

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Soro	<b>Gram Panchayat</b>	Talanagar

<b>Work Code</b>	OD/346/3309/116331/393985/00075596 (Repair of B.N High School Talangar)
<b>Project Category</b>	Building

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Soro	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	Severe Cyclonic Storm DANA 2024	<b>Scheme Component Name</b>	Self/Personal Deposit
<b>Project Sub-Category</b>	Secondary School	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	150000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<p><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>            Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	1.3167312	1540.455232	2028.3654661776

2	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	1.738085184	6077.29072126	10562.848961483
3	<p><b>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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b></p>	Sqm	56.577927	195.0744761368	11036.909470431

4	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	1.3167312	7524.39067962	9907.5999688449
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5	<p style="text-align: center;"><b>Masonry Brick Work (AR0603bi) :</b> <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in- charge.</p>	Cum	0.909394032	5272.700431568	4794.9623049918
6	<p style="text-align: center;"><b>Painting (AR0901d) :</b> <b>Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&amp;P required for the work complete as per direction of the Engineer-in- charge.</p>	Sqm	242.105218	71.83753306751	17392.241603892

7	<p style="text-align: center;"><b>Painting (AR0920) :</b>  <b>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>          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	178.37376	94.76013415	16902.72142644
8	<p style="text-align: center;"><b>Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)</b>          - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)</p>	Sqm	66.239839	761.7494394378	50458.1602267

9	<p><b>Dismantling (AR1621) : Removing old grading plaster from roof -</b>          Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	66.239839	77.77	5151.47227903
10	<p><b>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b>          Finishing wall with two coat weather coat paint of approved shade 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	63.638555	87.87319665	5592.1232580368

11	<p><b>Dismantling (AR1612) :</b>  <b>Dismantling and removing 2.5 cm. thick artificial stone flooring -</b>  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	17.279958	100.34838709677	1734.0159143999
12	<p><b>miscellaneous (ARM122) :</b>  <b>Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. -</b>  Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	242.012315	5.12	1239.1030528
<b>Total Amount (in Rs.): 136800.52393323</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	1.3167312	Cum
i	Un-Skilled	0.1236	0.16274797632	-
2	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	1.738085184	Cum
i	Skilled	0.18	0.31285533312	-
ii	Un-Skilled	3.9	6.7785322176	-

3	<p><b>Plastering (AR1027) :</b>  <b>6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) -</b> 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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	56.577927	Sqm
i	Un-Skilled	0.17	9.61824759	-
ii	Skilled	0.14	7.92090978	-
4	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	1.3167312	Cum
i	Un-Skilled	4.6	6.05696352	-
ii	Skilled	0.68	0.895377216	-

5	<p><b>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>          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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	0.909394032	Cum
i	Un-Skilled	2.96	2.69180633472	-
ii	Skilled	1.05	0.9548637336	-
iii	Highly-Skilled	0.35	0.3182879112	-
6	<p><b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	242.105218	Sqm

	i	Highly-Skilled	0.053763440860215	13.016409569892	-
	ii	Un-Skilled	0.053763440860215	13.016409569892	-
7		<b>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b> 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)	-	178.37376	Sqm
	i	Highly-Skilled	0.054	9.63218304	-
	ii	Un-Skilled	0.064	11.41592064	-
8		<b>Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) -</b> 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)	-	66.239839	Sqm

	i	Un-Skilled	1.008	66.769757712	-
	ii	Highly-Skilled	0.165	10.929573435	-
9		<b>Dismantling (AR1621) : Removing old grading plaster from roof -</b> Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	66.239839	Sqm
	i	Un-Skilled	0.166666666666667	11.039973166667	-
10		<b>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b> Finishing wall with two coat weather coat paint of approved shade 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)	-	63.638555	Sqm
	i	Un-Skilled	0.064	4.07286752	-
	ii	Highly-Skilled	0.054	3.43648197	-

11	<b>Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring</b> - 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.	-	17.279958	Sqm
	i Un-Skilled	0.21505376344086	3.71612	-
12	<b>miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</b> - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	242.012315	Sqm

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	135.3393462472	462	62526.777966206
2	Skilled	10.08400606272	562	5667.2114072486
3	Highly-Skilled	37.332935926092	612	22847.756786769
<b>Total: 91041.746160223</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0115)</b> :.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.	-	<b>1.3167312</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	1.3167312	1 Cum
2	<b>Concrete (AR0303)</b> :.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.	-	<b>1.738085184</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	3.98021507136	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	0.83428088832	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.66856177664	1 Cum.

