

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kandhamal	<b>Block</b>	Phulbani	<b>Gram Panchayat</b>	Ganjuguda

<b>Work Code</b>	OD/359/3430/118981/415500/00013530 (Repair and Maintenance of Ganjuguda Primary School Building)
<b>Project Category</b>	Building

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Phulbani	<b>Proposal Date</b>	21-09-2021
<b>Date of Commencement</b>	17-07-2025	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Primary School Building
<b>Project Sub-Category</b>	Elementary School	<b>Project Type</b>	Repair and Maintenance
<b>Name of Executant</b>	UMESH CHANDRA SAHOO		

### Administrative Approval Details

<b>Approval No.</b>	OD/359/3430/118981/415500/00013530/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/359/3430/118981/415500/00013530/TS
<b>Fund Sanction No.</b>	13670
<b>Fund Sanction Amount (in Rs.)</b>	400000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Dismantling (AR1612)</b> .: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.	-	101.26427	Sqm

2	<p><b>Dismantling (AR1613)</b>  <b>:.Removing old lime or cement plaster -</b>  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>	-	70.234668	Sqm
3	<p><b>Other Building Items. (AR1901A)</b>  <b>:.Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin -</b>  Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)</p>	-	112.129740365	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.852186026774	1Qntl
ii)	<b>BRM256</b> : Adhesive (I.S.I.)	5.4	605.500597971	1 Kg
iii)	<b>BRM131</b> : 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	112.129740365	1 Sqm.

4	<p><b>Flooring (AR0817aa)</b>  <b>:.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) -</b>  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>	-	<b>13.373851365</b>	Sqm
i)	<p><b>BRM131</b> : 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	13.373851365	1 Sqm.
ii)	<p><b>BRMMR0027</b> : Wax Polish</p>	1	13.373851365	1 Sqm
iii)	<p><b>BRM340</b> : Cement</p>	0.1375	1.8389045626875	1 Qntl.
iv)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.200607770475	1 Cum

5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-		1	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1		1	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672		0.672	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28		0.28	1 Cum
iv)	<p><b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b></p>	350		350	1000 Nos
6	<p><b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	-		10	Sqm
i)	<p><b>BRM340 : Cement</b></p>	0.0358		0.358	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.15	1 Cum
7	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	50	Sqm
i)	<b>BRM340</b> : Cement	0.043	2.15	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.9	1 Cum
8	<b>Painting(AR0920ak) :.First Floor -</b> Finishing wall two coats with plastic emulsion paint of approved shades with one coat oilbound 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)(For repair and maintenance).	-	365	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	45.625	1 Litre
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	30.66	1 Ltr

9	<b>Other Building Items. (AR1902) :.cement based wall putty (water based) -</b> 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.	-	365	Sqm
i)	<b>BRMMR0038</b> : Cement based putty	0.8	292	kg

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM174</b>	0.852186026774	1Qntl	2053.857	1750.268236392
2	<b>BRM256</b>	605.500597971	1 Kg	217.4	131635.8299989
3	<b>BRM131</b>	125.50359173	1 Sqm.	663.9538891	83328.597825152
4	<b>BRMMR0027</b>	13.373851365	1 Sqm	8.5	113.6777366025
5	<b>BRM340</b>	5.0189045626875	1 Qntl.	569.477	2858.1507136456
6	<b>BRM028</b>	1.530607770475	1 Cum	483.09	739.42130783877
7	<b>BRMMR0025</b>	1	1 Cum	33	33
8	<b>BRM005</b>	350	1000 Nos	6.2586	2190.51
9	<b>BRM140</b>	45.625	1 Litre	249.70677	11392.87138125
10	<b>BRM252</b>	30.66	1 Ltr	125.86677	3859.0751682
11	<b>BRMMR0038</b>	292	kg	30	8760
<b>Total: 246661.40236798</b>					