

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Patana	Gram Panchayat	Chemana

Work Code	OD/361/3453/119477/385697/00066744 (REPAIR AND MAINTENANCE OF GOVT UPS RENGALBEDA)						
Project Category	Building						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Patana	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>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.</p>	Sqm	52.7672	100.34838709677	5295.1034116127
2	<p>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.</p>	Sqm	52.1207811762	1062.6167738974	55384.416346466

3	<p style="text-align: center;">Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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	20.0508857	1584.433498986	31769.294987419
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4	<p style="text-align: center;">Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</p> <p>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.</p>	Sqm	3.716	991.7069125422	3685.1828870068
5	<p style="text-align: center;">Other Building Items. (AR1902) : cement based wall putty (water based) -</p> <p>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,e tc.complete. and as per the direction of Engineer in Charge.</p>	Sqm	92.5284	79.21834	7329.946250856

6	<p style="text-align: center;">Painting (AR0921bk) : Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old 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).</p>	Sqm	92.5284	124.71247113548	11539.445414212
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7	<p style="text-align: center;">Painting (AR0917hk) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old 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)(For repair and maintenance).</p>	Sqm	115.8184816524	132.0030658871	15288.394664506
8	<p style="text-align: center;">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.</p>	Sqm	19.8806	230.39719814803	4580.4345375017
Total Amount (in Rs.): 134872.21849958					

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.	-	52.7672	Sqm
i	Un-Skilled	0.21505376344086	11.347784946237	-
2	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.	-	52.1207811762	Sqm
i	Un-Skilled	0.216	11.258088734059	-
ii	Highly-Skilled	0.216	11.258088734059	-

3	<p>Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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>	-	20.0508857	Sqm
i	Highly-Skilled	0.325	6.5165378525	-
ii	Un-Skilled	0.325	6.5165378525	-
iii	Semi-Skilled	0.76	15.238673132	-

4	<p>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - 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.</p>	-	3.716	Sqm
i	Un-Skilled	0.216	0.802656	-
ii	Highly-Skilled	0.216	0.802656	-
iii	Semi-Skilled	0.55	2.0438	-
5	<p>Other Building Items. (AR1902) : cement based wall putty (water based) - 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.co mplete. and as per the direction of Engineer in Charge.</p>	-	92.5284	Sqm
i	Un-Skilled	0.057	5.2741188	-

	ii	Skilled	0.05	4.62642	-
6		Painting (AR0921bk) : Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old 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).	-	92.5284	Sqm
	i	Un-Skilled	0.095638709677419	8.8492967845161	-
	ii	Highly-Skilled	0.088498709677419	8.1886440085161	-

7	<p>Painting (AR0917hk) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old 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)(For repair and maintenance).</p>	-	115.8184816524	Sqm
i	Highly-Skilled	0.091558709677419	10.604190736892	-
ii	Un-Skilled	0.098698709677419	11.43113469589	-
8	<p>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.</p>	-	19.8806	Sqm
i	Highly-Skilled	0.18817204301075	3.7409731182796	-
ii	Un-Skilled	0.17204301075269	3.4203182795699	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	58.899936092772	462	27211.77047486
2	Highly-Skilled	41.111090450247	612	25159.987355551
3	Semi-Skilled	17.282473132	512	8848.626243584
4	Skilled	4.62642	562	2600.04804
Total: 63820.432113995				

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.	-	52.7672	Sqm
2	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.	-	52.1207811762	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	52.1207811762	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.39611793693912	1Qntl
iii)	BRM340 : Cement	0.1074	5.5977718983239	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.0945364047002	1 Cum
3	Flooring (AR0817ab) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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.	-	20.0508857	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	20.0508857	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	20.0508857	1 Sqm

iii)	CON026 : cement (Other way)	0.1375	2.75699678375	1000 kg
iv)	BRM340 : Cement	0.1375	2.75699678375	1 Qntl.
v)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3007632855	1 Cum
4	Flooring (AR0816j) :.Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - 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.	-	3.716	Sqm
i)	BRM134 : Chequered Tiles.	1	3.716	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	3.716	1 Sqm
iii)	BRM340 : Cement	0.2737	1.0170692	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.048308	1 Cum
5	Other Building Items. (AR1902) :.cement based wall putty (water based) - 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.co mplete. and as per the direction of Engineer in Charge.	-	92.5284	Sqm
i)	BRMMR0038 : Cement based putty	0.8	74.02272	kg

6	<p>Painting(AR0921bk) :.Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old 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).</p>	-	92.5284	Sqm
i)	BRM142 : Distemper	0.166	15.3597144	1 Kg.
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	7.7723856	1 Ltr
7	<p>Painting(AR0917hk) :.Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old 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)(For repair and maintenance).</p>	-	115.8184816524	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	8.68638612393	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	10.461024149249	1 Ltr

8	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.	-	19.8806	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.0735524	1 Litre
ii)	BRM141 : Enamel paint	0.125	2.485075	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM132	72.1716668762	1 Sqm.	713.5430561	51497.591746675
2	BRM174	0.39611793693912	1Qntl	2071.692	820.63436101328
3	BRM340	9.3718378820739	1 Qntl.	616.087	5773.8674852533
4	BRM028	1.4436076902002	1 Cum	601.41	868.2001009633
5	BRMMR0027	23.7668857	1 Sqm	8.5	202.01852845
6	CON026	2.75699678375	1000 kg	0	0
7	BRM134	3.716	1 Sqm.	254.75	946.651
8	BRMMR0038	74.02272	kg	30	2220.6816
9	BRM142	15.3597144	1 Kg.	70.64512	1085.0888669537
10	BRM253	18.233409749249	1 Ltr	159.57512	2909.5985487456
11	BRM255	8.68638612393	1 Ltr	195.33512	1696.7562758842
12	BRM137	1.0735524	1 Litre	143.24512	153.78114236429
13	BRM141	2.485075	1 Litre	205.88512	511.639964584
Total: 68686.509620887					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.4436076902002	1 Cum	50.25	72.54128643256
Total: 72.54128643256					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
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1	Provision for EI Work @ Rs. 2000	Rs. 2000
2	Provision for Contingency @ Rs. 1500	Rs. 1500
3	Display Citizen Board @ Rs. 1600	Rs. 1600
4	Any Other Lumpsum @ Rs. 10027	Rs. 10027
Total Addition Component Amount (in Rs.): 15127		

Total Net Amount (in Rs.): 149999.21849958