

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Tentulia

Work Code	OD/346/3305/116254/393253/00064612 (repair and restoration of charabadi awc building)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nilgiri	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Severe Cyclonic Storm DANA 2024	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	AWC	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.)	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	44.795	100.34838709677	4495.1059999998

2	<p style="text-align: center;">Flooring (AR0816) : First floor - 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>	Sqm	53.495	1223.237313227	65437.080071078
3	<p style="text-align: center;">Flooring (AR0817b) : First floor - 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.</p>	Sqm	8.145	903.378219911	7358.0156011751

4	<p style="text-align: center;">Masonry</p> <p>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>	Cum	2.5	5242.46236396	13106.1559099
5	<p>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.</p>	Sqm	22.1	171.969108844	3800.5173054524

6	<p align="center">Painting (AR0920) : First Floor - Finishing wall two coats with plastic emulsion paint 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	313.48375	96.6874212	30309.935375605
7	<p align="center">Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) - Finishing wall with two coats weather coat paint of approved shade including one coat of oil 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)</p>	Sqm	101.2575	156.91624171951	15888.946345913

8	<p align="center">Iron Work (AR1704) : Iron Doors and windows fixing -</p> <p>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.</p>	Qntl	3.3588	15782.828245087	53011.363509598
Total Amount (in Rs.): 193407.12011872					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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>	-	44.795	Sqm
i	Un-Skilled	0.21505376344086	9.63333333333333	-

2	<p>Flooring (AR0816) : First floor - 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>	-	53.495	Sqm
i	Un-Skilled	0.2268	12.132666	-
ii	Highly-Skilled	0.2268	12.132666	-
iii	Semi-Skilled	0.5775	30.8933625	-
3	<p>Flooring (AR0817b) : First floor - 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.</p>	-	8.145	Sqm

	i	Un-Skilled	0.34125	2.77948125	-
	ii	Highly-Skilled	0.34125	2.77948125	-
4		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/cm ² 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.	-	2.5	Cum
	i	Un-Skilled	2.96	7.4	-
	ii	Skilled	1.05	2.625	-
	iii	Highly-Skilled	0.35	0.875	-

5	<p>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.</p>	-	22.1	Sqm
i	Un-Skilled	0.12	2.652	-
ii	Skilled	0.14	3.094	-
6	<p>Painting (AR0920) : First Floor - Finishing wall two coats with plastic emulsion paint 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>	-	313.48375	Sqm
i	Highly-Skilled	0.05562	17.435966175	-
ii	Un-Skilled	0.06592	20.6648488	-

7	<p>Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) - Finishing wall with two coats weather coat paint of approved shade including one coat of oil 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)</p>	-	101.2575	Sqm
i	Un-Skilled	0.11776344086022	11.924431612903	-
ii	Highly-Skilled	0.10776344086022	10.911856612903	-
8	<p>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.</p>	-	3.3588	Qntl
i	Un-Skilled	6.3976377952756	21.488385826772	-
ii	Semi-Skilled	1.9685039370079	6.611811023622	-

iii	Skilled	3.9370078740157	13.223622047244	-
iv	Highly-Skilled	3.4448818897638	11.570669291339	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	88.675146823008	462	40967.91783223
2	Highly-Skilled	55.705639329242	612	34091.851269496
3	Semi-Skilled	37.505173523622	512	19202.648844094
4	Skilled	18.942622047244	562	10645.753590551
Total:				104908.17153637

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.	-	44.795	Sqm

2	<p>Flooring (AR0816) :.First floor - 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>	-	53.495	Sqm
i)	BRMMR0027 : Wax Polish	1	53.495	1 Sqm
ii)	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	53.495	1 Sqm.
iii)	BRM340 : Cement	0.2737	14.6415815	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.695435	1 Cum
3	<p>Flooring (AR0817b) :.First floor - 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.</p>	-	8.145	Sqm

i)	BRM129 : 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	1	8.145	1 Sqm.
ii)	BRM340 : Cement	0.1375	1.1199375	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.122175	1 Cum
4	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.	-	2.5	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	2.5	1 Cum
ii)	BRM340 : Cement	0.672	1.68	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.7	1 Cum
iv)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	350	875	1000 Nos

5	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.	-	22.1	Sqm
i)	BRM340 : Cement	0.0358	0.79118	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3315	1 Cum
6	Painting(AR0920) :. First Floor - Finishing wall two coats with plastic emulsion paint 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)	-	313.48375	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	39.18546875	1 Litre
7	Painting(AR0918g) :. Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) - Finishing wall with two coats weather coat paint of approved shade including one coat of oil 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)	-	101.2575	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	12.6571875	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	8.50563	1 Ltr
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.	-	3.3588	Qntl
i)	BRM341 : Steel	1	3.3588	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0027	53.495	1 Sqm	8.5	454.7075
2	BRM130	53.495	1 Sqm.	467.8630561	25028.334186069
3	BRM340	18.232699	1 Qntl.	579.822	10571.719999578
4	BRM028	1.84911	1 Cum	352.89	652.5324279
5	BRM129	8.145	1 Sqm.	422.9830561	3445.1969919345
6	BRMMR0025	2.5	1 Cum	33	82.5
7	BRM005	875	1000 Nos	6.59565	5771.19375
8	BRM140	39.18546875	1 Litre	249.88512	9791.86556085
9	BRM255	12.6571875	1 Ltr	195.33512	2472.393239175
10	BRM252	8.50563	1 Ltr	126.04512	1072.0931540256
11	BRM341	3.3588	1 Qntl.	6228.632	20920.7291616
Total: 80263.265971133					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.84911	1 Cum	442.25	817.7688975
Total: 817.7688975					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000

2	Display Citizen Board @ Rs. 1000	Rs. 1000
3	Any Other Lumpsum @ Rs. 3592	Rs. 3592
Total Addition Component Amount (in Rs.): 6592		

Total Net Amount (in Rs.): 199999.12011872