

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Jagatsinghpur	<b>Block</b>	Jagatsinghpur	<b>Gram Panchayat</b>	Khairanga

<b>Work Code</b>	OD/355/3389/118126/397978/00016895 (Repair & Maintenance of Ashrampatna Upper Pry. School)						
<b>Project Category</b>	Building						

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Jagatsinghpur	<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>	200000

### ACTIVITY STATEMENT

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

1	<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	100.5965296875	77.77	7823.3921137969
2	<p><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 specification and direction of Engineer-in charge. (Old Work)</p>	Sqm	104.6610359375	787.4713382634	82417.566033737

3	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b>  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.</p>	Sqm	22.4115109468	171.0209583756	3832.838080767
---	--	-----	---------------	----------------	----------------

4	<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	188.9182505	71.83248932951	13570.468213191
5	<p style="text-align: center;"><b>Painting (AR0901ai) :</b>  <b>Priming one coat in outer surface with primer of approved quality over woodwork -</b>  Priming one coat in outer surface with primer of approved quality over woodwork 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	159.27383223	70.08544099121	11162.7767702

6	<p style="text-align: center;"><b>Painting (AR0921) :</b>  <b>Finishing wall One Coat with distemper of approved shades on old work (Inside) -</b>          Finishing wall One Coat with distemper of approved shades on old 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	212.02601369	50.8572838842	10783.067169068
7	<p style="text-align: center;"><b>Painting (AR0918fk) :</b>  <b>Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(F or 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)(F or repair and maintenance).</p>	Sqm	124.50488448	89.1305342875	11097.186875106

8	<p style="text-align: center;"><b>Flooring (AR0816) :</b></p> <p><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 Enginer-in- charge.</p>	Sqm	5.6206315	1213.1180421644	6818.4894810076
---	---	-----	-----------	-----------------	-----------------

9	<p style="text-align: center;"><b>Flooring (AR0817b) :</b></p> <p><b>Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) -</b> Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	Sqm	24.74657211	886.975347736	21949.599402541
---	--	-----	-------------	---------------	-----------------

10	<p align="center"><b>Iron Work (AR1704) : Iron Doors and windows fixing -</b></p> <p>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	0.98	16256.194035087	15931.070154385
<b>Total Amount (in Rs.): 185386.4542938</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<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>	-	100.5965296875	Sqm
i	Un-Skilled	0.16666666666667	16.76608828125	-

2	<p><b>Concrete (AR0318) : 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)</b></p>	-	104.6610359375	Sqm
i	Un-Skilled	1.008	105.498324225	-
ii	Highly-Skilled	0.165	17.269070929688	-
3	<p><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></p>	-	22.4115109468	Sqm

	i	Un-Skilled	0.12	2.689381313616	-
	ii	Skilled	0.14	3.137611532552	-
4		<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&P required for the work complete as per direction of the Engineer-in-charge.	-	188.9182505	Sqm
	i	Highly-Skilled	0.053763440860215	10.156895188172	-
	ii	Un-Skilled	0.053763440860215	10.156895188172	-

5	<p><b>Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork</b> - Priming one coat in outer surface with primer of approved quality over woodwork 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>	-	159.27383223	Sqm
i	Highly-Skilled	0.053763440860215	8.5631092596774	-
ii	Un-Skilled	0.053763440860215	8.5631092596774	-
6	<p><b>Painting (AR0921) : Finishing wall One Coat with distemper of approved shades on old work (Inside)</b> - Finishing wall One Coat with distemper of approved shades on old 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>	-	212.02601369	Sqm
i	Un-Skilled	0.04	8.4810405476	-
ii	Highly-Skilled	0.033	6.99685845177	-

7	<b>Painting (AR0918fk) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) . - 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).</b>	-	124.50488448	Sqm
i	Un-Skilled	0.06528	8.1276788588544	-
ii	Highly-Skilled	0.05508	6.8577290371584	-

8	<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 Enginer-in-charge.</p>	-	5.6206315	Sqm
i	Un-Skilled	0.216	1.214056404	-
ii	Highly-Skilled	0.216	1.214056404	-
iii	Semi-Skilled	0.55	3.091347325	-

9	<p><b>Flooring (AR0817b)</b>  <b>: Fixing ceramic tiles</b>  <b>(20cmx30cm /</b>  <b>20cmx20cm special</b>  <b>plain/printed series</b>  <b>ceramic wall tiles of</b>  <b>premium grade</b>  <b>having thickness</b>  <b>6.5mm to 6.7mm</b>  <b>confirming to IS</b>  <b>13753) - Fixing</b>  ceramic tiles  (20cmx30cm /  20cmx20cm special  plain/printed series  ceramic wall tiles of  premium grade having  thickness 6.5mm to  6.7mm confirming to  IS 13753) in wall  cladding on 12mm  thick cement plaster  (1:3) jointed with neat  cement slurry mixed  with pigments to  match the shade of the  ceramic tiles  including rubbing and  polishing, cost of  precast tiles complete  as per direction of  Engineer-in-charge.</p>	-	24.74657211	Sqm
i	Un-Skilled	0.325	8.04263593575	-
ii	Highly-Skilled	0.325	8.04263593575	-

