

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Muniguda	Gram Panchayat	Saradhapur

Work Code	OD/370/3554/121221/424749/00056749 (REPAIR AND MAINTANCE OF SARADHAPUR HIGH SCHOOL)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Muniguda	Proposal Date	-
Date of Commencement	11-11-2025	Date of Completion	-
Scheme Name	Construction of Additional Class Room in Secondary Schools	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Secondary School	Project Type	Repair and Maintenance
Name of Executant	Sanjam Kumar Nayak		

Administrative Approval Details

Approval No.	OD/370/3554/121221/424749/00056749/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3554/121221/424749/00056749/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	120000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Dismantling (AR1621) : Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	90.25	77.77	8489.1721489152

2	<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>	Sqm	216	71.83753306751	8489.1721489152
3	<p>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	216	78.8252783	8489.1721489152

4	<p>Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	6.4	164.23523221452	8489.1721489152
5	<p>Plastering (AR1004) : First Floor - 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	6	172.0949444208	8489.1721489152

6	<p>Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)</p>	Sqm	90.25	723.3488131572	8489.1721489152
7	<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	24	100.34838709677	8489.1721489152

8	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.	Sqm	24	353.7155062048	8489.1721489152
Total Amount (in Rs.): 117825.34873475					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Dismantling (AR1621) : Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	90.25	Sqm
i	Un-Skilled	0.166666666666667	15.0416666666667	-

2	<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>	-	216	Sqm
i	Highly-Skilled	0.053763440860215	11.612903225806	-
ii	Un-Skilled	0.053763440860215	11.612903225806	-
3	<p>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>	-	216	Sqm
i	Highly-Skilled	0.052	11.232	-
ii	Un-Skilled	0.062	13.392	-

4	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	6.4	Sqm
i	Highly-Skilled	0.13440860215054	0.86021505376344	-
ii	Un-Skilled	0.11827956989247	0.75698924731183	-
5	Plastering (AR1004) : First Floor - 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.	-	6	Sqm
i	Un-Skilled	0.1236	0.7416	-
ii	Skilled	0.1442	0.8652	-

6	<p>Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in-charge. (Old Work)</p>	-	90.25	Sqm
i	Un-Skilled	1.008	90.972	-
ii	Highly-Skilled	0.165	14.89125	-
7	<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>	-	24	Sqm
i	Un-Skilled	0.21505376344086	5.1612903225806	-

8	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.	-	24	Sqm
i	Un-Skilled	0.36	8.64	-
ii	Highly-Skilled	0.13	3.12	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	146.31844946237	462	67599.123651613
1	Highly-Skilled	41.71636827957	612	25530.417387097
2	Skilled	0.8652	562	486.2424
Total: 93615.78343871				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1621) ∴.Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	90.25	Sqm

2	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.	-	216	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	18.144	1 Ltr
3	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)	-	216	Sqm
i)	BRM142 : Distemper	0.25	54	1 Kg.
4	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	6.4	Sqm
i)	BRM141 : Enamel paint	0.125	0.8	1 Litre

5	Plastering (AR1004) :.First Floor - 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.	-	6	Sqm
i)	BRM340 : Cement	0.0358	0.2148	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.09	1 Cum
6	Concrete (AR0318) :.4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)	-	90.25	Sqm
i)	BRM340 : Cement	0.1287	11.615175	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.6245	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1.6245	1 Cum.

iv)	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)	0.018	1.6245	1 Cum.
7	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.	-	24	Sqm
8	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.	-	24	Sqm
i)	BRM340 : Cement	0.0858	2.0592	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.288	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	0.552	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM253	18.144	1 Ltr	159.33732	2891.01633408
2	BRM142	54	1 Kg.	70.30732	3796.59528
3	BRM141	0.8	1 Litre	205.64732	164.517856
4	BRM340	13.889175	1 Qntl.	543.752	7552.2666846
5	BRM028	2.0025	1 Cum	417.99	837.024975

6	BRM064	1.6245	1 Cum.	1191.31	1935.283095
7	BRM056	2.1765	1 Cum.	1737.73	3782.169345
Total: 20958.87356968					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1621) :.Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	90.25	Sqm
2	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.	-	216	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	18.144	1 Ltr
3	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)	-	216	Sqm
i)	BRM142 : Distemper	0.25	54	1 Kg.

4	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	6.4	Sqm
i)	BRM141 : Enamel paint	0.125	0.8	1 Litre
5	Plastering (AR1004) :.First Floor - 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.	-	6	Sqm
i)	BRM340 : Cement	0.0358	0.2148	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.09	1 Cum
6	Concrete (AR0318) :.4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (Old Work)	-	90.25	Sqm
i)	BRM340 : Cement	0.1287	11.615175	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.6245	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1.6245	1 Cum.
iv)	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)	0.018	1.6245	1 Cum.
7	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.	-	24	Sqm
8	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.	-	24	Sqm
i)	BRM340 : Cement	0.0858	2.0592	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.288	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	0.552	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.0025	1 Cum	91.25	182.728125
2	BRM064	1.6245	1 Cum.	159.9	259.75755
3	BRM056	2.1765	1 Cum.	159.9	348.02235
Total: 790.508025					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1178.2534873475
2	Display Citizen Board @ Rs. 800	Rs. 800
Total Addition Component Amount (in Rs.): 1978.2534873475		

Total Net Amount (in Rs.): 119803.6022221