3	<b>Plastering (AR1027)</b> :.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.	-	<b>56.577927</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	2.1046988844	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.4243344525	1 Cum
4	<b>Concrete (AR0307)</b> :.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.	-	<b>1.3167312</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	4.253041776	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.59252904	1 Cum
iii)	<b>BRM056</b> : 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	1.18505808	1 Cum.

5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	0.909394032	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1	0.909394032	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672	0.611112789504	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28	0.25463032896	1 Cum
iv)	<p><b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b></p>	350	318.2879112	1000 Nos
6	<p><b>Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	242.105218	Sqm

i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	20.336838312	1 Ltr
7	<b>Painting(AR0920)</b> :.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)	-	<b>178.37376</b>	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	22.29672	1 Litre
8	<b>Concrete (AR0318)</b> :.4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)	-	<b>66.239839</b>	Sqm
i)	<b>BRM340</b> : Cement	0.1287	8.5250672793	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.192317102	1 Cum
iii)	<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1.192317102	1 Cum.

iv)	<b>BRM056</b> : 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)	0.018	1.192317102	1 Cum.
9	<b>Dismantling (AR1621) :.Removing old grading plaster from roof</b> - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	<b>66.239839</b>	Sqm
10	<b>Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)</b> - Finishing wall with two coat weather coat paint of approved shade 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)	-	<b>63.638555</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	7.954819375	1 Ltr
11	<b>Dismantling (AR1612) :.Dismantling and removing 2.5 cm. thick artificial stone flooring</b> - 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.	-	<b>17.279958</b>	Sqm

12	miscellaneous(ARM12 2) :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	242.012315	Sqm
i)	BRMM122 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	242.012315	Sqm

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.3167312	1 Cum	1025.85	1350.76870152
2	BRM340	19.474135800564	1 Qntl.	570.467	11109.35182774
3	BRM028	3.29809181178	1 Cum	1030.79	3399.6400586647
4	BRM044	1.66856177664	1 Cum.	1401.46	2338.4225874899
5	BRM056	2.377375182	1 Cum.	1802.83	4286.0032993651
6	BRMMR0025	0.909394032	1 Cum	33	30.010003056
7	BRM005	318.2879112	1000 Nos	6.1539	1958.7119767337
8	BRM253	20.336838312	1 Ltr	159.33732	3240.4173139074
9	BRM140	22.29672	1 Litre	249.64732	5566.3163927904
10	BRM064	1.192317102	1 Cum.	1256.41	1498.0391301238
11	BRM255	7.954819375	1 Ltr	195.09732	1551.9639411466
12	BRMM122	242.012315	Sqm	5.12	1239.1030528
<b>Total: 37568.748285338</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	1.3167312	1 Cum	442.25	582.3243732
2	BRM028	3.29809181178	1 Cum	442.25	1458.5811037597
3	BRM044	1.66856177664	1 Cum.	552.5	921.8803815936

4	<b>BRM056</b>	2.377375182	1 Cum.	552.5	1313.499788055
5	<b>BRM064</b>	1.192317102	1 Cum.	552.5	658.755198855
					<b>Total: 4935.0408454633</b>

#### **ADDITION COMPONENT**

<b>SI.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for EI Work @ Rs. 5000	Rs. 5000
2	Provision for Contingency @ Rs. 1500	Rs. 1500
3	Display Citizen Board @ Rs. 500	Rs. 500
4	Any Other Lumpsum @ Rs. 6199.47	Rs. 6199.47
		<b>Total Addition Component Amount (in Rs.): 13199.47</b>

**Total Net Amount (in Rs.): 149999.99393323**