

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Bissamcuttack	Gram Panchayat	Sahada

Work Code	OD/370/3547/121124/425349/00069218 (REPAIR AND MAINTANANCE OF UP SCHOOL DARUKONA)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bissamcuttack	Proposal Date	-
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.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	200000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p><b>Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof -</b> Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	54.825	112.89193548387	6189.3003629032
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	54.825	733.0242596976	40188.055037921

3	<p><b>Dismantling (AR1613) : Removing old lime or cement plaster -</b>          Removing old lime or cement plaster from walls including racking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	127.38	50.174193548387	6391.1887741935
4	<p><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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	129.78	242.936882064	31528.348554266

5	<p style="text-align: center;"><b>Painting (AR0901a) :</b>  <b>Priming one coat in inner surface with primer of approved quality over woodwork -</b>  Priming one coat in inner 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	182.8025	70.08994432871	12812.617048149
6	<p style="text-align: center;"><b>Painting (AR0919) :</b>  <b>Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) -</b>  Finishing wall One Coat with plastic emulsion paint 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	182.8025	61.22776449	11192.588418183

7	<p 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	6.5565	5227.50850192	34274.159492838
8	<p align="center"><b>Other Building Items. (AR1901B) :</b>  <b>Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory 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 materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in- charge(for new work only)</p>	Sqm	47.29	1006.4351634082	47594.318877574

9	<p align="center"><b>Painting (AR0903i) :</b>  <b>Painting two coats of enamel paint in outer surface paint (outer surface) -</b>  Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	11.745	164.23523221452	1928.9428023595
<b>Total Amount (in Rs.): 192099.51936839</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>Dismantling (AR1620) :</b>  <b>Dismantling and removing 2.5 cm thick grading concrete from roof -</b> Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	54.825	Sqm
i	Un-Skilled	0.24193548387097	13.264112903226	-

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 specifaion and direction of Engineer-in-charge. (Old Work)</b></p>	-	54.825	Sqm
i	Un-Skilled	1.008	55.2636	-
ii	Highly-Skilled	0.165	9.046125	-
3	<p><b>Dismantling (AR1613) : Removing old lime or cement plaster - 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.</b></p>	-	127.38	Sqm
i	Un-Skilled	0.10752688172043	13.696774193548	-

4	<p><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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	129.78	Sqm
i	Un-Skilled	0.24	31.1472	-
ii	Skilled	0.16	20.7648	-
5	<p><b>Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork</b> - Priming one coat in inner 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>	-	182.8025	Sqm
i	Highly-Skilled	0.053763440860215	9.8280913978495	-
ii	Un-Skilled	0.053763440860215	9.8280913978495	-

6	<p><b>Painting (AR0919) :</b>  <b>Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) -</b>          Finishing wall One Coat with plastic emulsion paint 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>	-	182.8025	Sqm
i	Un-Skilled	0.043	7.8605075	-
ii	Highly-Skilled	0.036	6.58089	-
7	<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>	-	6.5565	Cum
i	Skilled	0.18	1.18017	-
ii	Un-Skilled	3.9	25.57035	-

8	<p><b>Other Building Items. (AR1901B) :</b>  <b>Vitrified Tile</b>  <b>600mmx600mm Plain Ivory</b> - Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory 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 materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	47.29	Sqm
i	Un-Skilled	0.216	10.21464	-
ii	Highly-Skilled	0.216	10.21464	-
9	<p><b>Painting (AR0903i) :</b>  <b>Painting two coats of enamel paint in outer surface paint (outer surface)</b> - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	-	11.745	Sqm
i	Highly-Skilled	0.13440860215054	1.5786290322581	-
ii	Un-Skilled	0.11827956989247	1.3891935483871	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	168.23446954301	462	77724.324928871
2	Highly-Skilled	37.248375430108	612	22796.005763226
3	Skilled	21.94497	562	12333.07314
				<b>Total: 112853.4038321</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Dismantling (AR1620)</b> .:Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	<b>54.825</b>	Sqm
2	<b>Concrete (AR0318)</b> .: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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)	-	<b>54.825</b>	Sqm
i)	<b>BRM340</b> : Cement	0.1287	7.0559775	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.98685	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	0.98685	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	0.98685	1 Cum.
3	<b>Dismantling (AR1613)</b> :.Removing old lime or cement plaster - 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.	-	<b>127.38</b>	Sqm
4	<b>Plastering (AR1014)</b> :.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 & P required for the work etc comp.and as per direction of Engineer-in-charge.	-	<b>129.78</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	5.58054	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	2.33604	1 Cum

5	<b>Painting(AR0901a)</b> :.Priming one coat in inner surface with primer of approved quality over <b>woodwork</b> - Priming one coat in inner surface with primer of approved quality over woodwork 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>182.8025</b>	Sqm
i)	<b>BRM138</b> : Wood Primer	0.075	13.7101875	1 Litre
6	<b>Painting(AR0919)</b> :.Finishing wall One Coat with plastic emulsion paint of approved shades on <b>old work (Inside)</b> - Finishing wall One Coat with plastic emulsion paint 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>182.8025</b>	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.075	13.7101875	1 Litre
7	<b>Concrete (AR0303)</b> :.Cement concrete (1:3:6) with 4 cm. <b>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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>6.5565</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	15.014385	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	3.14712	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	6.29424	1 Cum.
8	<b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b> Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory 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 materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)	-	47.29	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.359404	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	5.078946	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.99309	1 Cum
iv)	<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	47.29	1 Sqm.
9	<b>Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) -</b> Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	11.745	Sqm

i)	BRM141 : Enamel paint	0.125	1.468125	1 Litre
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	32.7298485	1 Qntl.	600.692	19660.558155162
2	BRM028	7.4631	1 Cum	417.99	3119.501169
3	BRM064	0.98685	1 Cum.	1191.31	1175.6442735
4	BRM056	0.98685	1 Cum.	1737.73	1714.8788505
5	BRM138	13.7101875	1 Litre	155.38732	2130.3892923225
6	BRM140	13.7101875	1 Litre	249.64732	3422.7115660725
7	BRM044	6.29424	1 Cum.	1291.11	8126.5562064
8	BRM174	0.359404	1Qntl	2047.912	736.027764448
9	BRM131	47.29	1 Sqm.	662.3175001	31320.994579729
10	BRM141	1.468125	1 Litre	205.64732	301.915971675

**Total: 71709.177828809**

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	7.4631	1 Cum	109.25	815.343675
2	BRM064	0.98685	1 Cum.	176.8	174.47508
3	BRM056	0.98685	1 Cum.	176.8	174.47508
4	BRM044	6.29424	1 Cum.	176.8	1112.821632

**Total: 2277.115467**

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1920.9951936839
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 3978	Rs. 3978

**Total Addition Component Amount (in Rs.): 7898.9951936839**

**Total Net Amount (in Rs.): 199998.51456207**