

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Polosara	Gram Panchayat	Madhupalli

Work Code	OD/354/3380/117915/411583/00017578 (Repair and Maintenance of Primary School of Hirapalli PS)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Polosara	Proposal Date	03-12-2024
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.	11572
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	77.226	169.6523533912	13101.572642989
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	71.614	243.868009952	17464.363664703

3	<p style="text-align: center;">Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in- charge.</p>	Sqm	36.53746	363.2964617912	13273.929940837
4	<p style="text-align: center;">Other Building Items. (AR1902) : cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,e tc.complete. and as per the direction of Engineer in Charge.</p>	Sqm	108.14	79.21834	8566.6712876

5	<p style="text-align: center;">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.</p>	Sqm	185.32	71.83753306751	13312.931628071
6	<p style="text-align: center;">Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint 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	108.14	94.76013415	10247.360906981

7	<p align="center">Painting (AR0918h) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside). - Finishing wall with two coats weather coat paint of approved shade including one coat of water 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)</p>	Sqm	77.18	160.72822700355	12405.004560134
8	<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	49.6407	230.35420628603	11434.944047983
Total Amount (in Rs.): 99806.778679298					

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>	-	77.226	Sqm
i	Un-Skilled	0.12	9.26712	-
ii	Skilled	0.14	10.81164	-
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>	-	71.614	Sqm
i	Un-Skilled	0.24	17.18736	-
ii	Skilled	0.16	11.45824	-

3	<p>Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.</p>	-	36.53746	Sqm
i	Un-Skilled	0.36	13.1534856	-
ii	Highly-Skilled	0.13	4.7498698	-
4	<p>Other Building Items. (AR1902) : cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	108.14	Sqm
i	Un-Skilled	0.057	6.16398	-
ii	Skilled	0.05	5.407	-

5	<p>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.</p>	-	185.32	Sqm
i	Highly-Skilled	0.053763440860215	9.9634408602151	-
ii	Un-Skilled	0.053763440860215	9.9634408602151	-
6	<p>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint 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>	-	108.14	Sqm
i	Highly-Skilled	0.054	5.83956	-
ii	Un-Skilled	0.064	6.92096	-

7	<p>Painting (AR0918h) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside). - Finishing wall with two coats weather coat paint of approved shade including one coat of water 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)</p>	-	77.18	Sqm
i	Un-Skilled	0.11776344086022	9.0889823655914	-
ii	Highly-Skilled	0.10776344086022	8.3171823655914	-
8	<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>	-	49.6407	Sqm
i	Highly-Skilled	0.18817204301075	9.3409919354839	-
ii	Un-Skilled	0.17204301075269	8.540335483871	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	80.285664309677	462	37091.976911071
2	Skilled	27.67688	562	15554.40656
3	Highly-Skilled	38.21104496129	612	23385.15951631
				Total: 76031.542987381

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	77.226	Sqm
i)	BRM340 : Cement	0.0358	2.7646908	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.15839	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.	-	71.614	Sqm
i)	BRM340 : Cement	0.043	3.079402	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.289052	1 Cum
3	Flooring (AR0802i) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	36.53746	Sqm
i)	BRM340 : Cement	0.0858	3.134914068	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.43844952	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)	0.023	0.84036158	1 Cum.
4	Other Building Items. (AR1902) :.cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.	-	108.14	Sqm
i)	BRMMR0038 : Cement based putty	0.8	86.512	kg

5	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.	-	185.32	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	15.56688	1 Ltr
6	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint 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)	-	108.14	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	13.5175	1 Litre

7	Painting(AR0918h) :.Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside). - Finishing wall with two coats weather coat paint of approved shade including one coat of water 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)	-	77.18	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	9.6475	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	6.9710967741935	1 Ltr
8	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.	-	49.6407	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.6805978	1 Litre
ii)	BRM141 : Enamel paint	0.125	6.2050875	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	8.979006868	1 Qntl.	598.962	5378.083911671
2	BRM028	2.88589152	1 Cum	407.34	1175.5390517568
3	BRM056	0.84036158	1 Cum.	1737.73	1460.3215284134
4	BRMMR0038	86.512	kg	30	2595.36
5	BRM253	22.537976774194	1 Ltr	159.33732	3591.1408174222

6	BRM140	13.5175	1 Litre	249.64732	3374.6076481
7	BRM255	9.6475	1 Ltr	195.09732	1882.2013947
8	BRM137	2.6805978	1 Litre	143.00732	383.3451073759
9	BRM141	6.2050875	1 Litre	205.64732	1276.0596147405
Total: 21116.65907418					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.88589152	1 Cum	40.25	116.15713368
2	BRM056	0.84036158	1 Cum.	149.5	125.63405621
Total: 241.79118989					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 36000	Rs. 36000
2	Provision for Contingency @ Rs. 748.2	Rs. 748.2
3	Display Citizen Board @ Rs. 500	Rs. 500
4	Any Other Lumpsum @ Rs. 12945	Rs. 12945
Total Addition Component Amount (in Rs.): 50193.2		

Total Net Amount (in Rs.): 149999.9786793