

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Jagatsinghpur	Gram Panchayat	Kantilo

Work Code	OD/355/3389/118125/397918/00016902 (Repair & Maintenance of Bhokanji Pry. School)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Jagatsinghpur	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			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	66880

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;">Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	57.6	160.71529806685	9257.2011686506
2	<p style="text-align: center;">Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (new work)</p>	Sqm	10.89	369.2185962256	4020.7905128968

3	<p>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.</p>	Sqm	21.6	168.4897175856	3639.377899849
4	<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>	Cum	2.7	4936.091362104	13327.446677681

5	<p style="text-align: center;">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.</p>	Qntl	1.74	15764.314339087	27429.906950011
6	<p style="text-align: center;">Painting (AR0902iak) : Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (Out side)(For repair and maintenance) . - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner 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.(Out side)(For repair and maintenance)</p>	Sqm	27	179.63615956306	4850.1763082026

7	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	10.89	112.89193548387	1229.3931774193
Total Amount (in Rs.): 63754.29269471					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	57.6	Sqm
	i Un-Skilled	0.11776344086022	6.7831741935484	-
	ii Highly-Skilled	0.10776344086022	6.2071741935484	-

2	<p>Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)</p>	-	10.89	Sqm
i	Un-Skilled	0.36	3.9204	-
ii	Highly-Skilled	0.1	1.089	-
3	<p>Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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>	-	21.6	Sqm
i	Un-Skilled	0.12	2.592	-
ii	Skilled	0.14	3.024	-

4	<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</p> <p>- 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>	-	2.7	Cum
i	Un-Skilled	2.96	7.992	-
ii	Skilled	1.05	2.835	-
iii	Highly-Skilled	0.35	0.945	-
5	<p>Iron Work (AR1704) : Iron Doors and windows fixing -</p> <p>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.</p>	-	1.74	Qntl
i	Un-Skilled	6.3976377952756	11.13188976378	-

	ii	Semi-Skilled	1.9685039370079	3.4251968503937	-
	iii	Skilled	3.9370078740157	6.8503937007874	-
	iv	Highly-Skilled	3.4448818897638	5.994094488189	-
6		<p>Painting (AR0902iak) : Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (Out side)(For repair and maintenance) . - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner 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.(Out side)(For repair and maintenance)</p>	-	27	Sqm
	i	Un-Skilled	0.14477419354839	3.9089032258065	-
	ii	Highly-Skilled	0.13709677419355	3.7016129032258	-
7		<p>Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	10.89	Sqm

i	Un-Skilled	0.24193548387097	2.6346774193548	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	38.963044602489	462	18000.92660635
2	Highly-Skilled	17.936881584963	612	10977.371529997
3	Skilled	12.709393700787	562	7142.6792598425
4	Semi-Skilled	3.4251968503937	512	1753.7007874016
Total:				37874.678183592

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	57.6	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	7.2	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	5.2025806451613	1 Ltr

2	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (new work)	-	10.89	Sqm
i)	BRM340 : Cement	0.1208	1.315512	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	0.184041	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	0.184041	1 Cum.
3	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	21.6	Sqm
i)	BRM340 : Cement	0.0358	0.77328	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.324	1 Cum

4	<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>	-	2.7	Cum
i)	BRM340 : Cement	0.672	1.8144	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.756	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	945	1000 Nos
5	<p>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.</p>	-	1.74	Qntl
i)	BRM341 : Steel	1	1.74	1 Qntl.

6	Painting(AR0902iak) :.Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (Out side)(For repair and maintenance) . - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner 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.(Out side)(For repair and maintenance)	-	27	Sqm
i)	BRM141 : Enamel paint	0.075	2.025	1 Litre
ii)	BRM138 : Wood Primer	0.075	2.025	1 Litre
7	Dismantling (AR1620) :.Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	10.89	Sqm

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM255	7.2	1 Ltr	195.03787	1404.272664
2	BRM253	5.2025806451613	1 Ltr	159.27787	828.65596366452
3	BRM340	3.903192	1 Qntl.	603.877	2357.047875384
4	BRM028	1.264041	1 Cum	412.82	521.82140562
5	BRM064	0.184041	1 Cum.	2172.11	399.75729651
6	BRM005	945	1000 Nos	6.00665	5676.28425
7	BRM341	1.74	1 Qntl.	6210.377	10806.05598
8	BRM141	2.025	1 Litre	205.58787	416.31543675
9	BRM138	2.025	1 Litre	155.32787	314.53893675
Total: 22724.749808679					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.264041	1 Cum	77.25	97.64716725
2	BRM064	0.184041	1 Cum.	444.5	81.8062245
Total: 179.45339175					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 637.5429269471
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 488	Rs. 488
Total Addition Component Amount (in Rs.): 3125.5429269471		

Total Net Amount (in Rs.): 66879.835621658