

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Dhenkanal	<b>Block</b>	Kankada Had	<b>Gram Panchayat</b>	Dashipur

<b>Work Code</b>	OD/352/3354/117371/402204/00045506 (Repair & Maintenance of Gurujanguli PS)
<b>Project Category</b>	Building

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kankada Had	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	22-02-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Primary School Building
<b>Project Sub-Category</b>	Elementary School	<b>Project Type</b>	Repair and Maintenance
<b>Name of Executant</b>	RABINARAYAN NANDI		

### Administrative Approval Details

<b>Approval No.</b>	OD/352/3354/117371/402204/00045506/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/352/3354/117371/402204/00045506/TS
<b>Fund Sanction No.</b>	1198
<b>Fund Sanction Amount (in Rs.)</b>	277000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b>	-	<b>53.6514825</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	1.9207230735	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.8047722375	1 Cum
2	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	<b>23.8551306638</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.0257706185434	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.4293923519484	1 Cum
3	<b>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 -</b> 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.	-	<b>1.161</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	0.9288	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	1.21905	1 Qntl.

4	<b>Painting(AR0922)</b> :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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>179.978287713</b>	Sqm
i)	<b>BRM142</b> : Distemper	0.25	44.99457192825	1 Kg.
5	<b>R.C.C. Work (AR0404A)</b> :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	<b>1.2910590192192</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	4.484235291454	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.58097655864864	1 Cum
iii)	<b>BRM060</b> : 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	0.46478124691891	1 Cum.

iv)	<b>BRM052</b> : 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	0.69717187037837	1 Cum.
6	<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 $\pm 8$ 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.	-	<b>5.3112352401248</b>	Cum
i)	<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	5.3112352401248	1 Cum
ii)	<b>BRM340</b> : Cement	0.672	3.5691500813639	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1.4871458672349	1 Cum
iv)	<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 $\pm 2$ %	350	1858.9323340437	1000 Nos

7	<b>Painting(AR0901d)</b> :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - 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&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>163.8356854002</b>	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	13.762197573617	1 Ltr
8	<b>Painting(AR0901di)</b> :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>88.4049061587</b>	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	7.9849592659471	1 Ltr
9	<b>Dismantling (AR1603)</b> :.Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.	-	<b>1.4465968020224</b>	Cum

10	<p><b>Dismantling (AR1613)</b>  <b>:.Removing old lime or cement plaster -</b>  Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	48.591520605	Sqm
11	<p><b>Painting(AR0918fk)</b>  <b>:.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) . -</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 and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	-	88.4049061587	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	11.050613269838	1 Ltr
12	<p><b>Painting(AR0903b)</b>  <b>:.Painting two coats of enamel paint with a coat of red oxide primer over iron surface -</b> Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.</p>	-	29.1753	Sqm
i)	<b>BRM137</b> : Red oxide Primer	0.054	1.5754662	1 Litre
ii)	<b>BRM141</b> : Enamel paint	0.125	3.6469125	1 Litre

13	<p><b>Roofing (AR1132i)</b>  <b>:.Supplying, feeting &amp; fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties</b> - Supplying, fitting &amp; fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge</p>	-	95.1686719125	Sqm
i)	<p><b>BRM150 : G.C.I. Sheet 0.40mm thick</b></p>	1	95.1686719125	1 Sqm.
14	<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>	-	19.8559259325	Sqm
15	<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>	-	19.8559259325	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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	19.8559259325	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	19.8559259325	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	2.7301898157188	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.2978388889875	1 Cum
16	<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>0.4653582912</b>	Cum
17	<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>1.6546638912</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	1.6546638912	1 Cum

18	<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>	-	<b>1.34434008</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	4.3422184584	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.604953036	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	1.209906072	1 Cum.
19	<p><b>Concrete (AR0309)</b>  <b>:.Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips -</b>  Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specifaion and direction of Engineer-in charge.</p>	-	<b>1.7745289056</b>	Cum
i)	<b>BRM340</b> : Cement	2.15	3.81523714704	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.79853800752	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	1.59707601504	1 Cum.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	21.88752448602	1 Qntl.	547.857	11991.233502337
2	<b>BRM028</b>	5.0036169478395	1 Cum	938.79	4697.3455544622
3	<b>BRM162</b>	0.9288	1 Kg.	90.1	83.68488
4	<b>BRM341</b>	1.21905	1 Qntl.	6175.797	7528.60533285
5	<b>BRM142</b>	44.99457192825	1 Kg.	70.40732	3167.9472240153
6	<b>BRM060</b>	0.46478124691891	1 Cum.	2493.91	1159.1225995035
7	<b>BRM052</b>	0.69717187037837	1 Cum.	2474.2	1724.9426416902
8	<b>BRMMR0025</b>	5.3112352401248	1 Cum	33	175.27076292412
9	<b>BRM005</b>	1858.9323340437	1000 Nos	6.72455	12500.483426893
10	<b>BRM253</b>	21.747156839564	1 Ltr	159.33732	3465.1336884358
11	<b>BRM255</b>	11.050613269838	1 Ltr	195.09732	2155.9450333017
12	<b>BRM137</b>	1.5754662	1 Litre	143.00732	225.30319901258
13	<b>BRM141</b>	3.6469125	1 Litre	205.64732	749.9777818995
14	<b>BRM150</b>	95.1686719125	1 Sqm.	334.1310828	31798.811394762
15	<b>BRM131</b>	19.8559259325	1 Sqm.	662.9720557	13163.924033296
16	<b>BRMMR0027</b>	19.8559259325	1 Sqm	8.5	168.77537042625
17	<b>BRM029</b>	1.6546638912	1 Cum	933.85	1545.2078747971
18	<b>BRM056</b>	2.80698208704	1 Cum.	2488.53	6985.2591330617

**Total: 103286.97343367**