

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Jadida

Work Code	OD/346/3305/116239/393165/00062822 (Repair and renovation at jaganathpur 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.	5107
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	73.1757725934	100.34838709677	7343.0707543077

2	<p style="text-align: center;">Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips -</p> <p>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	73.1757725934	361.1728260548	26429.100586302
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3	<p style="text-align: center;">R.C.C. Work (AR0404Aa) :</p> <p>Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	0.18609447	6525.9990601063	1214.452336311
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4	<p style="text-align: center;">R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in- charge.</p>	Qntl	0.14	8926.088312	1249.65236368
5	<p>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.</p>	Sqm	0.59515984375	174.0085221348	103.56288484492

6	<p>Plastering (AR1004ik) : 12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance). - 12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).</p>	Sqm	68.19823424	176.7177461348	12051.838245266
7	<p>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	69.0528210661	190.5449015032	13157.662988558

8	<p align="center">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,e tc.complete. and as per the direction of Engineer in Charge.</p>	Sqm	188.474638675	79.21834	14930.648007933
9	<p align="center">Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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	103.1594912	94.7526285875	9774.6329549491

10	<p style="text-align: center;">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>	Qntl	1.825	16245.277147087	29647.630793434
11	<p style="text-align: center;">Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - 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)</p>	Sqm	49.345892965	164.22772665202	8103.9638212559

12	<p align="center">Painting (AR0920bk) : Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) . - Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound 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)(For repair and maintenance).</p>	Sqm	188.474638675	169.01634821378	31855.29515976
Total Amount (in Rs.): 155861.5108966					

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>	-	73.1757725934	Sqm
i	Un-Skilled	0.21505376344086	15.736725288903	-

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)	-	73.1757725934	Sqm
i	Un-Skilled	0.36	26.343278133624	-
ii	Highly-Skilled	0.1	7.31757725934	-

3	R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	0.18609447	Cum
i	Un-Skilled	1.3333	0.248119756851	-
ii	Skilled	0.175	0.03256653225	-
iii	Semi-Skilled	0.1323	0.024620298381	-

4	<p>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.</p>	-	0.14	Qntl
i	Un-Skilled	0.8	0.112	-
ii	Highly-Skilled	0.3	0.042	-
iii	Semi-Skilled	0.044	0.00616	-
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>	-	0.59515984375	Sqm
i	Un-Skilled	0.12	0.07141918125	-

	ii	Skilled	0.14	0.083322378125	-
6		<p>Plastering (AR1004ik) : 12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance). - 12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).</p>	-	68.19823424	Sqm
	i	Un-Skilled	0.1224	8.347463870976	-
	ii	Skilled	0.1428	9.738707849472	-
7		<p>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	69.0528210661	Sqm
	i	Un-Skilled	0.17	11.738979581237	-

	ii	Skilled	0.14	9.667394949254	-
8		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. complete. and as per the direction of Engineer in Charge.	-	188.474638675	Sqm
	i	Un-Skilled	0.057	10.743054404475	-
	ii	Skilled	0.05	9.42373193375	-
9		Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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)	-	103.1594912	Sqm
	i	Highly-Skilled	0.054	5.5706125248	-
	ii	Un-Skilled	0.064	6.6022074368	-

10	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.	-	1.825	Qntl
i	Un-Skilled	6.3976377952756	11.675688976378	-
ii	Semi-Skilled	1.9685039370079	3.5925196850394	-
iii	Skilled	3.9370078740157	7.1850393700787	-
iv	Highly-Skilled	3.4448818897638	6.2869094488189	-
11	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - 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)	-	49.345892965	Sqm
i	Highly-Skilled	0.13440860215054	6.6325124952957	-
ii	Un-Skilled	0.11827956989247	5.8366109958602	-

12	<p>Painting (AR0920bk) : Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) . -</p> <p>Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound 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)(For repair and maintenance).</p>	-	188.474638675	Sqm
i	Highly-Skilled	0.10991870967742	20.716889090074	-
ii	Un-Skilled	0.12011870967742	22.639330404559	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	120.09487803091	462	55483.833650282
2	Highly-Skilled	46.566500818328	612	28498.698500817
3	Skilled	36.13076301293	562	20305.488813267
4	Semi-Skilled	3.6232999834204	512	1855.1295915112
Total:				106143.15055588

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 (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.	-	73.1757725934	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 specification and direction of Engineer-in charge. (new work)	-	73.1757725934	Sqm
i)	BRM340 : Cement	0.1208	8.8396333292827	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.2366705568285	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	1.2366705568285	1 Cum.

