

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Khaira	Gram Panchayat	Nayakhandi

Work Code	OD/346/3304/116224/393493/00063513 (Repair and maintenance of Kadamian Pry)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Khaira	Proposal Date	23-12-2024
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.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	ChallanNo8443/70
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<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	31.401214	182.7373461348	5738.1745117709
2	<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>	Sqm	26.94187	259.565238658	6993.1729164428

3	<p style="text-align: center;">Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	4.30236397824	6688.45348574	28776.161347182
4	<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	4.89579349248	1661.251232	8133.142971

5	<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	2.283466752	8255.14040138	18850.338639643
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6	<p style="text-align: center;">Masonry</p> <p>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	4.47195046176	5862.919016332	26218.683402347
7	<p style="text-align: center;">Painting</p> <p>(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>	Sqm	50.63027694	71.83248932951	3636.8988280427

8	<p style="text-align: center;">Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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	69.770153	78.835517175	5500.3660951339
9	<p style="text-align: center;">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.</p>	Sqm	79.432065	57.0910986525	4534.8638590868
10	<p style="text-align: center;">Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.</p>	Sqm	64.58709463	389.4430371348	25152.99429242

11	Dismantling (AR1616) : Dismantling G.C.I. or A.C. sheet roofing - Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of the materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	51.09665	90.519892473118	4625.2632637365
12	Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	Sqm	51.09665	191.9	9805.447135
Total Amount (in Rs.): 147965.50726181					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<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>	-	31.401214	Sqm
i	Un-Skilled	0.12	3.76814568	-
ii	Skilled	0.14	4.39616996	-
2	<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>	-	26.94187	Sqm
i	Un-Skilled	0.24	6.4660488	-
ii	Skilled	0.16	4.3106992	-

3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	4.30236397824	Cum
	i Un-Skilled	3.9	16.779219515136	-
	ii Skilled	0.18	0.7744255160832	-
4	<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>	-	4.89579349248	Cum
	i Un-Skilled	0.1236	0.60512007567053	-

5	<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 specifaion and direction of Engineer-in charge.</p>	-	2.283466752	Cum
i	Un-Skilled	4.6	10.5039470592	-
ii	Skilled	0.68	1.55275739136	-
6	<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>	-	4.47195046176	Cum
i	Un-Skilled	2.96	13.23697336681	-

	ii	Skilled	1.05	4.695547984848	-
	iii	Highly-Skilled	0.35	1.565182661616	-
7		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.	-	50.63027694	Sqm
	i	Highly-Skilled	0.053763440860215	2.7220579	-
	ii	Un-Skilled	0.053763440860215	2.7220579	-
8		Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	69.770153	Sqm
	i	Highly-Skilled	0.052	3.628047956	-

	ii	Un-Skilled	0.062	4.325749486	-
9		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.	-	79.432065	Sqm
	i	Un-Skilled	0.043	3.415578795	-
	ii	Highly-Skilled	0.036	2.85955434	-
10		Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	64.58709463	Sqm
	i	Un-Skilled	0.36	23.2513540668	-
	ii	Highly-Skilled	0.13	8.3963223019	-

11	Dismantling (AR1616) : Dismantling G.C.I. or A.C. sheet roofing - Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of the materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	51.09665	Sqm
i	Un-Skilled	0.16129032258065	8.2413951612903	-
ii	Skilled	0.026881720430108	1.3735658602151	-
12	Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	-	51.09665	Sqm
i	Un-Skilled	0.21505376344086	10.98852688172	-
ii	Skilled	0.16129032258065	8.2413951612903	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	104.30411678763	462	48188.501955884
2	Skilled	25.344561073797	562	14243.643323474
3	Highly-Skilled	19.171165159516	612	11732.753077624
Total: 74164.898356981				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	31.401214	Sqm
i)	BRM340 : Cement	0.0358	1.1241634612	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.47101821	1 Cum
2	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.	-	26.94187	Sqm
i)	BRM340 : Cement	0.043	1.15850041	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.48495366	1 Cum

3	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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>	-	4.30236397824	Cum
i)	BRM340 : Cement	2.29	9.8524135101696	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.0651347095552	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	4.1302694191104	1 Cum.
4	<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>	-	4.89579349248	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.89579349248	1 Cum

5	<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 specifaion and direction of Engineer-in charge.</p>	-	2.283466752	Cum
i)	BRM340 : Cement	3.23	7.37559760896	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.0275600384	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	2.0551200768	1 Cum.
6	<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>	-	4.47195046176	Cum
i)	BRM340 : Cement	0.672	3.0051507103027	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.2521461292928	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 \pm 2 %	350	1565.182661616	1000 Nos
7	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.	-	50.63027694	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	4.25294326296	1 Ltr
8	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	69.770153	Sqm
i)	BRM142 : Distemper	0.25	17.44253825	1 Kg.

9	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.	-	79.432065	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	5.957404875	1 Ltr
10	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	64.58709463	Sqm
i)	BRM340 : Cement	0.0858	5.541572719254	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.77504513556	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	1.48550317649	1 Cum.
11	Dismantling (AR1616) :.Dismantling G.C.I. or A.C. sheet roofing - Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of he materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	51.09665	Sqm

12	Roofing (AR1132a) :.Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	-	51.09665	Sqm
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	28.057398419886	1 Qntl.	546.307	15327.953158573
2	BRM028	6.075857882808	1 Cum	1150.39	6989.6061498035
3	BRM045	4.1302694191104	1 Cum.	1466.99	6059.0639351408
4	BRM029	4.89579349248	1 Cum	1145.45	5607.8866559612
5	BRM056	2.0551200768	1 Cum.	2076.25	4266.943059456
6	BRM005	1565.182661616	1000 Nos	7.876885	12328.763829543
7	BRM253	4.25294326296	1 Ltr	159.27787	677.39974415512
8	BRM142	17.44253825	1 Kg.	70.34787	1227.045413281
9	BRM255	5.957404875	1 Ltr	195.03787	1161.9195575476
10	BRM057	1.48550317649	1 Cum.	1729.63	2569.3708591524
Total: 56215.952362614					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	6.075857882808	1 Cum	442.25	2687.0481486718
2	BRM045	4.1302694191104	1 Cum.	1125.5	4648.6182312088
3	BRM029	4.89579349248	1 Cum	442.25	2165.1646720493
4	BRM056	2.0551200768	1 Cum.	1125.5	2313.0376464384
5	BRM057	1.48550317649	1 Cum.	1125.5	1671.9338251395
Total: 13485.802523508					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 0.5%	Rs. 739.82753630905
2	Display Citizen Board @ Rs. 1294.66	Rs. 1294.66

Total Addition Component Amount (in Rs.): 2034.4875363091

Total Net Amount (in Rs.): 149999.99479811