

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Kolnara	Gram Panchayat	Rekhapadar

Work Code	OD/370/3553/121205/426412/00079524 (Maintenance of P:rimary school , Pandratola)
Project Category	Building

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Kolnara	Proposal Date	-
Date of Commencement	24-02-2026	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	Babulu Hembram		

Administrative Approval Details

Approval No.	OD/370/3553/121205/426412/00079524/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3553/121205/426412/00079524/TS
Fund Sanction No.	328
Fund Sanction Amount (in Rs.)	185000

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.	-	59.765	Sqm

2	<p>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) 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.</p>	-	61.765	Sqm
i)	<p>BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	61.765	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	61.765	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	8.4926875	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.926475	1 Cum

3	<p>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	6.7	Sqm
i)	BRM174 : White Cement.	0.0076	0.05092	1Qntl
ii)	BRM340 : Cement	0.1074	0.71958	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.1407	1 Cum
iv)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	6.7	1 Sqm.
4	<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>	-	92.35	Sqm

5	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.	-	43.5	Sqm
i)	BRM340 : Cement	0.0358	1.5573	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.6525	1 Cum
6	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.	-	46.88	Sqm
i)	BRM340 : Cement	0.043	2.01584	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.84384	1 Cum

7	<p>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</p>	-	3.15625	Cum
8	<p>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.</p>	-	2.055	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.055	1 Cum
9	<p>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher 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>	-	5.05	Cum
i)	BRM340 : Cement	2.29	11.5645	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.424	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	4.848	1 Cum.
10	Concrete (AR0307) :Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section 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 specificaion and direction of Engineer-in charge.	-	1.68	Cum
i)	BRM340 : Cement	3.23	5.4264	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.756	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)	0.9	1.512	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM131	68.465	1 Sqm.	670.4994451	45905.744508772
2	BRMMR0027	61.765	1 Sqm	8.5	525.0025
3	BRM340	29.7763075	1 Qntl.	606.637	18063.409852878
4	BRM028	5.743515	1 Cum	678.39	3896.34314085
5	BRM174	0.05092	1Qntl	2077.637	105.79327604
6	BRM029	2.055	1 Cum	543.25	1116.37875
7	BRM044	4.848	1 Cum.	1421.31	6890.51088
8	BRM056	1.512	1 Cum.	1867.93	2824.31016

Total: 79327.493068539