

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Narenpur

Work Code	OD/346/3305/116248/393279/00072553 (repair and restoration of Satakhalia 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 (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	66.585	112.89193548387	7516.9095241935

2	<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	66.585	364.436465234	24266.002037606
3	<p>Dismantling (AR1629) : Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	180.693	65.226451612903	11785.96322129

4	<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	108.6357	172.740414534	18765.775851191
5	<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	109.9514	247.57014859	27220.684435679

6	<p style="text-align: center;">Painting (AR0920a) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new 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)</p>	Sqm	266.0633	163.82827782051	43588.692230242
7	<p style="text-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	118.035	156.94134032051	18524.571104731

8	<p style="text-align: center;">Painting (AR0903ik) : Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)(For repair and maintenance).</p>	Sqm	53.82	167.04571075081	8990.4001526086
9	<p style="text-align: center;">Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	Cum	0.625	240.77592	150.48495

10	<p style="text-align: center;">Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	2.53	921.527232	2331.46389696
11	<p style="text-align: center;">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	2.145	6220.46438226	13342.896099948

12	<p style="text-align: center;">Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section 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.</p>	Cum	1.216	7671.62312662	9328.6937219699
13	<p style="text-align: center;">R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	4	216.23489289764	864.93957159056
Total Amount (in Rs.): 186677.47679801					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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.	-	66.585	Sqm
i	Un-Skilled	0.24193548387097	16.109274193548	-
2	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)	-	66.585	Sqm
i	Un-Skilled	0.36	23.9706	-
ii	Highly-Skilled	0.1	6.6585	-

3	<p>Dismantling (AR1629) : Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	180.693	Sqm
i	Un-Skilled	0.13978494623656	25.258161290323	-
4	<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>	-	108.6357	Sqm
i	Un-Skilled	0.12	13.036284	-
ii	Skilled	0.14	15.208998	-

5	<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>	-	109.9514	Sqm
i	Un-Skilled	0.24	26.388336	-
ii	Skilled	0.16	17.592224	-
6	<p>Painting (AR0920a) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new 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)</p>	-	266.0633	Sqm
i	Highly-Skilled	0.10776344086022	28.671896694624	-
ii	Un-Skilled	0.11776344086022	31.332529694624	-

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>	-	118.035	Sqm
i	Un-Skilled	0.11776344086022	13.900207741935	-
ii	Highly-Skilled	0.10776344086022	12.719857741935	-
8	<p>Painting (AR0903ik) : Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)(For repair and maintenance).</p>	-	53.82	Sqm
i	Highly-Skilled	0.13709677419355	7.3785483870968	-
ii	Un-Skilled	0.12064516129032	6.4931225806452	-

9	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	0.625	Cum
i	Un-Skilled	0.516	0.3225	-
10	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	2.53	Cum
i	Un-Skilled	0.1236	0.312708	-

11	<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>	-	2.145	Cum
i	Skilled	0.18	0.3861	-
ii	Un-Skilled	3.9	8.3655	-
12	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section 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.</p>	-	1.216	Cum
i	Un-Skilled	4.6	5.5936	-

	ii	Skilled	0.68	0.82688	-
13		R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	4	Sqm
	i	Semi-Skilled	0.05	0.2	-
	ii	Skilled	0.05	0.2	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	171.08282350108	462	79040.264457497
2	Highly-Skilled	55.428802823656	612	33922.427328077
3	Skilled	34.214202	562	19228.381524
4	Semi-Skilled	0.2	512	102.4
Total:				132293.47330957

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	66.585	Sqm
2	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)	-	66.585	Sqm
i)	BRM340 : Cement	0.1208	8.043468	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.1252865	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	1.1252865	1 Cum.
3	Dismantling (AR1629) :.Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	180.693	Sqm

4	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.	-	108.6357	Sqm
i)	BRM340 : Cement	0.0358	3.88915806	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.6295355	1 Cum
5	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.	-	109.9514	Sqm
i)	BRM340 : Cement	0.043	4.7279102	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.9791252	1 Cum

6	Painting(AR0920a) :.Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new 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)	-	266.0633	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	33.2579125	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	22.3493172	1 Ltr
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)	-	118.035	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	14.754375	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.91494	1 Ltr

8	<p>Painting(AR0903ik) :.Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)(For repair and maintenance).</p>	-	53.82	Sqm
i)	BRM141 : Enamel paint	0.125	6.7275	1 Litre
9	<p>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	0.625	Cum
10	<p>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	2.53	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.53	1 Cum

11	<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>	-	2.145	Cum
i)	BRM340 : Cement	2.29	4.91205	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.0296	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.0592	1 Cum.
12	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section 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.</p>	-	1.216	Cum
i)	BRM340 : Cement	3.23	3.92768	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.5472	1 Cum

iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1.0944	1 Cum.
13	R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	4	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.01068	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.504	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	25.50026626	1 Qntl.	573.877	14634.01630049
2	BRM028	6.3107472	1 Cum	417.99	2637.829222128
3	BRM064	1.1252865	1 Cum.	1712.11	1926.614269515
4	BRM140	33.2579125	1 Litre	250.00402	8314.6118218083
5	BRM252	32.2642572	1 Ltr	126.16402	4070.5883906659
6	BRM255	14.754375	1 Ltr	195.45402	2883.8019063375
7	BRM141	6.7275	1 Litre	206.00402	1385.89204455
8	BRM029	2.53	1 Cum	413.05	1045.0165
9	BRM044	2.0592	1 Cum.	1857.16	3824.263872
10	BRM056	1.0944	1 Cum.	2258.53	2471.735232
11	BRM104	0.01068	1Cum.	58573.086	625.56055848
12	BRM092	0.504	1Mtr.	229.106	115.469424

Total: 43935.399541975

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	6.3107472	1 Cum	442.25	2790.9279492
2	BRM064	1.1252865	1 Cum.	522.5	587.96219625
3	BRM029	2.53	1 Cum	442.25	1118.8925
4	BRM044	2.0592	1 Cum.	522.5	1075.932
5	BRM056	1.0944	1 Cum.	522.5	571.824
					Total: 6145.53864545

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 9322	Rs. 9322
		Total Addition Component Amount (in Rs.): 13322

Total Net Amount (in Rs.): 199999.47679801