

ESTIMATION DPR

State	Odisha	District	Kendujhar	Block	Jhumpura	Gram Panchayat	Badaneuli
--------------	--------	-----------------	-----------	--------------	----------	-----------------------	-----------

Work Code	OD/361/3450/119415/385646/00070921 (TOILET REPAIRING, ACR GRADING, FLOORING & COLORING AT GOVT. PS JADAKENDUSAHI)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Jhumpura	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p>Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	23.144459875	100.34838709677	2322.5092186822
2	<p>Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	Sqm	16.455443875	1068.6088524882	17584.432996448

3	<p style="text-align: center;">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 as per specificaion and direction of Engineer-in charge.</p>	Cum	0.5203212	7612.88552824	3961.1457335165
4	<p style="text-align: center;">Flooring (AR0816j) : Fixing Chequred Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequred Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequred tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	Sqm	6.8283705	993.0526227456	6780.9312341037

5	<p style="text-align: center;">Flooring (AR0817b) : Fourth Floor - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.</p>	Sqm	18.394794	967.73619676512	17801.307985838
6	<p>miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M 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 (Painting) and as directed by Engineer-in- Charge.</p>	Sqm	124.954535	5.12	639.7672192

7	<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	2.961370944	1401.5088339223	4150.3875385368
8	<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	54.255352	178.3239183904	9675.0269622904

9	<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	2.427316096	5361.169903736	13013.254000729
---	---	-----	-------------	----------------	-----------------

10	<p style="text-align: center;">Painting (AR0920b) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new 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)</p>	Sqm	62.430816	165.82736053871	10352.737433558
11	<p style="text-align: center;">Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - 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, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	Sqm	70.327571	87.89121	6181.1753115509

12	Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	39.576678	50.174193548387	1985.7279019742
Total Amount (in Rs.): 94448.403536427					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	23.144459875	Sqm
i	Un-Skilled	0.21505376344086	4.9773031989247	-

2	<p>Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	16.455443875	Sqm
i	Un-Skilled	0.216	3.554375877	-
ii	Highly-Skilled	0.216	3.554375877	-
3	<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 as per specificaion and direction of Engineer-in charge.</p>	-	0.5203212	Cum
i	Un-Skilled	4.6	2.39347752	-

	ii	Skilled	0.68	0.353818416	-
4		<p>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	6.8283705	Sqm
	i	Un-Skilled	0.216	1.474928028	-
	ii	Highly-Skilled	0.216	1.474928028	-
	iii	Semi-Skilled	0.55	3.755603775	-
5		<p>Flooring (AR0817b) : Fourth Floor - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	18.394794	Sqm

	i	Un-Skilled	0.39503953125	7.2666707992003	-
	ii	Highly-Skilled	0.39503953125	7.2666707992003	-
6		miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M 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 (Painting) and as directed by Engineer-in-Charge.	-	124.954535	Sqm
7		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.	-	2.961370944	Cum
	i	Un-Skilled	3.0035335689046	8.8945770402827	-

8	<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>	-	54.255352	Sqm
i	Un-Skilled	0.12	6.51064224	-
ii	Skilled	0.14	7.59574928	-
9	<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>	-	2.427316096	Cum
i	Un-Skilled	2.96	7.18485564416	-
ii	Skilled	1.05	2.5486819008	-

	iii	Highly-Skilled	0.35	0.8495606336	-
10		<p>Painting (AR0920b) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new 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)</p>	-	62.430816	Sqm
	i	Highly-Skilled	0.10776344086022	6.727759547871	-
	ii	Un-Skilled	0.11776344086022	7.352067707871	-
11		<p>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - 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, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	-	70.327571	Sqm
	i	Un-Skilled	0.064	4.500964544	-

	ii	Highly-Skilled	0.054	3.797688834	-
12		Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	39.576678	Sqm
	i	Un-Skilled	0.10752688172043	4.2555567741935	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	58.365419373632	462	26964.823750618
2	Highly-Skilled	23.670983719671	612	14486.642036439
3	Skilled	10.4982495968	562	5900.0162734016
4	Semi-Skilled	3.755603775	512	1922.8691328
Total:				49274.351193259

