

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Raikia	Gram Panchayat	Sugudabadi

Work Code	OD/359/3431/118997/417569/00047992 (MAINTENACE OF MURUDIPANGA UP SCHOOL , SUGUDABADI)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Raikia	Proposal Date	-
Date of Commencement	24-03-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant	SANTOSH KUMAR SETHY		

Administrative Approval Details

Approval No.	OD/359/3431/118997/417569/00047992/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/359/3431/118997/417569/00047992/TS
Fund Sanction No.	34989
Fund Sanction Amount (in Rs.)	366878

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge	-	2.548512	Cum

2	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.	-	7.0068455224989	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.0068455224989	1 Cum
3	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.	-	7.9511329312989	Cum
i)	BRM340 : Cement	2.29	18.208094412674	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.8165438070235	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	7.6330876140469	1 Cum.
4	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.	-	77.566980511267	Sqm

5	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.	-	15	Sqm
6	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.	-	200	Sqm
7	Flooring (AR0817ad) :.Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	77.566980511267	Sqm
i)	BRM340 : Cement	0.1375	10.665459820299	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.163504707669	1 Cum

8	<p>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm 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>	-	1.5573107328	Cum
i)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	622.92429312	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	1.0465128124416	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	0.436047005184	1 Cum
9	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure 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>	-	3.079452	Cum

i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	400	1231.7808	1000 Nos
ii)	BRM340 : Cement	0.672	2.069391744	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.86224656	1 Cum
10	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.	-	100	Sqm
i)	BRM340 : Cement	0.0358	3.58	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.5	1 Cum
11	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.	-	118.75	Sqm
i)	BRM340 : Cement	0.043	5.10625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.1375	1 Cum

12	Plastering (AR1041) :.Finishing wall cement washing one coat on the inner surface - Finishing wall cement washing one coat on the inner surface of on new work including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.	-	118.75	Sqm
i)	BRM340 : Cement	0.010763440860215	1.2781586021505	1 Qntl.
13	Plastering (AR1041i) :.Finishing wall cement washing one coat on the outer surface of on new work - Finishing wall cement washing one coat on the outer surface of on new work including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.	-	100	Sqm
i)	BRM340 : Cement	0.010763440860215	1.0763440860215	1 Qntl.
14	Painting(AR0922a) :.Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	118.75	Sqm
i)	BRM142 : Distemper	0.25	29.6875	1 Kg.
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.975	1 Ltr

15	Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound 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)	-	160	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	20	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	13.44	1 Ltr
16	miscellaneous(ARM209) :.Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all r - Labour for fitting and fixing in position steel cutting edge as per approved design using M.S. angle plates, bolts and nuts complete including cutting angles to required size, bending to shape, drilling holes, reverting and welding, etc. complete in all respect but excluding cost of angles and plates. (Well Sinking)	-	1.96875	Qntl

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.0068455224989	1 Cum	40.25	282.02553228058
2	BRM028	9.9158420798765	1 Cum	40.25	399.11264371503
3	BRM045	7.6330876140469	1 Cum.	149.5	1141.1465983

Total: 1822.2847742956