

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Nayagarh	<b>Block</b>	Nayagarh	<b>Gram Panchayat</b>	Saranakul
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<b>Work Code</b>	OD/367/3527/120679/406294/00017153 (Maintenance of Old Bijipur Primary School)		
<b>Project Category</b>	Building		

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Nayagarh	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Primary School Building
<b>Project Sub-Category</b>	Elementary School	<b>Project Type</b>	Repair and Maintenance
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	200000

**ACTIVITY STATEMENT**

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p><b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b></p>	Sqm	110.33	247.84224461	27344.434847821
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2	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b>  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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	85.09	172.965007426	14717.592481878
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3	<p><b>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b>  - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	46.86	191.862628384	8990.6827660742
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4	<b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	Sqm	60.435	273.326479568	16518.485792692
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5	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	4.686	5171.4398043	24233.36692295
6	<p><b>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 &amp; royalty of materials as per direction of Engineer-in-charge.</b></p>	Sqm	46.86	357.003480526	16729.183097448

7	<p style="text-align: center;"><b>Iron Work (AR1704) : Iron Doors and windows fixing -</b>  Supplying, fitting &amp; fixing of Mild steel and put up for frames &amp; shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T &amp; P required for the work etc. as per direction of Engineer-in-charge.</p>	Qntl	3.276	16248.316237087	53229.483992697
8	<p style="text-align: center;"><b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b>  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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	242.28	71.83248932951	17403.575514754

9	<p style="text-align: center;"><b>Painting (AR0918f) :</b>  <b>Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b>  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	85.09	87.8656910875	7476.4916546354
10	<p style="text-align: center;"><b>Painting (AR0920) :</b>  <b>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>  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	120	94.7400035875	11368.8004305
<b>Total Amount (in Rs.): 198012.09750145</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	110.33	Sqm
i	Un-Skilled	0.24	26.4792	-
ii	Skilled	0.16	17.6528	-

2	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b>  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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	85.09	Sqm
i	Un-Skilled	0.12	10.2108	-
ii	Skilled	0.14	11.9126	-
3	<p><b>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) -</b>  6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	46.86	Sqm

	i	Un-Skilled	0.17	7.9662	-
	ii	Skilled	0.14	6.5604	-
4		<b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.</b> - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	60.435	Sqm
	i	Un-Skilled	0.24	14.5044	-
	ii	Skilled	0.16	9.6696	-

5	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	4.686	Cum
i	Un-Skilled	3.9	18.2754	-
ii	Skilled	0.18	0.84348	-
6	<p><b>Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips -</b> 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 &amp; royalty of materials as per direction of Engineer-in-charge.</p>	-	46.86	Sqm
i	Un-Skilled	0.36	16.8696	-

	ii	Highly-Skilled	0.13	6.0918	-
7		<b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> 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.	-	3.276	Qntl
	i	Un-Skilled	6.3976377952756	20.958661417323	-
	ii	Semi-Skilled	1.9685039370079	6.4488188976378	-
	iii	Skilled	3.9370078740157	12.897637795276	-
	iv	Highly-Skilled	3.4448818897638	11.285433070866	-

8	<p><b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b>  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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	242.28	Sqm
i	Highly-Skilled	0.053763440860215	13.025806451613	-
ii	Un-Skilled	0.053763440860215	13.025806451613	-
9	<p><b>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b>  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>	-	85.09	Sqm

	i	Un-Skilled	0.064	5.44576	-
	ii	Highly-Skilled	0.054	4.59486	-
10		<b>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b> 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)	-	120	Sqm
	i	Highly-Skilled	0.054	6.48	-
	ii	Un-Skilled	0.064	7.68	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	141.41582786894	462	65334.112475448
4	Skilled	59.536517795276	562	33459.523000945
5	Highly-Skilled	41.477899522479	612	25384.474507757
3	Semi-Skilled	6.4488188976378	512	3301.7952755906

**MATERIAL STATEMENT**

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	<b>110.33</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.043	4.74419	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	1.98594	1 Cum
2	<b>Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside</b> - 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.	-	<b>85.09</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	3.046222	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.27635	1 Cum
3	<b>Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b> - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	<b>46.86</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	1.743192	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.35145	1 Cum
4	<b>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over brick work in inside.</b> - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	<b>60.435</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0744	4.496364	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.269135	1 Cum

5	<b>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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.	-	<b>4.686</b>	Cum
i)	<b>BRM340 : Cement</b>	2.29	10.73094	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	2.24928	1 Cum
iii)	<b>BRM045 : Granite Stone broken metal 40mm. size (Hand broken)</b>	0.96	4.49856	1 Cum.
6	<b>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</b> including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	<b>46.86</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0858	4.020588	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.012	0.56232	1 Cum

iii)	<b>BRM057</b> : 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	1.07778	1 Cum.
7	<b>Iron Work(AR1704)</b> <b>:.Iron Doors and windows fixing -</b> 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.	-	3.276	Qntl
i)	<b>BRM341</b> : Steel	1	3.276	1 Qntl.
8	<b>Painting(AR0901d)</b> <b>:.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> 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.	-	242.28	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	20.35152	1 Ltr

9	<b>Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b> 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)	-	85.09	Sqm
i)	<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	10.63625	1 Ltr
10	<b>Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b> 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)	-	120	Sqm
i)	<b>BRM140 : Plastic Emulsion paint</b>	0.125	15	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	28.781496	1 Qntl.	579.287	16672.746473352
2	<b>BRM028</b>	7.694475	1 Cum	417.13	3209.59635675
3	<b>BRM045</b>	4.49856	1 Cum.	1038.44	4671.4846464
4	<b>BRM057</b>	1.07778	1 Cum.	1361.2	1467.074136
5	<b>BRM341</b>	3.276	1 Qntl.	6616.487	21675.611412
6	<b>BRM253</b>	20.35152	1 Ltr	159.27787	3241.5467568624

7	<b>BRM255</b>	10.63625	1 Ltr	195.03787	2074.4715447875
8	<b>BRM140</b>	15	1 Litre	249.48787	3742.31805
					<b>Total: 56754.849376152</b>

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	7.694475	1 Cum	305.25	2348.73849375
2	<b>BRM045</b>	4.49856	1 Cum.	199.5	897.46272
3	<b>BRM057</b>	1.07778	1 Cum.	199.5	215.01711
					<b>Total: 3461.21832375</b>

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1987	Rs. 1987
		<b>Total Addition Component Amount (in Rs.): 1987</b>

**Total Net Amount (in Rs.): 199999.09750145**