

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Arbandh

Work Code	OD/346/3305/116231/393259/00068471 (repair and restoration of Badapalsa primary school arabandha)						
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	Elementary School	Project Type	Repair and Maintenance
Name of Executant			

### Administrative Approval Details

Approval No.	
--------------	--

### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p style="text-align: center;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	1.749	240.77592	421.11708408
2	<p style="text-align: center;"><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	11.60925	987.278232	11461.559814846

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>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	3.31925	6345.5846407	21062.581818643
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 specifcaion and direction of Engineer-in charge.</p>	Cum	0.9765	7790.9839449	7607.8958221949

5	<p style="text-align: center;"><b>Masonry</b></p> <p><b>Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</b> Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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	4.48	5354.09366436	23986.339616333
---	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----	------	---------------	-----------------

6	<p style="text-align: center;"><b>Flooring (AR0816) : 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 -</b></p> <p>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	19.585	1205.612523862	23611.921279837
---	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----	--------	----------------	-----------------

7	<p><b>Flooring (AR0817aa) :</b>  <b>Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	Sqm	29.456	1543.442595456	45463.645091752
8	<p><b>miscellaneous (ARM066) :</b>  <b>Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge. -</b> Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge.</p>	Each	120	119.84	14380.8
<b>Total Amount (in Rs.): 147995.86052769</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
--------	---------------	-------------------------------------------	---------------------------	------

1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil foundation &amp; 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>	-	1.749	Cum
i	Un-Skilled	0.516	0.902484	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b></p> <p>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>	-	11.60925	Cum
i	Un-Skilled	0.1236	1.4349033	-

3	<p><b>Concrete (AR0303) :</b>  <b>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>	-	3.31925	Cum
i	Skilled	0.18	0.597465	-
ii	Un-Skilled	3.9	12.945075	-
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 specificaion and direction of Engineer-in charge.</p>	-	0.9765	Cum
i	Un-Skilled	4.6	4.4919	-

	ii	Skilled	0.68	0.66402	-
5		<b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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.	-	4.48	Cum
	i	Un-Skilled	2.96	13.2608	-
	ii	Skilled	1.05	4.704	-
	iii	Highly-Skilled	0.35	1.568	-

6	<p><b>Flooring (AR0816) :</b>  <b>Fixing ceramic Tiles</b>  <b>(30cmx30cm /</b>  <b>40cmx40cm special</b>  <b>plain/printed series</b>  <b>ceramic floor tiles of</b>  <b>premium grade</b>  <b>having thickness</b>  <b>7mm to 8mm</b>  <b>confirming to IS</b>  <b>13755) in floor -</b> 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>	-	19.585	Sqm
i	Un-Skilled	0.216	4.23036	-
ii	Highly-Skilled	0.216	4.23036	-
iii	Semi-Skilled	0.55	10.77175	-

7	<p><b>Flooring (AR0817aa)</b>  <b>: Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>          Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	29.456	Sqm
i	Highly-Skilled	0.325	9.5732	-
ii	Un-Skilled	0.325	9.5732	-
iii	Semi-Skilled	0.76	22.38656	-
8	<p><b>miscellaneous (ARM066) : Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge. - Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge.</b></p>	-	120	Each

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	46.8387223	462	21639.4897026

2	Skilled	5.965485	562	3352.60257
3	Highly-Skilled	15.37156	612	9407.39472
4	Semi-Skilled	33.15831	512	16977.05472
				<b>Total: 51376.5417126</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>1.749</b>	Cum
2	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>11.60925</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	11.60925	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:.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>	-	<b>3.31925</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	7.6010825	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.59324	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.18648	1 Cum.
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 specificaion and direction of Engineer-in charge.</p>	-	<b>0.9765</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	3.154095	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.439425	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	0.87885	1 Cum.
5	<b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	4.48	Cum
i)	<b>BRM340</b> : Cement	0.672	3.01056	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1.2544	1 Cum
iii)	<b>BRM005</b> : 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 %	350	1568	1000 Nos

6	<p><b>Flooring (AR0816)</b>  <b>:.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 -</b> 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>	-	19.585	Sqm
i)	<b>BRMMR0027</b> : Wax Polish	1	19.585	1 Sqm
ii)	<b>BRM130</b> : 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	19.585	1 Sqm.
iii)	<b>BRM340</b> : Cement	0.2737	5.3604145	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.254605	1 Cum

7	<b>Flooring (AR0817aa)</b> :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-		29.456	Sqm
i)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1		29.456	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1		29.456	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375		4.0502	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015		0.44184	1 Cum
8	<b>miscellaneous(ARM066)</b> :.Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge. - Fitting and fixing of R.C.C. doors frame and as directed by Engineer-in-Charge.	-		120	Each
i)	<b>BRMM066</b> : Fitting and fixing of R.C.C. doors frame .	1		120	Each

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	11.60925	1 Cum	478.15	5550.9628875

2	<b>BRM340</b>	23.176352	1 Qntl.	585.767	13575.942181984
3	<b>BRM028</b>	3.98351	1 Cum	483.09	1924.3938459
4	<b>BRM044</b>	3.18648	1 Cum.	1949.16	6210.9593568
5	<b>BRM056</b>	0.87885	1 Cum.	2350.53	2065.7632905
6	<b>BRM005</b>	1568	1000 Nos	6.89015	10803.7552
7	<b>BRMMR0027</b>	49.041	1 Sqm	8.5	416.8485
8	<b>BRM130</b>	19.585	1 Sqm.	472.7722231	9259.2439894135
9	<b>BRM131</b>	29.456	1 Sqm.	673.7722231	19846.634603634
10	<b>BRMM066</b>	120	Each	119.84	14380.8
<b>Total: 84035.303855731</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	11.60925	1 Cum	442.25	5134.1908125
2	<b>BRM028</b>	3.98351	1 Cum	442.25	1761.7072975
3	<b>BRM044</b>	3.18648	1 Cum.	522.5	1664.9358
4	<b>BRM056</b>	0.87885	1 Cum.	522.5	459.199125
<b>Total: 9020.033035</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1504	Rs. 1504
2	Display Citizen Board @ Rs. 500	Rs. 500
<b>Total Addition Component Amount (in Rs.): 2004</b>		

**Total Net Amount (in Rs.): 149999.86052769**