

ESTIMATION DPR

State	Odisha	District	Khordha	Block	Balipatna	Gram Panchayat	Alisisasan
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Work Code	OD/362/3457/275278/407671/00089113 (Repair and Maintenance of Bhairpur Govt Pry. School, Bhairpur)		
Project Category	Building		

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Balipatna	Proposal Date	-
Date of Commencement	17-03-2026	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	Sushree		

Administrative Approval Details

Approval No.	OD/362/3457/275278/407671/00089113/AS
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Technical Sanction Details

Technical Sanction No.	OD/362/3457/275278/407671/00089113/TS
Fund Sanction No.	22574
Fund Sanction Amount (in Rs.)	250000

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>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/cm² 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.</p>	-	7.62024	Cum
i)	BRM340 : Cement	0.672	5.12080128	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.1336672	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	2667.084	1000 Nos
2	<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>	-	53.985492	Sqm
i)	BRM340 : Cement	0.043	2.321376156	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.971738856	1 Cum

3	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.	-	47.2894	Sqm
i)	BRM340 : Cement	0.0372	1.75916568	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.3546705	1 Cum
4	Other Building Items. (AR1901Ba) :.Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in- charge.	-	27.813	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	27.813	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.2113788	1Qntl
iii)	BRM340 : Cement	0.1074	2.9871162	1 Qntl.

iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.584073	1 Cum
5	Flooring (AR0817a) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge	-	9.0885	Sqm
i)	BRM130 : 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	9.0885	1 Sqm.
ii)	BRM340 : Cement	0.1375	1.24966875	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.1363275	1 Cum

6	Flooring (AR0817ap) :.Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing complete including cost of precast tiles.	-	54.67924	Sqm
i)	BRM340 : Cement	0.1375	7.5183955	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.8201886	1 Cum
7	Flooring (AR0817bck) :.Fixing Vitrified industrial Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3)(For repair and maintenance) - Fixing Vitrified industrial Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified industrial tiles including rubbing and polishing complete including cost of precast tiles(For repair and maintenance).	-	4.746	Sqm
i)	BRM133 : Tiles up to Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm	1	4.746	1 Sqm.
ii)	BRM340 : Cement	0.1375	0.652575	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.07119	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.	-	3.42	Qntl
i)	BRM341 : Steel	1	3.42	1 Qntl.
9	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.	-	33.7149	Sqm
i)	BRM340 : Cement	0.0358	1.20699342	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.5057235	1 Cum
10	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.	-	48.72022	Sqm

i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	4.400536	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)	-	33.7149	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	4.2143625	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	3.0452167741935	1 Ltr
12	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)	-	110.19698	Sqm
i)	BRM142 : Distemper	0.25	27.549245	1 Kg.
13	Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	18.01871	Sqm
i)	BRM137 : Red oxide Primer	0.054	0.97301034	1 Litre

ii)	BRM141 : Enamel paint	0.125	2.25233875	1 Litre
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	5.577579156	1 Cum	118.25	659.548735197

Total: 659.548735197