

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Rayagada	Gram Panchayat	Matikona

Work Code	OD/370/3557/121270/426366/00014617 (Govt. UGHS, Matikona)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Rayagada	Proposal Date	-
Date of Commencement	03-02-2026	Date of Completion	-
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Secondary School	Project Type	Repair and Maintenance
Name of Executant	DEEPTI RANJAN BEHERA		

Administrative Approval Details

Approval No.	OD/370/3557/121270/426366/00014617/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3557/121270/426366/00014617/TS
Fund Sanction No.	8559
Fund Sanction Amount (in Rs.)	248000

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	38.88	100.34838709677	16982.9265375

2	<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>	Cum	3.888	5586.30307342	16982.9265375
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3	<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>	Sqm	45.06	1537.140059106	16982.9265375
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4	<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>	Sqm	25.5	246.860232114	16982.9265375
5	<p>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)</p>	Sqm	294.06	78.85530055	16982.9265375

6	<p>Painting (AR0903b) : Fifth Floor - 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.</p>	Sqm	66.25125	259.09668255181	16982.9265375
7	<p>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 specification and direction of Engineer-in-charge. (new work)</p>	Sqm	202.01	356.1884673284	16982.9265375
8	<p>Dismantling (AR1621) : First floor - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	207.975	81.6585	16982.9265375

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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.	-	38.88	Sqm
	i Un-Skilled	0.21505376344086	8.3612903225806	-
2	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.	-	3.888	Cum
	i Skilled	0.18	0.69984	-
	ii Un-Skilled	3.9	15.1632	-

3	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.	-	45.06	Sqm
i	Highly-Skilled	0.325	14.6445	-
ii	Un-Skilled	0.325	14.6445	-
iii	Semi-Skilled	0.76	34.2456	-

4	<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>	-	25.5	Sqm
i	Un-Skilled	0.24	6.12	-
ii	Skilled	0.16	4.08	-
5	<p>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)</p>	-	294.06	Sqm
i	Highly-Skilled	0.052	15.29112	-
ii	Un-Skilled	0.062	18.23172	-

6	Painting (AR0903b) : Fifth Floor - 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.	-	66.25125	Sqm
i	Highly-Skilled	0.21814297097043	14.452244505505	-
ii	Un-Skilled	0.19944500203011	13.213480690747	-
7	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 specifaion and direction of Engineer-in charge. (new work)	-	202.01	Sqm
i	Un-Skilled	0.36	72.7236	-
ii	Highly-Skilled	0.1	20.201	-

8	Dismantling (AR1621) : First floor - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	207.975	Sqm
i	Un-Skilled	0.175	36.395625	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	184.85341601333	462	85402.278198157
1	Skilled	4.77984	562	2686.27008
2	Highly-Skilled	64.588864505505	612	39528.385077369
3	Semi-Skilled	34.2456	512	17533.7472
Total:				145150.68055553

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.	-	38.88	Sqm

2	<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>	-	3.888	Cum
i)	BRM340 : Cement	2.29	8.90352	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.86624	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.73248	1 Cum.
3	<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>	-	45.06	Sqm

i)	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	45.06	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	45.06	1 Sqm
iii)	BRM340 : Cement	0.1375	6.19575	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.6759	1 Cum
4	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.	-	25.5	Sqm
i)	BRM340 : Cement	0.043	1.0965	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.459	1 Cum
5	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)	-	294.06	Sqm
i)	BRM142 : Distemper	0.25	73.515	1 Kg.

6	Painting(AR0903b) :.Fifth Floor - 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.	-	66.25125	Sqm
i)	BRM137 : Red oxide Primer	0.054	3.5775675	1 Litre
ii)	BRM141 : Enamel paint	0.125	8.28140625	1 Litre
7	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)	-	202.01	Sqm
i)	BRM340 : Cement	0.1208	24.402808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	3.413969	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	3.413969	1 Cum.
8	Dismantling (AR1621) :.First floor - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	207.975	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM340	40.598578	1 Qntl.	618.527	25111.316654606
2	BRM028	6.415109	1 Cum	548.19	3516.69860271
3	BRM044	3.73248	1 Cum.	1551.51	5790.9800448
4	BRM131	45.06	1 Sqm.	665.5902781	29991.497931186
5	BRMMR0027	45.06	1 Sqm	8.5	383.01
6	BRM142	73.515	1 Kg.	70.42622	5177.3835633
7	BRM137	3.5775675	1 Litre	143.12622	512.04371306985
8	BRM141	8.28140625	1 Litre	205.76622	1704.0336603469
9	BRM064	3.413969	1 Cum.	1386.61	4733.84355509
Total: 76920.807725109					

ROYALTY 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.	-	38.88	Sqm
2	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.	-	3.888	Cum
i)	BRM340 : Cement	2.29	8.90352	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.86624	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.73248	1 Cum.
3	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.	-	45.06	Sqm
i)	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	45.06	1 Sqm.
ii)	BRM340 : Cement	0.1375	6.19575	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.6759	1 Cum

4	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.	-	25.5	Sqm
i)	BRM340 : Cement	0.043	1.0965	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.459	1 Cum
5	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)	-	294.06	Sqm
i)	BRM142 : Distemper	0.25	73.515	1 Kg.
6	Painting(AR0903b) ::Fifth Floor - 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.	-	66.25125	Sqm
i)	BRM137 : Red oxide Primer	0.054	3.5775675	1 Litre
ii)	BRM141 : Enamel paint	0.125	8.28140625	1 Litre

7	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 specifaion and direction of Engineer-in charge. (new work)	-	202.01	Sqm
i)	BRM340 : Cement	0.1208	24.402808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	3.413969	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	3.413969	1 Cum.
8	Dismantling (AR1621) :.First floor - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	207.975	Sqm

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	6.415109	1 Cum	152.25	976.70034525
2	BRM044	3.73248	1 Cum.	157.3	587.119104
3	BRM064	3.413969	1 Cum.	163.28	557.43285832
Total: 2121.25230757					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2480	Rs. 2480

2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 8050	Rs. 8050
Total Addition Component Amount (in Rs.): 12530		

Total Net Amount (in Rs.): 242999.78621416