

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Jamudiha

Work Code	OD/346/3305/116240/393154/00062826 (Repair and renovation jamudiha 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.)
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1	<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	226.55748753165	156.87859381801	35542.020062907
2	<p style="text-align: center;">Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	35.575761530925	66.12221647451	2352.3482051934

3	<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	2.6946	16257.286047087	43806.882982481
4	<p style="text-align: center;">Pile Foundation (AR1501a) : Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. - Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).</p>	Nos	4.5	8052.0046557922	36234.020951065

5	<p style="text-align: center;">Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	1.7334036807232	5133.0061895206	8897.57182209
6	<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	1.65	8938.697657	14748.85113405

7	<p style="text-align: center;">Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth</p>	Cum	1.24366960848	5973.17267148	7428.653317723
8	<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	13.5343691684	216.23489289764	2926.6028675661

9	<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	19.59881688	177.0027297548	3469.0440877245
10	<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	49.687776005	367.7349839148	18271.933509961

11	<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	49.687776005	100.34838709677	4986.0881805273
12	<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>	Sqm	184.55294756175	94.82017865	17499.343458189
Total Amount (in Rs.): 196163.36057948					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<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>	-	226.55748753165	Sqm
i	Un-Skilled	0.11776344086022	26.680189284372	-
ii	Highly-Skilled	0.10776344086022	24.414614409056	-
2	<p>Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	-	35.575761530925	Sqm
i	Highly-Skilled	0.053763440860215	1.912675351125	-
ii	Un-Skilled	0.053763440860215	1.912675351125	-

3	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.	-	2.6946	Qntl
i	Un-Skilled	6.3976377952756	17.23907480315	-
ii	Semi-Skilled	1.9685039370079	5.3043307086614	-
iii	Skilled	3.9370078740157	10.608661417323	-
iv	Highly-Skilled	3.4448818897638	9.2825787401575	-
4	Pile Foundation (AR1501a) : Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. - Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).	-	4.5	Nos

	i	Semi-Skilled	0.050453	0.2270385	-
	ii	Highly-Skilled	2.5	11.25	-
	iii	Un-Skilled	1.1733	5.27985	-
	iv	Skilled	0.088	0.396	-
5		Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	1.7334036807232	Cum
	i	Un-Skilled	3.17	5.4948896678925	-
	ii	Skilled	1.41	2.4440991898197	-
	iii	Highly-Skilled	0.35	0.60669128825312	-

6	<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>	-	1.65	Qntl
i	Un-Skilled	0.8	1.32	-
ii	Highly-Skilled	0.3	0.495	-
iii	Semi-Skilled	0.044	0.0726	-
7	<p>Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth</p>	-	1.24366960848	Cum
i	Un-Skilled	2.82	3.5071482959136	-
ii	Skilled	1.05	1.305853088904	-

	iii	Highly-Skilled	0.35	0.435284362968	-
8		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	-	13.5343691684	Sqm
	i	Semi-Skilled	0.05	0.67671845842	-
	ii	Skilled	0.05	0.67671845842	-
9		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.	-	19.59881688	Sqm
	i	Un-Skilled	0.12	2.3518580256	-
	ii	Skilled	0.14	2.7438343632	-

10	<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 specifaion and direction of Engineer-in charge. (new work)</p>	-	49.687776005	Sqm
	i Un-Skilled	0.36	17.8875993618	-
	ii Highly-Skilled	0.1	4.9687776005	-
11	<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>	-	49.687776005	Sqm
	i Un-Skilled	0.21505376344086	10.685543226882	-

12	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)	-	184.55294756175	Sqm
i	Highly-Skilled	0.054	9.9658591683345	-
ii	Un-Skilled	0.064	11.811388643952	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	104.17021666069	462	48126.640097237
2	Highly-Skilled	63.331480920394	612	38758.866323281
3	Semi-Skilled	6.2806876670814	512	3215.7120855457
4	Skilled	18.175166517667	562	10214.443582929
Total:				100315.66208899

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<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>	-	226.55748753165	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	28.319685941456	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	19.030828952659	1 Ltr
2	<p>Painting(AR0901b) :.Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	-	35.575761530925	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.9210911226699	1 Litre
3	<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>	-	2.6946	Qntl

i)	BRM341 : Steel	1	2.6946	1 Qntl.
4	Pile Foundation(AR1501a) :.Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. - Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).	-	4.5	Nos
i)	BRM340 : Cement	3.34053	15.032385	1 Qntl.
ii)	BRM342 : Tripod	0.5	2.25	Per day
iii)	BRM178 : Bentonite powder	1.25	5.625	1Qntl
iv)	BRM028 : Screened and washed sharp sand for mortar	0.396	1.782	1 Cum
v)	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)	0.792	3.564	1 Cum.

5	Masonry Stone Work (AR0703) :.Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	1.7334036807232	Cum
i)	BRM340 : Cement	0.8151	1.4128973401575	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.34	0.58935725144589	1 Cum
iii)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	1.7334036807232	1 Cum.
6	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.	-	1.65	Qntl
i)	BRM162 : Binding Wire.	0.8	1.32	1 Kg.
ii)	BRM341 : Steel	1.05	1.7325	1 Qntl.

7	Masonry Brick Work (AR06059) :.Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth	-	1.24366960848	Cum
i)	BRM340 : Cement	1.33	1.6540805792784	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.3482274903744	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	435.284362968	1000 Nos
8	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	-	13.5343691684	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.036136765679628	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.7053305152184	1Mtr.

9	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.	-	19.59881688	Sqm
i)	BRM340 : Cement	0.0358	0.701637644304	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2939822532	1 Cum
10	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)	-	49.687776005	Sqm
i)	BRM340 : Cement	0.1208	6.002283341404	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	0.8397234144845	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	0.8397234144845	1 Cum.

11	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.	-	49.687776005	Sqm
12	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)	-	184.55294756175	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	23.069118445219	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM255	28.319685941456	1 Ltr	195.15677	5526.778435749
2	BRM252	19.030828952659	1 Ltr	125.86677	2395.3489706936
3	BRM137	1.9210911226699	1 Litre	143.06677	274.84430179606
4	BRM341	4.4271	1 Qntl.	6625.827	29333.1987117
5	BRM340	24.803283905144	1 Qntl.	558.197	13845.118666
6	BRM342	2.25	Per day	450	1012.5
7	BRM178	5.625	1Qntl	337.87	1900.51875
8	BRM028	3.8532904095048	1 Cum	743.49	2864.8828865627
9	BRM056	3.564	1 Cum.	2258.53	8049.40092
10	BRM034	1.7334036807232	1 Cum.	1153.87	2000.1225050761
11	BRM162	1.32	1 Kg.	90	118.8
12	BRM005	435.284362968	1000 Nos	7.450375	3243.0317357477
13	BRM104	0.03613676567962 8	1Cum.	58573.086	2116.6418839147
14	BRM092	1.7053305152184	1Mtr.	229.106	390.70145301963

15	BRM064	0.8397234144845	1 Cum.	1712.11	1437.6988551731
16	BRM140	23.069118445219	1 Litre	250.12292	5770.115267344
					Total: 80279.703342776

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	3.8532904095048	1 Cum	442.25	1704.1176836035
2	BRM056	3.564	1 Cum.	522.5	1862.19
3	BRM034	1.7334036807232	1 Cum.	522.5	905.70342317787
4	BRM064	0.8397234144845	1 Cum.	522.5	438.75548406815
					Total: 4910.7665908495

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. 836	Rs. 836
		Total Addition Component Amount (in Rs.): 3836

Total Net Amount (in Rs.): 199999.36057948