

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Turekela	Gram Panchayat	Buromal

Work Code	OD/345/3297/116027/421208/00038032 (Repair & Maintenance of Primary School Kukudahad)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Turekela	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	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/345/3297/116027/421208/00038032/TS
Fund Sanction No.	34989
Fund Sanction Amount (in Rs.)	266878

MATERIAL STATEMENT

SI.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.	-	52.153421625	Sqm

2	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.	-	19.50963	Sqm
3	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.	-	62.430816	Sqm
4	Dismantling (AR1623) :.Dismantling and removing cement concrete - Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	5.245793388	Cum
5	Flooring (AR0816c) :.Fixing Kota Tiles of minimum 16 mm thick Up to 0.10 Sqm. in floor, treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Kota Tiles of minimum 16 mm thick Up to 0.10 Sqm. in floor, treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the kota tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.	-	52.153421625	Sqm
i)	BRM120 : Kota Tiles of minimum 16 mm thick (Up to 0.10 Sqm)	1	52.153421625	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	52.153421625	1 Sqm

iii)	BRM340 : Cement	0.2737	14.274391498762	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.677994481125	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)	-	62.430816	Sqm
i)	BRM340 : Cement	0.1287	8.0348460192	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.123754688	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	1.123754688	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	1.123754688	1 Cum.

7	<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>	-	177.630536	Sqm
i)	BRMMR0038 : Cement based putty	0.8	142.1044288	kg
8	<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>	-	19.50963	Sqm
i)	BRM340 : Cement	0.043	0.83891409	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.35117334	1 Cum
9	<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>	-	177.630536	Sqm

i)	BRM140 : Plastic Emulsion paint	0.125	22.203817	1 Litre
10	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.	-	177.630536	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	14.920965024	1 Ltr
11	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound 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)	-	289.950263	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	36.243782875	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	26.189056012903	1 Ltr
12	Painting(AR0901b) :.Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	79.0140015	Sqm

i)	BRM137 : Red oxide Primer	0.054	4.266756081	1 Litre
13	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)	-	79.0140015	Sqm
i)	BRM141 : Enamel paint	0.125	9.8767501875	1 Litre
14	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.	-	4.682784612	Cum
i)	BRM340 : Cement	2.29	10.72357676148	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.24773661376	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	4.49547322752	1 Cum.

15	Plastering (AR1027) :6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.	-	33.456692875	Sqm
i)	BRM340 : Cement	0.0372	1.24458897495	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.2509251965625	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM120	52.153421625	1 Sqm.	421.6011111	21987.940504767
2	BRMMR0027	52.153421625	1 Sqm	8.5	443.3040838125
3	BRM340	35.116317344392	1 Qntl.	528.967	18575.373036711
4	BRM028	4.6515843194475	1 Cum	782.55	3640.0973091836
5	BRM064	1.123754688	1 Cum.	1139.23	1280.2150532102
6	BRM056	1.123754688	1 Cum.	1685.65	1894.2570898272
7	BRMMR0038	142.1044288	kg	30	4263.132864
8	BRM140	22.203817	1 Litre	249.58787	5541.8033908998
9	BRM253	41.110021036903	1 Ltr	159.27787	6547.9165864131
10	BRM255	36.243782875	1 Ltr	195.03787	7068.9102126825
11	BRM137	4.266756081	1 Litre	142.94787	609.9236935885
12	BRM141	9.8767501875	1 Litre	205.58787	2030.5400335702
13	BRM045	4.49547322752	1 Cum.	1076.39	4838.8824273703
Total: 78722.296286036					