

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Kendujhar Sadar	Gram Panchayat	Raikala

Work Code	OD/361/3452/119469/385959/00014800 (Repair & Maintenance of Jagabalia UPME school, Baneikala)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kendujhar Sadar	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	Ratikanta Lenka		

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	20855
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	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	32.10356068	49.088172043011	1575.9051098531
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2	<p>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) -</p> <p>'Reinforced cement concrete (1:1.5:3) work with 12mm size black hard crusher broken granite 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. (To be used for minor repair work only)</p>	Cum	0.3333050464768	8662.41094096	2887.2252812778
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3	<p style="text-align: center;">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>	Qntl	1.295	16266.109811087	21064.612205358
4	<p style="text-align: center;">Painting (AR0903k) : Painting two coats of enamel paint in inner surface paint (Inner surface)(For repair and maintenance). -</p> <p>Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)</p>	Sqm	30.971537625	166.99317181331	5172.035303934

5	<p style="text-align: center;">Painting (AR0901di) :</p> <p>Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) -</p> <p>Priming one coat with outer 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	204.00105255	72.855030353548	14862.502875686
6	<p style="text-align: center;">Painting (AR0918cb) :</p> <p>Finishing wall two coats with weather coat with one coat waterbound Primer -</p> <p>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	220.9389231234	160.72822700355	35511.121389698

7	<p style="text-align: center;">Painting (AR0922k) :</p> <p>Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance). -</p> <p>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)(For Repair and maintenance)</p>	Sqm	453.17061467	80.0719819	36286.269255468
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8	<p style="text-align: center;">Masonry Brick Work (AR0603b) :</p> <p>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>	Cum	3.572447488	5364.357624528	19163.885920479
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9	Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	Sqm	16.99753288	179.5129054192	3051.2765122472
Total Amount (in Rs.): 139574.833854					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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.	-	32.10356068	Sqm

	i	Un-Skilled	0.10752688172043	3.451995772043	-
2		<p>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) - Reinforced cement concrete (1:1.5:3) work with 12mm size black hard crusher broken granite 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. (To be used for minor repair work only)</p>	-	0.3333050464768	Cum
	i	Un-Skilled	4.6	1.5332032137933	-
	ii	Skilled	0.68	0.22664743160422	-

3	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.	-	1.295	Qntl
i	Un-Skilled	6.3976377952756	8.2849409448819	-
ii	Semi-Skilled	1.9685039370079	2.5492125984252	-
iii	Skilled	3.9370078740157	5.0984251968504	-
iv	Highly-Skilled	3.4448818897638	4.4611220472441	-
4	Painting (AR0903k) : Painting two coats of enamel paint in inner surface paint (Inner surface)(For repair and maintenance). - Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)	-	30.971537625	Sqm

	i	Highly-Skilled	0.13709677419355	4.2460979002016	-
	ii	Un-Skilled	0.12064516129032	3.7365661521774	-
5		Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer 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.	-	204.00105255	Sqm
	i	Highly-Skilled	0.053763440860215	10.967798524194	-
	ii	Un-Skilled	0.053763440860215	10.967798524194	-

6	<p>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>	-	220.9389231234	Sqm
i	Un-Skilled	0.11776344086022	26.018527806962	-
ii	Highly-Skilled	0.10776344086022	23.809138575728	-
7	<p>Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance). - 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)(For Repair and maintenance)</p>	-	453.17061467	Sqm
i	Highly-Skilled	0.05304	24.036169402097	-

	ii	Un-Skilled	0.06324	28.658509671731	-
8		<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>	-	3.572447488	Cum
	i	Un-Skilled	2.96	10.57444456448	-
	ii	Skilled	1.05	3.7510698624	-
	iii	Highly-Skilled	0.35	1.2503566208	-

9	Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	16.99753288	Sqm
i	Un-Skilled	0.12	2.0397039456	-
ii	Skilled	0.14	2.3796546032	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	95.265690595862	452	43060.09214933
4	Skilled	11.455797094055	562	6438.1579668587
3	Semi-Skilled	2.5492125984252	512	1305.1968503937
5	Highly-Skilled	68.770683070264	612	42087.658039002
Total: 92891.105005584				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	32.10356068	Sqm
2	R.C.C. Work (AR0402) :.Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) - 'Reinforced cement concrete (1:1.5:3) work with 12mm size black hard crusher broken granite 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. (To be used for minor repair work only)	-	0.3333050464768	Cum
i)	BRM340 : Cement	4.29	1.4298786493855	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.14998727091456	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	0.29997454182912	1 Cum.
3	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.	-	1.295	Qntl
i)	BRM341 : Steel	1	1.295	1 Qntl.
4	Painting(AR0903k) :.Painting two coats of enamel paint in inner surface paint (Inner surface)(For repair and maintenance). - Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)	-	30.971537625	Sqm
i)	BRM141 : Enamel paint	0.125	3.871442203125	1 Litre

5	Painting(AR0901di) :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer 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.	-	204.00105255	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	18.425901520645	1 Ltr
6	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)	-	220.9389231234	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	27.617365390425	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	19.955773701468	1 Ltr

7	Painting(AR0922k) :.Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance). - 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)(For Repair and maintenance)	-	453.17061467	Sqm
i)	BRM142 : Distemper	0.25	113.2926536675	1 Kg.
8	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/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.	-	3.572447488	Cum
i)	BRM340 : Cement	0.672	2.400684711936	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.00028529664	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./Cm2 with dimensional tolerance $\pm 2\%$	350	1250.3566208	1000 Nos
9	Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	16.99753288	Sqm
i)	BRM340 : Cement	0.0358	0.608511677104	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2549629932	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	4.4390750384255	1 Qntl.	572.412	2540.9798208952
2	BRM028	1.4052355607546	1 Cum	1129.31	1586.9465711157
3	BRM056	0.2999745418291 2	1 Cum.	2277.91	683.31500857797
4	BRM341	1.295	1 Qntl.	6631.417	8587.685015
5	BRM141	3.871442203125	1 Litre	205.58787	795.92155636858
6	BRM253	38.381675222114	1 Ltr	159.33732	6115.633267002
7	BRM255	27.617365390425	1 Ltr	195.09732	5388.0739731327
8	BRM142	113.2926536675	1 Kg.	70.40732	7976.6321204168
9	BRM005	1250.3566208	1000 Nos	6.59565	8246.9146459795

Total: 41922.101978488

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.4052355607546	1 Cum	50.25	70.613086927917
2	BRM056	0.2999745418291 2	1 Cum.	424.5	127.33919300646
3	BRM005	1250.3566208	1000 Nos	0.04025	50.3268539872
Total: 248.27913392158					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 8425.16	Rs. 8425.16
2	Provision for Contingency @ Rs. 1500	Rs. 1500
3	Display Citizen Board @ Rs. 500	Rs. 500
Total Addition Component Amount (in Rs.): 10425.16		

Total Net Amount (in Rs.): 149999.993854