

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Sonepur	<b>Block</b>	Sonepur	<b>Gram Panchayat</b>	Rengali
--------------	--------	-----------------	---------	--------------	---------	-----------------------	---------

<b>Work Code</b>	OD/372/3570/121486/418949/00017030 (Maintenance of Jhankarpali Pry. School)		
<b>Project Category</b>	Building		

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Sonepur	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<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>			

**Administrative Approval Details**

<b>Approval No.</b>	
---------------------	--

**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	216880

**ACTIVITY STATEMENT**

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

1	<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	4.25048	5844.94759224	24843.832841864
---	---	-----	---------	---------------	-----------------

2	<p style="text-align: center;"><b>Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed -</b></p> <p>Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&amp;P , etc. complete as per direction of Engineer-in-charge.</p>	Sqm	53.131	1055.9365217874	56102.963339086
---	--	-----	--------	-----------------	-----------------

3	<p style="text-align: center;"><b>Flooring (AR0817aa) :</b></p> <p><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></p> <p>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	12.798	1533.602048801	19627.039020555
---	--	-----	--------	----------------	-----------------

4	<p><b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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></p>	Sqm	69.6468	270.2663531264	18823.186642924
5	<p><b>Plastering (AR1004) : First Floor - 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	Sqm	48.922	174.8931599248	8556.1231698411

6	<b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	Sqm	45.445	245.279308808	11146.71818878
---	---	-----	--------	---------------	----------------

7	<p style="text-align: center;"><b>Masonry Brick Work (AR0603bi) :</b></p> <p><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	7.77936	5079.464147432	39514.980209967
---	--	-----	---------	----------------	-----------------

8	<p style="text-align: center;"><b>Painting (AR0901di) :</b></p> <p><b>Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) -</b>  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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	44.445	72.855030353548	3238.0418240634
9	<p style="text-align: center;"><b>Painting (AR0918ca) :</b></p> <p><b>Finishing wall two coats with weather coat with one coat oilbound Primer</b>  - Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	48.922	156.86604451751	7674.2006298856

10	<p style="text-align: center;"><b>Painting (AR0922) :</b>  <b>Finishing wall two coats with distemper of approved shades on new work (Inside) -</b>  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)</p>	Sqm	45.445	78.8505283	3583.3622585935
11	<p style="text-align: center;"><b>Iron Work (AR1704) :</b>  <b>Iron Doors and windows fixing -</b>  Supplying, fitting &amp; fixing of Mild steel and put up for frames &amp; shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T &amp; P required for the work etc. as per direction of Engineer-in-charge.</p>	Qntl	1.4	16258.992543087	22762.589560322
<b>Total Amount (in Rs.): 215873.03768588</b>					

## LABOUR STATEMENT

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

1	<b>Concrete (AR0303) : 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</b>	-	4.25048	Cum
i	Skilled	0.18	0.7650864	-
ii	Un-Skilled	3.9	16.576872	-

2	<p><b>Other Building Items. (AR1901Ba) :</b>  <b>Vitrified Tile 600mmx600mm Coloured /Printed -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&amp;P , etc. complete as per direction of Engineer-in-charge.</p>	-	53.131	Sqm
i	Un-Skilled	0.216	11.476296	-
ii	Highly-Skilled	0.216	11.476296	-

3	<p><b>Flooring (AR0817aa) : 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.</b></p>	-	12.798	Sqm
i	Highly-Skilled	0.325	4.15935	-
ii	Un-Skilled	0.325	4.15935	-
iii	Semi-Skilled	0.76	9.72648	-

4	<p><b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.</b></p> <p>- 20mm thick cement Plaster in CM (1:4) over stone 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.</p>	-	69.6468	Sqm
i	Un-Skilled	0.24	16.715232	-
ii	Skilled	0.16	11.143488	-
5	<p><b>Plastering (AR1004) : First Floor - 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	-	48.922	Sqm
i	Un-Skilled	0.1236	6.0467592	-

	ii	Skilled	0.1442	7.0545524	-
6		<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.	-	45.445	Sqm
	i	Un-Skilled	0.24	10.9068	-
	ii	Skilled	0.16	7.2712	-

7	<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.	-	7.77936	Cum
i	Un-Skilled	2.96	23.0269056	-
ii	Skilled	1.05	8.168328	-
iii	Highly-Skilled	0.35	2.722776	-

