

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Chakapad	Gram Panchayat	Arabaka

Work Code	OD/359/3423/118880/415906/00037123 (RENOVATION OF PRIMARY SCHOOL AT RAJIKAKHOLE)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Chakapad	Proposal Date	-
Date of Commencement	-	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	Renovation or Rejuvenation
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/359/3423/118880/415906/00037123/TS
Fund Sanction No.	34989
Fund Sanction Amount (in Rs.)	216878

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	65.811091655	Sqm

2	<p>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.</p>	-	80.7004232075	Sqm
3	<p>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.</p>	-	5.014799092	Cum
i)	BRM340 : Cement	2.29	11.48388992068	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.40710356416	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	4.81420712832	1 Cum.
4	<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>	-	66.650005745	Sqm
i)	BRM340 : Cement	0.0858	5.718570492921	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.79980006894	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	1.532950132135	1 Cum.
5	Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure 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.	-	0.44984634816	Cum
i)	BRM340 : Cement	0.672	0.30229674596352	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.1259569774848	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./Cm ² with dimensional tolerance ± 2 %	350	157.446221856	1000 Nos
6	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.	-	34.1610276792	Sqm

i)	BRM340 : Cement	0.0358	1.2229647909154	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.512415415188	1 Cum
7	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.	-	40.7729063183	Sqm
i)	BRM340 : Cement	0.043	1.7532349716869	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.7339123137294	1 Cum
8	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.	-	1.695966607	Qntl
i)	BRM341 : Steel	1	1.695966607	1 Qntl.

9	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)	-	68.4191389934	Sqm
i)	BRM340 : Cement	0.1208	8.2650319904027	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.1562834489885	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.	0.0169	1.1562834489885	1 Cum.
10	Dismantling (AR1624) :.Dismantling and removing R.C.C. columns beams slab staircase landing lintels - Dismantling and removing R.C.C. columns beams slab staircase landing lintels including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	0.131779308	Cum
11	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.	-	68.4191389934	Sqm

12	<p>Dismantling (AR1618) :.Dismantling and removing doors, windows and ventilators - Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.</p>	-	1.8745781534	Sqm
13	<p>Plastering (AR1008) :.20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for 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.</p>	-	5.27503234	Sqm
i)	BRM340 : Cement	0.057	0.30067684338	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.11077567914	1 Cum
14	<p>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.</p>	-	138.3916904692	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	12.499894623025	1 Ltr

15	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.	-	239.9736608583	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	20.157787512097	1 Ltr
16	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)	-	138.3916904692	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	17.29896130865	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	11.624901999413	1 Ltr
17	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)	-	239.9736608583	Sqm
i)	BRM142 : Distemper	0.25	59.993415214575	1 Kg.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	5.8462474676307	1 Cum	40.25	235.31146057213
2	BRM045	4.81420712832	1 Cum.	149.5	719.72396568384
3	BRM056	1.532950132135	1 Cum.	149.5	229.17604475418
4	BRM064	1.1562834489885	1 Cum.	149.5	172.86437562377
					Total: 1357.0758466339