

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Chitrakonda	Gram Panchayat	Jodamba

Work Code	OD/364/3483/119986/430799/00037312 (Repair & Maintenance of Primary school Building, Matikhal)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Chitrakonda	Proposal Date	07-12-2024
Date of Commencement	04-09-2025	Date of Completion	17-10-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Secondary School	Project Type	Repair and Maintenance
Name of Executant	KAMALESH NAYAK		

Administrative Approval Details

Approval No.	OD/364/3483/119986/430799/00037312/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3483/119986/430799/00037312/TS
Fund Sanction No.	28923
Fund Sanction Amount (in Rs.)	200000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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.	Sqm	59.34	100.34838709677	19152.675148856

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.	Sqm	254.925	50.174193548387	19152.675148856
3	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)	Sqm	59.34	1049.3692513074	19152.675148856

4	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	99.16	112.89193548387	19152.675148856
5	Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	Sqm	99.16	384.1520794148	19152.675148856

6	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.	Sqm	129.6	187.2964932048	19152.675148856
7	Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	Sqm	150.87	70.12597102871	19152.675148856

8	Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	Sqm	153.48	58.714936386624	19152.675148856
9	Painting (AR0918Ai) : Third Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	Sqm	300.19	63.8018426625	19152.675148856
Total Amount (in Rs.): 193319.5598245					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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.	-	59.34	Sqm
i	Un-Skilled	0.21505376344086	12.761290322581	-
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.	-	254.925	Sqm
i	Un-Skilled	0.10752688172043	27.411290322581	-

3	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)	-	59.34	Sqm
i	Un-Skilled	0.216	12.81744	-
ii	Highly-Skilled	0.216	12.81744	-
4	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	99.16	Sqm
i	Un-Skilled	0.24193548387097	23.990322580645	-

5	Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	-	99.16	Sqm
i	Un-Skilled	0.36	35.6976	-
ii	Highly-Skilled	0.1	9.916	-
6	Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	129.6	Sqm
i	Un-Skilled	0.12	15.552	-
ii	Skilled	0.14	18.144	-

7	Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	150.87	Sqm
i	Highly-Skilled	0.053763440860215	8.1112903225806	-
ii	Un-Skilled	0.053763440860215	8.1112903225806	-
8	Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	153.48	Sqm
i	Un-Skilled	0.042752688172043	6.5616825806452	-
ii	Highly-Skilled	0.022	3.37656	-

iii	Skilled	0.0080645161290323	1.2377419354839	-
9	Painting (AR0918Ai) : Third Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	300.19	Sqm
i	Un-Skilled	0.049777875	14.94282029625	-
ii	Highly-Skilled	0.0416745	12.510268155	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	157.84573642528	462	72924.73022848
1	Highly-Skilled	46.731558477581	612	28599.713788279
2	Skilled	19.381741935484	562	10892.538967742
				Total: 112416.9829845

MATERIAL STATEMENT

Sl.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.	-	59.34	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.	-	254.925	Sqm
3	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)	-	59.34	Sqm
i)	BRM174 : White Cement.	0.0076	0.450984	1Qntl
ii)	BRM340 : Cement	0.1074	6.373116	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.24614	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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	59.34	1 Sqm.

4	Dismantling (AR1620) :.Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	99.16	Sqm
5	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	-	99.16	Sqm
i)	BRM340 : Cement	0.1208	11.978528	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.675804	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.	0.0169	1.675804	1 Cum.
6	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	129.6	Sqm

i)	BRM340 : Cement	0.0358	4.63968	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.944	1 Cum
7	Painting(AR0901a) :.Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	150.87	Sqm
i)	BRM138 : Wood Primer	0.075	11.31525	1 Litre
8	Painting(AR0918c) :.Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	153.48	Sqm
i)	BRM143 : Cement paint	0.25	38.37	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	1.6519729032258	1 Qntl.
9	Painting(AR0918Ai) :.Third Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	300.19	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.075	22.51425	1 Ltr
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM174	0.450984	1Qntl	2095.472	945.024344448
2	BRM340	24.643296903226	1 Qntl.	614.662	15147.298161131
3	BRM028	4.865944	1 Cum	1398.79	6806.43380776
4	BRM131	59.34	1 Sqm.	675.4086121	40078.747042014
5	BRM064	1.675804	1 Cum.	1321.51	2214.59174404
6	BRM138	11.31525	1 Litre	155.86292	1763.62790553
7	BRM143	38.37	1 Kg.	48.61292	1865.2777404
8	BRM255	22.51425	1 Ltr	195.57292	4403.17761411
					Total: 73224.178359433

ROYALTY STATEMENT

Sl.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.	-	59.34	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.	-	254.925	Sqm

3	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)	-	59.34	Sqm
i)	BRM174 : White Cement.	0.0076	0.450984	1Qntl
ii)	BRM340 : Cement	0.1074	6.373116	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.24614	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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	59.34	1 Sqm.
4	Dismantling (AR1620) :.Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	99.16	Sqm

5	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	-	99.16	Sqm
i)	BRM340 : Cement	0.1208	11.978528	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.675804	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.	0.0169	1.675804	1 Cum.
6	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	129.6	Sqm
i)	BRM340 : Cement	0.0358	4.63968	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.944	1 Cum

7	Painting(AR0901a) :.Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	150.87	Sqm
i)	BRM138 : Wood Primer	0.075	11.31525	1 Litre
8	Painting(AR0918c) :.Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	153.48	Sqm
i)	BRM143 : Cement paint	0.25	38.37	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	1.6519729032258	1 Qntl.
9	Painting(AR0918Ai) :.Third Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	300.19	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	22.51425	1 Ltr

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	BRM028	4.865944	1 Cum	197.25	959.807454
2	BRM064	1.675804	1 Cum.	658.5	1103.516934
					Total: 2063.324388

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1933.195598245
2	Display Citizen Board @ Rs. 4747	Rs. 4747
		Total Addition Component Amount (in Rs.): 6680.195598245

Total Net Amount (in Rs.): 199999.75542274