

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Balangir	Panchayat	Chudapali
Work Code	OD/345/3285/115785/420189/00015311 (Repair & maintenance of govt. UP school Daupali)						
Project Category	Building						
Financial Year	2023-24			Execution Level	Chudapali, G.P		
Executing Agency	Panchayat Samiti, Balangir			Proposal Date	-		
Date of Commencement	-			Date of Completion			
Scheme Name	5th SFC Grant in Aid			Scheme Component Name	Maintenance of Primary School Building		
Project Sub-Category	Elementary School			Project Type	Repair and Maintenance		
Name of Executant	Jyotranjan Mohanty						

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	13739
Fund Sanction Amount (in Rs.)	200000

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;">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 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	0.56685702912	4995.229584256	2831.5810019037
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2	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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.</p>	Cum	0.1433538	7284.45896004	1044.2548728658
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3	<p>Plastering (AR1004k) : 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). - 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(For repair and maintenance).</p>	Sqm	6.4660488	174.1577520184	1126.1125234493
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4	<p style="text-align: center;">Painting (AR0901d) :</p> <p>Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</p> <p>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.</p>	Sqm	206.12853125	70.746467824133	14582.865503714
5	<p style="text-align: center;">Roofing (AR1132i) :</p> <p>Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties</p> <p>- 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	109.49175968	534.26960958351	58498.119696845

6	<p style="text-align: center;">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.</p>	Sqm	25.31420944	66.430624603133	1681.6387444337
7	<p style="text-align: center;">Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in- charge.(Outside)</p>	Sqm	43.604487565	166.34192761438	7253.2545141994

8	<p style="text-align: center;">Painting (AR0920) :</p> <p>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</p> <p>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)</p>	Sqm	130.1106515	99.2270800875	12910.500036627
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1	<p>Masonry Brick Work (AR0603 ci) : 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 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>	0.566857 02912	Cubic Meter	2.82	1.598536 8221184	1.05	0.595199 880576	0.35	0.198399 960192
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2	<p>Concrete</p> <p>(AR0307)): Cement concrete (1:2:4) with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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.</p>	0.1433538	Cubic Meter	4.6	0.65942748	0.68	0.097480584	-	-
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3	<p>Plastering (AR1004k) : 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(F or repair and maintenance). - 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(Fo r repair and</p>	6.4660488	Square Meter	0.1224	0.79144437312	0.1428	0.92335176864	-	-
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4	Painting (AR0901 d) : 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.	206.1285 3125	Square Meter	0.053763 44086021 5	11.08217 9099462	-	-	0.053763 44086021 5	11.08217 9099462
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5	Roofing (AR1132i) : Supplying, fitting & 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	109.4917 5968	Square Meter	0.215053 76344086	23.54661 4984946	-	-	0.161290 32258065	17.65996 123871
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6	Painting (AR0901 b) : 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.	25.31420 944	Square Meter	0.053763 44086021 5	1.360979 0021505	-	-	0.053763 44086021 5	1.360979 0021505
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7	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	43.60448 7565	Square Meter	0.118279 56989247	5.157520 0345699	-	-	0.134408 60215054	5.860818 2211022
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8	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.(In side)	130.1106 515	Square Meter	0.064	8.327081 696	-	-	0.054	7.025975 181
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9	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).	81.08109 325	Square Meter	0.06528	5.292973 76736	-	-	0.05508	4.465946 61621
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Total Qty	57.816757259727	1.616032233216	47.654259318827
Rate Per Man Day	452	552	602
Total Amount	26133.174281397	892.04979273523	28687.864109934
Total Labour Amount (in Rs.): 55713.088184066			

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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 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.	-	0.56685702912	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	0.56685702912	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 ± 2 %	400	226.742811648	1000 Nos
iii)	BRM340 : Cement	0.672	0.38092792356864	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.1587199681536	1 Cum

2	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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.</p>	-	0.1433538	Cum
i)	BRM340 : Cement	3.23	0.463032774	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.06450921	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)	0.9	0.12901842	1 Cum.

3	<p>Plastering (AR1004k) :.12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). - 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(For repair and maintenance).</p>	-	6.4660488	Sqm
i)	BRM340 : Cement	0.0358	0.23148454704	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.096990732	1 Cum
4	<p>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.</p>	-	206.12853125	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	17.314796625	1 Ltr

5	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	-	109.49175968	Sqm
i)	BRM150 : G.C.I. Sheet 0.40mm thick	1	109.49175968	1 Sqm.
6	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.	-	25.31420944	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.36696730976	1 Litre
7	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	43.604487565	Sqm

i)	BRM141 : Enamel paint	0.125	5.450560945625	1 Litre
8	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)	-	130.1106515	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	16.2638314375	1 Litre
9	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).	-	81.08109325	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	10.13513665625	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0025	0.56685702912	1 Cum	33	18.70628196096

2	BRM006	226.742811648	1000 Nos	5.24616	1189.5290687553
3	BRM340	1.0754452446086	1 Qntl.	648.938	697.89728614584
4	BRM028	0.3202199101536	1 Cum	522.15	167.2028260867
5	BRM056	0.12901842	1 Cum.	1750.75	225.878998815
6	BRM253	17.314796625	1 Ltr	159.27787	2757.8639259132
7	BRM150	109.49175968	1 Sqm.	334.6787362	36644.563754017
8	BRM137	1.36696730976	1 Litre	142.94787	195.40506528982
9	BRM141	5.450560945625	1 Litre	205.58787	1120.5692151162
10	BRM140	16.2638314375	1 Litre	249.58787	4059.2550465247
11	BRM255	10.13513665625	1 Ltr	195.03787	1976.7354655939
Total: 49053.606934218					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM006	226.742811648	1000 Nos	0.07925	17.969367823104
2	BRM028	0.3202199101536	1 Cum	79.25	25.377427879673
3	BRM056	0.12901842	1 Cum.	301.5	38.89905363
Total: 82.245849332777					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 7000	Rs. 7000
2	Provision for EI Work @ Rs. 14000	Rs. 14000
3	Provision for Contingency @ Rs. 2000	Rs. 2000
4	Display Citizen Board @ Rs. 3000	Rs. 3000
5	Any Other Lumpsum @ Rs. 66943	Rs. 66943

Total Addition Component Amount (in Rs.): 92943

Total Net Amount (in Rs.): 199999.56296015