3	R.C.C. Work (AR0404Aa) ∴Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	0.18609447	Cum
i)	BRM340 : Cement	3.4733	0.646361922651	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.0837425115	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.0669940092	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.1004910138	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00074530835235	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.03517185483	1Mtr.

4	R.C.C. Work (AR0409) :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	0.14	Qntl
i)	BRM162 : Binding Wire.	0.8	0.112	1 Kg.
ii)	BRM341 : Steel	1.05	0.147	1 Qntl.
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.	-	0.59515984375	Sqm
i)	BRM340 : Cement	0.0358	0.02130672240625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.00892739765625	1 Cum

6	<p>Plastering (AR1004ik) :.12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance). - 12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).</p>	-	68.19823424	Sqm
i)	BRM340 : Cement	0.0358	2.441496785792	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.0229735136	1 Cum
7	<p>Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	69.0528210661	Sqm
i)	BRM340 : Cement	0.0372	2.5687649436589	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.51789615799575	1 Cum

8	<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. complete. and as per the direction of Engineer in Charge.</p>	-	188.474638675	Sqm
i)	BRMMR0038 : Cement based putty	0.8	150.77971094	kg
9	<p>Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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>	-	103.1594912	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	12.8949364	1 Litre
10	<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>	-	1.825	Qntl
i)	BRM341 : Steel	1	1.825	1 Qntl.

11	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - 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)	-	49.345892965	Sqm
i)	BRM141 : Enamel paint	0.125	6.168236620625	1 Litre
12	Painting(AR0920bk) :.Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) . - Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound 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)(For repair and maintenance).	-	188.474638675	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	23.559329834375	1 Litre
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	15.8318696487	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	14.517563703791	1 Qntl.	546.307	7931.0466743269
2	BRM028	2.8702101375805	1 Cum	574.23	1648.1607673028
3	BRM064	1.2366705568285	1 Cum.	1581.91	1956.3015205525
4	BRM060	0.0669940092	1 Cum.	2150.38	144.0625775035
5	BRM052	0.1004910138	1 Cum.	2114	212.4380031732
6	BRM104	0.00074530835235	1Cum.	58573.086	43.655010218715
7	BRM092	0.03517185483	1Mtr.	229.106	8.058082972682

8	BRM162	0.112	1 Kg.	90	10.08
9	BRM341	1.972	1 Qntl.	6613.937	13042.683764
10	BRMMR0038	150.77971094	kg	30	4523.3913282
11	BRM140	36.454266234375	1 Litre	249.58787	9098.5426618506
12	BRM141	6.168236620625	1 Litre	205.58787	1268.1146284903
13	BRM253	15.8318696487	1 Ltr	159.27787	2521.6664757626
Total: 42408.201494354					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.8702101375805	1 Cum	442.25	1269.350433345
2	BRM064	1.2366705568285	1 Cum.	522.5	646.16036594287
3	BRM060	0.0669940092	1 Cum.	522.5	35.004369807
4	BRM052	0.1004910138	1 Cum.	522.5	52.5065547105
Total: 2003.0217238053					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 22442	Rs. 22442
2	Provision for EI Work @ Rs. 18700	Rs. 18700
3	Provision for Contingency @ Rs. 2000	Rs. 2000
4	Display Citizen Board @ Rs. 1000	Rs. 1000
Total Addition Component Amount (in Rs.): 44142		

Total Net Amount (in Rs.): 200003.5108966