

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Jagatsinghpur	Gram Panchayat	Balarampur

Work Code	OD/355/3389/118120/397957/00013701 (Repair & Maintenance of Balarampur Pry. School)						
Project Category	Building						

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Jagatsinghpur	Proposal Date	11-02-2024
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Elementary School	Project Type	New Work
Name of Executant			

### Administrative Approval Details

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

### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	19582
Fund Sanction Amount (in Rs.)	175000

### ACTIVITY STATEMENT

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

1	<p><b>Other Building Items. (AR1901A) : Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin - Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)</b></p>	Sqm	59.14576592	2102.965500903	124381.50525424
---	---	-----	-------------	----------------	-----------------

2	<p style="text-align: center;"><b>Flooring (AR0817bk) : 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)(For repair and maintenance)</b></p> <p>- 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(For repair and maintenance) .</p>	Sqm	3.780976699136	886.975347736	3353.6331224979
---	---	-----	----------------	---------------	-----------------

3	<p><b>Plastering (AR1044ik) : 16mm thick cement plaster (1:6) over Brick work in the well steining including racking(For repair and maintenance). - 16mm thick cement plaster (1:6) over Brick work in the well steining 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(For repair and maintenance).</b></p>	Sqm	2.476422368	1278.737106026	3166.6931721544
4	<p><b>Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance). - 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)(For Repair and maintenance)</b></p>	Sqm	86.681662904568	80.056970775	6939.4713538794

5	<p style="text-align: center;"><b>Painting (AR0918gk) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance) . -</b></p> <p>Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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)(For repair and maintenance).</p>	Sqm	179.33817582367	159.28472551378	28565.832110215
6	<p style="text-align: center;"><b>Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface -</b></p> <p>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>	Sqm	25.762373512	230.34345832053	5934.1942092993
<b>Total Amount (in Rs.): 172341.32922229</b>					

**LABOUR STATEMENT**

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>Other Building Items. (AR1901A) :</b>  <b>Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin -</b>  Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)</p>	-	59.14576592	Sqm
i	Un-Skilled	0.216	12.77548543872	-
ii	Highly-Skilled	0.216	12.77548543872	-

2	<p><b>Flooring (AR0817bk)</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) in wall</b>  <b>cladding on 12mm</b>  <b>thick cement plaster</b>  <b>(1:3)(For repair and</b>  <b>maintenance) - 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(For repair and  maintenance) .</p>	-	3.780976699136	Sqm
i	Un-Skilled	0.325	1.2288174272192	-
ii	Highly-Skilled	0.325	1.2288174272192	-

3	<p><b>Plastering (AR1044ik) : 16mm thick cement plaster (1:6) over Brick work in the well steining including racking(For repair and maintenance).</b> -  16mm thick cement plaster (1:6) over Brick work in the well steining 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(For repair and maintenance).</p>	-	2.476422368	Sqm
i	Un-Skilled	1.7748	4.3951544187264	-
ii	Highly-Skilled	0.51	1.26297540768	-
iii	Skilled	0.1632	0.4041521304576	-
4	<p><b>Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance).</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)(For Repair and maintenance)</p>	-	86.681662904568	Sqm

	i	Highly-Skilled	0.05304	4.5975954004583	-
	ii	Un-Skilled	0.06324	5.4817483620849	-
5		<p><b>Painting (AR0918gk) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance) . -</b></p> <p>Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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)(For repair and maintenance).</p>	-	179.33817582367	Sqm
	i	Un-Skilled	0.12011870967742	21.541870275841	-
	ii	Highly-Skilled	0.10991870967742	19.71262088244	-

6	<b>Painting (AR0903b) : 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.	-	25.762373512	Sqm
i	Highly-Skilled	0.18817204301075	4.8477584565591	-
ii	Un-Skilled	0.17204301075269	4.4322363031398	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	49.855312225732	462	23033.154248288
2	Highly-Skilled	44.425253013077	612	27188.254844003
3	Skilled	0.4041521304576	562	227.13349731717
<b>Total:</b>				<b>50448.542589608</b>

## MATERIAL STATEMENT

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

1	<p><b>Other Building Items. (AR1901A)</b>  <b>:.Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin -</b>  Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)</p>	-	59.14576592	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.449507820992	1Qntl
ii)	<b>BRM256</b> : Adhesive (I.S.I.)	5.4	319.387135968	1 Kg
iii)	<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	59.14576592	1 Sqm.

2	<p><b>Flooring (AR0817bk)</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) in wall cladding on 12mm thick cement plaster (1:3)(For repair and maintenance) - 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(For repair and maintenance) .</b></p>	-	3.780976699136	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	3.780976699136	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	0.5198842961312	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.05671465048704	1 Cum

3	<p><b>Plastering (AR1044ik)</b>  <b>:.16mm thick cement plaster (1:6) over Brick work in the well steining including racking(For repair and maintenance).</b> -  16mm thick cement plaster (1:6) over Brick work in the well steining 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(For repair and maintenance).</p>	-	2.476422368	Sqm
i)	<b>BRM340</b> : Cement	0.043	0.106486161824	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.044575602624	1 Cum
4	<p><b>Painting(AR0922k)</b>  <b>:.Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance).</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)(For Repair and maintenance)</p>	-	86.681662904568	Sqm
i)	<b>BRM142</b> : Distemper	0.25	21.670415726142	1 Kg.

5	<b>Painting(AR0918gk)</b> <b>:.Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance) . -</b> Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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)(For repair and maintenance).	-		<b>179.33817582367</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125		22.417271977959	1 Ltr
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084		15.064406769188	1 Ltr
6	<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.	-		<b>25.762373512</b>	Sqm
i)	<b>BRM137</b> : Red oxide Primer	0.054		1.391168169648	1 Litre
ii)	<b>BRM141</b> : Enamel paint	0.125		3.220296689	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM174</b>	0.449507820992	1Qntl	2041.967	917.88013670757
2	<b>BRM256</b>	319.387135968	1 Kg	217.4	69434.763359443
3	<b>BRM131</b>	59.14576592	1 Sqm.	660.6811111	39076.490344886

4	<b>BRM129</b>	3.780976699136	1 Sqm.	414.8011111	1568.3533358448
5	<b>BRM340</b>	0.6263704579552	1 Qntl.	613.327	384.16991386629
6	<b>BRM028</b>	0.10129025311104	1 Cum	412.82	41.8146422893
7	<b>BRM142</b>	21.670415726142	1 Kg.	70.34787	1524.4675883486
8	<b>BRM255</b>	22.417271977959	1 Ltr	195.03787	4372.2169777918
9	<b>BRM252</b>	15.064406769188	1 Ltr	125.74787	1894.317064039
10	<b>BRM137</b>	1.391168169648	1 Litre	142.94787	198.86452666298
11	<b>BRM141</b>	3.220296689	1 Litre	205.58787	662.05393705956
<b>Total: 120075.39182694</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	0.10129025311104	1 Cum	77.25	7.8246720528278
<b>Total: 7.8246720528278</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1500	Rs. 1500
2	Display Citizen Board @ Rs. 1158	Rs. 1158
<b>Total Addition Component Amount (in Rs.): 2658</b>		

**Total Net Amount (in Rs.): 174999.32922229**