515342982
15	BRM140	4.83425	1 Litre	249.64732	1206.85755671
16	BRM255	4.83425	1 Ltr	195.09732	943.14921921
17	BRM137	2.3144616	1 Litre	143.00732	330.98495065891
18	BRM141	5.35755	1 Litre	205.64732	1101.765799266
19	BRMMR0036	7.9690322580645	L.S.	30	239.07096774194
20	BRM149	74.112	1 Sqm	318.299032	23589.777859584

Total: 252469.66778593