10	<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.	-	0.98	Qntl
i	Un-Skilled	6.3976377952756	6.2696850393701	-
ii	Semi-Skilled	1.9685039370079	1.9291338582677	-
iii	Skilled	3.9370078740157	3.8582677165354	-
iv	Highly-Skilled	3.4448818897638	3.3759842519685	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	175.80889505329	462	81223.70951462
5	Highly-Skilled	62.476339458184	612	38235.519748409
4	Skilled	6.9958792490874	562	3931.6841379871
3	Semi-Skilled	5.0204811832677	512	2570.4863658331
<b>Total: 125961.39976685</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Dismantling (AR1621)</b> <b>::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>100.5965296875</b>	Sqm
2	<b>Concrete (AR0318)</b> <b>::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 specificaion and direction of Engineer-in charge. (Old Work)	-	<b>104.6610359375</b>	Sqm
i)	<b>BRM340</b> : Cement	0.1287	13.469875325156	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.883898646875	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	1.883898646875	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	1.883898646875	1 Cum.
3	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside</b> - 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.	-	<b>22.4115109468</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	0.80233209189544	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.336172664202	1 Cum
4	<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&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>188.9182505</b>	Sqm

i)	<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.084	15.869133042	1 Ltr
5	<b>Painting(AR0901ai) :.Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer surface with primer of approved quality over woodwork 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>	-	<b>159.27383223</b>	Sqm
i)	<b>BRM138 : Wood Primer</b>	0.075	11.94553741725	1 Litre
6	<b>Painting(AR0921) :.Finishing wall One Coat with distemper of approved shades on old work (Inside) - Finishing wall One Coat with distemper of approved shades on old 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>	-	<b>212.02601369</b>	Sqm
i)	<b>BRM142 : Distemper</b>	0.166	35.19631827254	1 Kg.

7	<b>Painting(AR0918fk)</b> <b>:.Finishing wall with</b> <b>two coat weather</b> <b>coat paint of</b> <b>approved shade in</b> <b>the outer surface of</b> <b>old</b> <b>work(Outside)(For</b> <b>repair and</b> <b>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).	-	124.50488448	Sqm
i)	<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	15.56311056	1 Ltr

8	<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 Enginer-in-charge.</p>	-	5.6206315	Sqm
i)	<b>BRMMR0027 : Wax Polish</b>	1	5.6206315	1 Sqm
ii)	<b>BRM130 : 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</b>	1	5.6206315	1 Sqm.
iii)	<b>BRM340 : Cement</b>	0.2737	1.53836684155	1 Qntl.
iv)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.013	0.0730682095	1 Cum

9	<p><b>Flooring (AR0817b)</b>  <b>:.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</b></p>	-	24.74657211	Sqm
i)	<p><b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	24.74657211	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	3.402653665125	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.37119858165	1 Cum

10	<b>Iron Work(AR1704) :.Iron Doors and windows fixing - 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.</b>	-	0.98	Qntl
i)	<b>BRM341 : Steel</b>	1	0.98	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	19.213227923727	1 Qntl.	613.327	11783.991442776
2	<b>BRM028</b>	2.664338102227	1 Cum	412.82	1099.8920553614
3	<b>BRM064</b>	1.883898646875	1 Cum.	2172.11	4092.0350898637
4	<b>BRM056</b>	1.883898646875	1 Cum.	2718.53	5121.4349884891
5	<b>BRM253</b>	15.869133042	1 Ltr	159.27787	2527.6017096764
6	<b>BRM138</b>	11.94553741725	1 Litre	155.32787	1855.4748830267
7	<b>BRM142</b>	35.19631827254	1 Kg.	70.34787	2475.9860223153
8	<b>BRM255</b>	15.56311056	1 Ltr	195.03787	3035.3959341969
9	<b>BRMMR0027</b>	5.6206315	1 Sqm	8.5	47.77536775
10	<b>BRM130</b>	5.6206315	1 Sqm.	459.6811111	2583.6981330037
11	<b>BRM129</b>	24.74657211	1 Sqm.	414.8011111	10264.905607144
12	<b>BRM341</b>	0.98	1 Qntl.	6623.097	6490.63506
<b>Total: 51378.826293603</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	2.664338102227	1 Cum	77.25	205.82011839704
2	<b>BRM064</b>	1.883898646875	1 Cum.	444.5	837.39294853594
3	<b>BRM056</b>	1.883898646875	1 Cum.	444.5	837.39294853594
<b>Total: 1880.6060154689</b>					

## ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
--------	-----------	-----------------

1	Provision for PH Work @ Rs. 11759	Rs. 11759
2	Provision for Contingency @ 1%	Rs. 1853.864542938
3	Display Citizen Board @ Rs. 1000	Rs. 1000
<b>Total Addition Component Amount (in Rs.): 14612.864542938</b>		

**Total Net Amount (in Rs.): 199999.31883674**