

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Bargarh	Gram Panchayat	Gudesira

Work Code	OD/347/3312/116380/380624/00016497 (Improvement/Completion Of Mandap Ghar At Canalpada,Dumerpali)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bargarh	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Kalyan Mandap	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	300000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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</p>	Cum	17.8632	240.77592	4301.028414144
2	<p style="text-align: center;">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.</p>	Cum	32.02932	630.000832	20178.498248394

3	<p style="text-align: center;">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>	Cum	9.956192	5481.28989296	54572.774581969
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4	<p style="text-align: center;">Masonry</p> <p>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/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>	Cum	6.00496	5045.678101728	30299.095173753
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5	<p style="text-align: center;">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 ±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>	Cum	8.250606	5062.747101728	41770.731614
6	<p style="text-align: center;">Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in- Charge</p>	Sqm	108.5175	537.51755491832	58330.061265849

7	<p style="text-align: center;">Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks</p> <p>- 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>	Qntl	1.95	13445.925466252	26219.554659191
8	<p style="text-align: center;">Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. -</p> <p>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.</p>	Sqm	35.035	245.653556632	8606.4723566021

9	<p>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.</p>	Sqm	48.756	171.1407103992	8344.1364762234
10	<p>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.</p>	Sqm	97.9204	367.6340287992	35998.871153629

11	Plastering (AR1041i) : Finishing wall cement washing one coat on the outer surface of on new work - Finishing wall cement washing one coat on the outer surface of on new work including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.	Sqm	85.6747	17.706370191656	1516.9879542591
12	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.	Sqm	85.6747	57.09560199	4891.6485718127
Total Amount (in Rs.): 295029.86046983					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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</p>	-	17.8632	Cum
i	Un-Skilled	0.516	9.2174112	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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.</p>	-	32.02932	Cum
i	Un-Skilled	0.1236	3.958823952	-

3	<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>	-	9.956192	Cum
i	Skilled	0.18	1.79211456	-
ii	Un-Skilled	3.9	38.8291488	-
4	<p>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/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>	-	6.00496	Cum
i	Un-Skilled	2.96	17.7746816	-

	ii	Skilled	1.05	6.305208	-
	iii	Highly-Skilled	0.35	2.101736	-
5		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/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.	-	8.250606	Cum
	i	Un-Skilled	2.96	24.42179376	-
	ii	Skilled	1.05	8.6631363	-
	iii	Highly-Skilled	0.35	2.8877121	-

6		Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	108.5175	Sqm
	i	Un-Skilled	0.21505376344086	23.337096774194	-
	ii	Highly-Skilled	0.16129032258065	17.502822580645	-
7		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.	-	1.95	Qntl
	i	Un-Skilled	4.9212598425197	9.5964566929134	-
	ii	Semi-Skilled	1.9685039370079	3.8385826771654	-
	iii	Skilled	4.4291338582677	8.636811023622	-

8	<p>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.</p>	-	35.035	Sqm
i	Un-Skilled	0.24	8.4084	-
ii	Skilled	0.16	5.6056	-
9	<p>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.</p>	-	48.756	Sqm
i	Un-Skilled	0.12	5.85072	-
ii	Skilled	0.14	6.82584	-

10	<p>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.</p>	-	97.9204	Sqm
i	Un-Skilled	0.36	35.251344	-
ii	Highly-Skilled	0.13	12.729652	-
11	<p>Plastering (AR1041i) : Finishing wall cement washing one coat on the outer surface of on new work - Finishing wall cement washing one coat on the outer surface of on new work including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	85.6747	Sqm
i	Un-Skilled	0.010752688172043	0.921233333333333	-
ii	Skilled	0.0080645161290323	0.690925	-

12	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.	-	85.6747	Sqm
i	Un-Skilled	0.043	3.6840121	-
ii	Highly-Skilled	0.036	3.0842892	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	181.25112221244	462	83738.018462147
2	Skilled	38.519634883622	562	21648.034804596
3	Highly-Skilled	38.306211880645	612	23443.401670955
4	Semi-Skilled	3.8385826771654	512	1965.3543307087
Total:				130794.80926841

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>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</p>	-	17.8632	Cum
2	<p>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.</p>	-	32.02932	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	32.02932	1 Cum
3	<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>	-	9.956192	Cum
i)	<p>BRM340 : Cement</p>	2.29	22.79967968	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.48	4.77897216	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.55794432	1 Cum.
4	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.	-	6.00496	Cum
i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	2401.984	1000 Nos
ii)	BRM340 : Cement	0.672	4.03533312	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.6813888	1 Cum

5	<p>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 ±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>	-	8.250606	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	8.250606	1 Cum
ii)	<p>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 ± 2 %</p>	400	3300.2424	1000 Nos
iii)	<p>BRM340 : Cement</p>	0.672	5.544407232	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	2.31016968	1 Cum
6	<p>Roofing (AR1132i) :.Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge</p>	-	108.5175	Sqm
i)	<p>BRM150 : G.C.I. Sheet 0.40mm thick</p>	1	108.5175	1 Sqm.

7	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.	-	1.95	Qntl
i)	BRM341 : Steel	1	1.95	1 Qntl.
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.	-	35.035	Sqm
i)	BRM340 : Cement	0.043	1.506505	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.63063	1 Cum
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.	-	48.756	Sqm
i)	BRM340 : Cement	0.0358	1.7454648	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.73134	1 Cum

10	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.	-		97.9204	Sqm
i)	BRM340 : Cement	0.0858		8.40157032	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012		1.1750448	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		2.2521692	1 Cum.
11	Plastering (AR1041i) :.Finishing wall cement washing one coat on the outer surface of on new work - Finishing wall cement washing one coat on the outer surface of on new work including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.	-		85.6747	Sqm
i)	BRM340 : Cement	0.010763440860215		0.92215456666667	1 Qntl.
12	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.	-		85.6747	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075		6.4256025	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM029	32.02932	1 Cum	401.41	12856.8893412
2	BRM340	44.955114718667	1 Qntl.	637.012	28636.947537167
3	BRM028	11.30754544	1 Cum	409.04	4625.2383867776
4	BRM044	9.55794432	1 Cum.	1354.39	12945.184207565
5	BRM006	5702.2264	1000 Nos	5.36398	30586.628365072
6	BRMMR0025	8.250606	1 Cum	33	272.269998
7	BRM150	108.5175	1 Sqm.	334.1310828	36259.069777749
8	BRM341	1.95	1 Qntl.	6396.322	12472.8279
9	BRM056	2.2521692	1 Cum.	1802.83	4060.278198836
10	BRM255	6.4256025	1 Ltr	195.09732	1253.6178271353
Total: 143968.9515395					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	32.02932	1 Cum	165.25	5292.84513
2	BRM028	11.30754544	1 Cum	165.25	1868.57188396
3	BRM044	9.55794432	1 Cum.	249.5	2384.70710784
4	BRM006	2401.984	1000 Nos	0.04025	96.679856
5	BRM056	2.2521692	1 Cum.	249.5	561.9162154
Total: 10204.7201932					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1970	Rs. 1970
2	Display Citizen Board @ Rs. 3000	Rs. 3000
Total Addition Component Amount (in Rs.): 4970		

Total Net Amount (in Rs.): 299999.86046983