

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balangir	<b>Block</b>	Bangomunda	<b>Gram Panchayat</b>	Kansil

<b>Work Code</b>	OD/345/3286/275183/421324/00038513 (Repair and maintenance of Primary School at Dumermunda)
<b>Project Category</b>	Building

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bangomunda	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	31-03-2026	<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>	SINGRAI MURMU		

### Administrative Approval Details

<b>Approval No.</b>	OD/345/3286/275183/421324/00038513/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/345/3286/275183/421324/00038513/TS
<b>Fund Sanction No.</b>	34989
<b>Fund Sanction Amount (in Rs.)</b>	300000

### 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.	-	<b>73.50949875</b>	Sqm

2	<p><b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; 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&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	52.118583	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.3961012308	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	5.5975358142	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.094490243	1 Cum
iv)	<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	52.118583	1 Sqm.

3	<p><b>Flooring (AR0816)</b>  <b>:.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor -</b> Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	17.48898975	Sqm
i)	<b>BRMMR0027</b> : Wax Polish	1	17.48898975	1 Sqm
ii)	<b>BRM130</b> : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	17.48898975	1 Sqm.
iii)	<b>BRM340</b> : Cement	0.2737	4.786736494575	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.22735686675	1 Cum

4	<p><b>Flooring (AR0817b)</b>  <b>:.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</b></p>	-	23.674006975	Sqm
i)	<p><b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	23.674006975	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	3.2551759590625	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.355110104625	1 Cum
5	<p><b>Plastering (AR1004i)</b>  <b>:.12mm thick cement plaster (1:6) over Brick work in outside.</b>  - 12mm thick cement plaster (1:6) over Brick work in outside 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.</p>	-	39.50700075	Sqm
i)	<p><b>BRM340</b> : Cement</p>	0.0358	1.41435062685	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.59260501125	1 Cum
6	<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.	-	<b>30.21670075</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.29931813225	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.5439006135	1 Cum
7	<b>Painting(AR0920a) :.Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside)</b> - Finishing wall surface with two coats with plastic emulsion paint 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)	-	<b>207.8704625</b>	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	25.9838078125	1 Litre
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	17.46111885	1 Ltr

8	<p><b>Painting(AR0918ca)</b>  <b>:.Finishing wall two coats with weather coat with one coat oilbound Primer -</b>  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)</p>	-	<b>230.84444537</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	28.85555567125	1 Ltr
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	19.39093341108	1 Ltr
9	<p><b>R.C.C. Work (AR0404A)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	<b>0.42050448</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	1.460538210384	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.189227016	1 Cum
iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.1513816128	1 Cum.

iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.2270724192	1 Cum.
10	<b>Flooring (AR0817aa)</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) - 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.	-	<b>4.89970422</b>	Sqm
i)	<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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	4.89970422	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	4.89970422	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	0.67370933025	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.0734955633	1 Cum

11	<p><b>Flooring (AR0816jk)</b>  <b>:.Fixing Chequered Tiles in floor, treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (For repair and maintenance).</b> - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge(For repair and maintenance) .</p>	-	11.984487	Sqm
i)	<b>BRM134</b> : Chequered Tiles.	1	11.984487	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	11.984487	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	3.2801540919	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.155798331	1 Cum
12	<p><b>Painting(AR0903ik)</b>  <b>:.Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) .</b> - 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)(For repair and maintenance).</p>	-	45.2727931875	Sqm
i)	<b>BRM141</b> : Enamel paint	0.125	5.6590991484375	1 Litre

13	<b>Iron Work(AR1704)</b> :.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.	-	1.0125	Qntl
i)	<b>BRM341 : Steel</b>	1	1.0125	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM174</b>	0.3961012308	1Qntl	2047.912	811.18046377009
2	<b>BRM340</b>	21.767518659471	1 Qntl.	534.912	11643.706941175
3	<b>BRM028</b>	3.231983749425	1 Cum	417.99	1350.9368874222
4	<b>BRM131</b>	57.01828722	1 Sqm.	662.3175001	37764.209451534
5	<b>BRMMR0027</b>	34.37318097	1 Sqm	8.5	292.172038245
6	<b>BRM130</b>	17.48898975	1 Sqm.	461.3175001	8067.9770307445
7	<b>BRM129</b>	23.674006975	1 Sqm.	416.4375001	9858.744282019
8	<b>BRM140</b>	25.9838078125	1 Litre	249.64732	6486.7879837857
9	<b>BRM252</b>	36.85205226108	1 Ltr	125.80732	4636.2579314664
10	<b>BRM255</b>	28.85555567125	1 Ltr	195.09732	5629.6415785717
11	<b>BRM060</b>	0.1513816128	1 Cum.	1741.11	263.57203986221
12	<b>BRM052</b>	0.2270724192	1 Cum.	1723.4	391.33660724928
13	<b>BRM134</b>	11.984487	1 Sqm.	254.75	3053.04806325
14	<b>BRM141</b>	5.6590991484375	1 Litre	205.64732	1163.7785734905
15	<b>BRM341</b>	1.0125	1 Qntl.	6206.132	6283.70865

**Total: 97697.058522586**