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1612) :.Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	23.144459875	Sqm

2	<p>Other Building Items. (AR1901Ba) :.Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	16.455443875	Sqm
i)	<p>BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)</p>	1	16.455443875	1 Sqm.
ii)	<p>BRM174 : White Cement.</p>	0.0076	0.12506137345	1Qntl
iii)	<p>BRM340 : Cement</p>	0.1074	1.767314672175	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.021	0.345564321375	1 Cum
3	<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 as per specificaion and direction of Engineer-in charge.</p>	-	0.5203212	Cum
i)	<p>BRM340 : Cement</p>	3.23	1.680637476	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.23414454	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	0.46828908	1 Cum.
4	Flooring (AR0816j) :.Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.	-	6.8283705	Sqm
i)	BRM134 : Chequered Tiles.	1	6.8283705	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	6.8283705	1 Sqm
iii)	BRM340 : Cement	0.2737	1.86892500585	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.0887688165	1 Cum

5	Flooring (AR0817b) :.Fourth Floor - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.	-	18.394794	Sqm
i)	BRM129 : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753	1	18.394794	1 Sqm.
ii)	BRM340 : Cement	0.1375	2.529284175	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.27592191	1 Cum
6	miscellaneous(ARM12 2) :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M 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 (Painting) and as directed by Engineer-in-Charge.	-	124.954535	Sqm
i)	BRMM122 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	124.954535	Sqm

7	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.	-	2.961370944	Cum
8	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.	-	54.255352	Sqm
i)	BRM340 : Cement	0.0358	1.9423416016	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.81383028	1 Cum
9	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.	-	2.427316096	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	2.427316096	1 Cum
ii)	BRM340 : Cement	0.672	1.631156416512	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.67964850688	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	849.5606336	1000 Nos
10	Painting(AR0920b) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new 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)	-	62.430816	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	7.803852	1 Litre
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	5.244188544	1 Ltr

11	Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - 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, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	70.327571	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	8.790946375	1 Ltr
12	Dismantling (AR1613) :.Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	39.576678	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM132	16.455443875	1 Sqm.	710.9248337	11698.583700294
2	BRM174	0.12506137345	1Qntl	2062.18	257.89906310112
3	BRM340	11.419659347137	1 Qntl.	599.16	6842.2030944306
4	BRM028	2.437878374755	1 Cum	1110.91	2708.2634652991
5	BRM056	0.46828908	1 Cum.	2075.67	972.0135946836
6	BRM134	6.8283705	1 Sqm.	254.75	1739.527384875
7	BRMMR0027	6.8283705	1 Sqm	8.5	58.04114925
8	BRM129	18.394794	1 Sqm.	420.3648337	7732.5245207558
9	BRMM122	124.954535	Sqm	5.12	639.7672192
10	BRMMR0025	2.427316096	1 Cum	33	80.101431168
11	BRM005	849.5606336	1000 Nos	6.59565	5603.4045930038
12	BRM140	7.803852	1 Litre	243.45	1899.8477694
13	BRM253	5.244188544	1 Ltr	159.48	836.34318899712
14	BRM255	8.790946375	1 Ltr	195.24	1716.344370255
Total: 42784.864544713					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.437878374755	1 Cum	50.25	122.50338833144
2	BRM056	0.46828908	1 Cum.	424.5	198.78871446
Total: 321.29210279144					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 38830	Rs. 38830
2	Provision for Contingency @ Rs. 1500	Rs. 1500
3	Display Citizen Board @ Rs. 3000	Rs. 3000
4	Any Other Lumpsum @ Rs. 12221.59	Rs. 12221.59
Total Addition Component Amount (in Rs.): 55551.59		

Total Net Amount (in Rs.): 149999.99353643