8	<p><b>Painting (AR0901di)</b>  <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&amp;P required for the work complete as per direction of the Engineer-in-charge.</b></p>	-	44.445	Sqm
i	Highly-Skilled	0.053763440860215	2.3895161290323	-
ii	Un-Skilled	0.053763440860215	2.3895161290323	-
9	<p><b>Painting (AR0918ca)</b>  <b>: Finishing wall two coats with weather coat with one coat oilbound Primer -</b>  Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	-	48.922	Sqm
i	Un-Skilled	0.11776344086022	5.7612230537634	-

	ii	Highly-Skilled	0.10776344086022	5.2720030537634	-
10		<b>Painting (AR0922) :</b> <b>Finishing wall two coats with distemper of approved shades on new work (Inside)</b> - 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)	-	45.445	Sqm
	i	Highly-Skilled	0.052	2.36314	-
	ii	Un-Skilled	0.062	2.81759	-
11		<b>Iron Work (AR1704) :</b> <b>Iron Doors and windows fixing -</b> 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.	-	1.4	Qntl
	i	Un-Skilled	6.3976377952756	8.9566929133858	-

ii	Semi-Skilled	1.9685039370079	2.755905511811	-
iii	Skilled	3.9370078740157	5.511811023622	-
iv	Highly-Skilled	3.4448818897638	4.8228346456693	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
4	Skilled	39.914465823622	562	22431.929792876
2	Un-Skilled	108.83323689618	462	50280.955446036
5	Highly-Skilled	33.205915828465	612	20322.020487021
3	Semi-Skilled	12.482385511811	512	6390.9813820472
<b>Total: 99425.887107979</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	<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>4.25048</b>	Cum
i)	<b>BRM340 : Cement</b>	2.29	9.7335992	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	2.0402304	1 Cum
iii)	<b>BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)</b>	0.96	4.0804608	1 Cum.
2	<p><b>Other Building Items. (AR1901Ba)</b>  <b>:.Vitrified Tile 600mmx600mm Coloured /Printed -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&amp;P , etc. complete as per direction of Engineer-in-charge.</p>	-	<b>53.131</b>	Sqm

i)	<b>BRM132</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B 1a) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	1	53.131	1 Sqm.
ii)	<b>BRM174</b> : White Cement.	0.0076	0.4037956	1Qntl
iii)	<b>BRM340</b> : Cement	0.1074	5.7062694	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.115751	1 Cum
3	<b>Flooring (AR0817aa) :.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.</b>	-	<b>12.798</b>	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 1a) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	12.798	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	12.798	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	1.759725	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.19197	1 Cum
4	<b>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over brick work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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>69.6468</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0744	5.18172192	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.4625828	1 Cum

5	<b>Plastering (AR1004) :.First Floor - 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b>	-	<b>48.922</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	1.7514076	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	0.73383	1 Cum
6	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	-	<b>45.445</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.043	1.954135	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	0.81801	1 Cum

7	<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 $\pm 8$ 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.	-	7.77936	Cum
i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	7.77936	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	5.22772992	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	2.1782208	1 Cum
iv)	<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 <math>\pm 2</math> %</b>	350	2722.776	1000 Nos

8	<b>Painting(AR0901di)</b> : <b>Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )</b> - 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.	-	44.445	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	4.0143870967742	1 Ltr
9	<b>Painting(AR0918ca)</b> : <b>Finishing wall two coats with weather coat with one coat oilbound Primer</b> - Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	48.922	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	6.11525	1 Ltr
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	4.109448	1 Ltr

10	<b>Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside)</b> - 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)	-	45.445	Sqm
i)	<b>BRM142 : Distemper</b>	0.25	11.36125	1 Kg.
11	<b>Iron Work(AR1704) :.Iron Doors and windows fixing -</b> 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.	-	1.4	Qntl
i)	<b>BRM341 : Steel</b>	1	1.4	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	31.31458804	1 Qntl.	578.352	18110.85462211
2	<b>BRM028</b>	8.540595	1 Cum	417.99	3569.88330405
3	<b>BRM044</b>	4.0804608	1 Cum.	1726.96	7046.792583168
4	<b>BRM132</b>	53.131	1 Sqm.	706.9975001	37563.484177813
5	<b>BRM174</b>	0.4037956	1Qntl	2047.912	826.9378547872
6	<b>BRM131</b>	12.798	1 Sqm.	662.3175001	8476.3393662798
7	<b>BRMMR0027</b>	12.798	1 Sqm	8.5	108.783
8	<b>BRMMR0025</b>	7.77936	1 Cum	33	256.71888
9	<b>BRM005</b>	2722.776	1000 Nos	6.1539	16755.6912264
10	<b>BRM253</b>	4.0143870967742	1 Ltr	159.33732	639.64168144258
11	<b>BRM255</b>	6.11525	1 Ltr	195.09732	1193.06888613

12	<b>BRM252</b>	4.109448	1 Ltr	125.80732	516.99863955936
13	<b>BRM142</b>	11.36125	1 Kg.	70.40732	799.91516435
14	<b>BRM341</b>	1.4	1 Qntl.	6626.352	9276.8928
<b>Total: 105142.00218609</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	8.540595	1 Cum	170.25	1454.03629875
2	<b>BRM044</b>	4.0804608	1 Cum.	279.5	1140.4887936
3	<b>BRM005</b>	2722.776	1000 Nos	0.04025	109.591734
<b>Total: 2704.11682635</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1000	Rs. 1000
<b>Total Addition Component Amount (in Rs.): 1000</b>		

**Total Net Amount (in Rs.): 216873.03768588**