

ESTIMATION DPR							
State	Odisha	District	Kendrapara	Block	Rajkanika	Gram Panchayat	Baradia

Work Code	OD/360/3441/119206/395618/00063202 (REPAIR AND RESTORATION OF OF BARADIA PRIMARY SCHOOL)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Rajkanika	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Severe Cyclonic Storm DANA 2024	Scheme Component Name	Self/Personal Deposit
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.	5574
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>miscellaneous (ARM123) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge. -</p> <p>Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	654.56	7.01	4588.4656
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2	<p style="text-align: center;">Painting (AR0917gk) : Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	Sqm	217.55	127.85969070528	27815.875712934
3	<p style="text-align: center;">Painting (AR0917gk) : First Floor - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	Sqm	115.17	102.08738557706	11757.40419691

4	<p style="text-align: center;">Painting (AR0919ak) : Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work (Inside)(For repair and maintenance). -</p> <p>Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)</p>	Sqm	292.025	132.25243320528	38621.016806772
5	<p style="text-align: center;">Painting (AR0919ak) : First Floor - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)</p>	Sqm	129.575	135.33190505135	17535.631597029

6	<p style="text-align: center;">Masonry</p> <p>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>	Cum	1.49776	5745.141592424	8604.843271469
7	<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	15.598	171.1617582336	2669.7811049277

8	<p>Dismantling (AR1603) : Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.</p>	Cum	0.627	1401.5088339223	878.74603886928
9	<p>Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	Sqm	14.82	1535.605104031	22757.667641739

10	<p align="center">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>	Sqm	49.14	230.37570221703	11320.662006945
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Total Amount (in Rs.): 146550.09397759

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>miscellaneous (ARM123) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge.</p>	-	654.56	Sqm

2	<p>Painting (AR0917gk) : Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	-	217.55	Sqm
i	Highly-Skilled	0.091558709677419	19.918597290323	-
ii	Un-Skilled	0.098698709677419	21.471904290323	-
3	<p>Painting (AR0917gk) : First Floor - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	-	115.17	Sqm
i	Highly-Skilled	0.07364564516129	8.4817689532258	-

	ii	Un-Skilled	0.08114264516129	9.3451984432258	-
4		Painting (AR0919ak) : Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)	-	292.025	Sqm
	i	Un-Skilled	0.098698709677419	28.822490693548	-
	ii	Highly-Skilled	0.091558709677419	26.737432193548	-
5		Painting (AR0919ak) : First Floor - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)	-	129.575	Sqm

	i	Un-Skilled	0.10165967096774	13.172551865645	-
	ii	Highly-Skilled	0.094305470967742	12.219631400645	-
6		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/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.	-	1.49776	Cum
	i	Un-Skilled	2.96	4.4333696	-
	ii	Skilled	1.05	1.572648	-
	iii	Highly-Skilled	0.35	0.524216	-

7	<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>	-	15.598	Sqm
i	Un-Skilled	0.12	1.87176	-
ii	Skilled	0.14	2.18372	-
8	<p>Dismantling (AR1603) : Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.</p>	-	0.627	Cum
i	Un-Skilled	3.0035335689046	1.8832155477032	-

9	<p>Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	14.82	Sqm
i	Highly-Skilled	0.325	4.8165	-
ii	Un-Skilled	0.325	4.8165	-
iii	Semi-Skilled	0.76	11.2632	-
10	<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>	-	49.14	Sqm

i	Highly-Skilled	0.18817204301075	9.2467741935484	-
ii	Un-Skilled	0.17204301075269	8.4541935483871	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Highly-Skilled	81.94492003129	612	50150.29105915
2	Un-Skilled	94.271183988832	462	43553.28700284
3	Skilled	3.756368	562	2111.078816
4	Semi-Skilled	11.2632	512	5766.7584
Total: 101581.41527799				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	miscellaneous(ARM12 3) :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting) and as directed by Engineer-in-Charge.	-	654.56	Sqm

i)	BRMM123 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height scaffolding charges above 5M high and upto 8M height. (Painting)	1	654.56	Sqm
2	Painting(AR0917gk) :.Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).	-	217.55	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	16.31625	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	18.2742	1 Ltr
3	Painting(AR0917gk) :.First Floor - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).	-	115.17	Sqm

i)	BRM143 : Cement paint	0.166	19.11822	1 Kg.
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.67428	1 Ltr
4	Painting(AR0919ak) :.Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)	-	292.025	Sqm
i)	BRM140 : Plastic Emulsion paint	0.075	21.901875	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	24.5301	1 Ltr
5	Painting(AR0919ak) :.First Floor - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance)	-	129.575	Sqm
i)	BRM140 : Plastic Emulsion paint	0.075	9.718125	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	10.8843	1 Ltr

6	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/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.	-	1.49776	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1.49776	1 Cum
ii)	BRM340 : Cement	0.672	1.00649472	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.4193728	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 ± 2 %	350	524.216	1000 Nos
7	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.	-	15.598	Sqm
i)	BRM340 : Cement	0.0358	0.5584084	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.23397	1 Cum
8	Dismantling (AR1603) :Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.	-	0.627	Cum
9	Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	14.82	Sqm
i)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	14.82	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	14.82	1 Sqm
iii)	BRM340 : Cement	0.1375	2.03775	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2223	1 Cum

10	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.	-	49.14	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.65356	1 Litre
ii)	BRM141 : Enamel paint	0.125	6.1425	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMM123	654.56	Sqm	7.01	4588.4656
2	BRM255	16.31625	1 Ltr	191.77622	3129.068749575
3	BRM252	63.36288	1 Ltr	125.92622	7979.0479667136
4	BRM143	19.11822	1 Kg.	47.83	914.4244626
5	BRM140	31.62	1 Litre	249.76622	7897.6078764
6	BRMMR0025	1.49776	1 Cum	33	49.42608
7	BRM340	3.60265312	1 Qntl.	611.272	2202.2009779686
8	BRM028	0.8756428	1 Cum	412.92	361.570424976
9	BRM005	524.216	1000 Nos	8.05987	4225.11281192
10	BRM131	14.82	1 Sqm.	665.5902781	9864.047921442
11	BRMMR0027	14.82	1 Sqm	8.5	125.97
12	BRM137	2.65356	1 Litre	143.12622	379.7940123432
13	BRM141	6.1425	1 Litre	205.76622	1263.91900635
Total: 42980.655890288					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	0.8756428	1 Cum	235.25	205.9949687
Total: 205.9949687					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
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1	Provision for PH Work @ Rs. 5000	Rs. 5000
2	Provision for EI Work @ Rs. 19950	Rs. 19950
3	Provision for Contingency @ 1%	Rs. 1465.5009397759
4	Display Citizen Board @ Rs. 1000	Rs. 1000
5	Any Other Lumpsum @ Rs. 26000	Rs. 26000
Total Addition Component Amount (in Rs.): 53415.500939776		

Total Net Amount (in Rs.): 199965.59491737