

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Sohella	Gram Panchayat	Kalangapalli

Work Code	OD/347/3321/116564/380158/00040379 (IMPROVEMENT OF SIDHIRA UPPER PRIMARY SCHOOL)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Sohella	Proposal Date	-
Date of Commencement	30-03-2026	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	Repair and Maintenance
Name of Executant	SUDHIR KUMAR NATH		

Administrative Approval Details

Approval No.	OD/347/3321/116564/380158/00040379/AS
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Technical Sanction Details

Technical Sanction No.	OD/347/3321/116564/380158/00040379/TS
Fund Sanction No.	27871
Fund Sanction Amount (in Rs.)	250000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - 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.	-	4.5375	Cum
i	Un-Skilled	0.1236	0.560835	-

2	<p>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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	1.78125	Cum
i	Skilled	0.18	0.320625	-
ii	Un-Skilled	3.9	6.946875	-
3	<p>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 & P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	42.64	Sqm
i	Un-Skilled	0.24	10.2336	-
ii	Skilled	0.16	6.8224	-

4	<p>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 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.</p>	-	43.96	Sqm
i	Un-Skilled	0.12	5.2752	-
ii	Skilled	0.14	6.1544	-
5	<p>Iron Work (AR1702) : Iron work wrought and put up in window grating including drilling holes in choukathas - Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.</p>	-	1.21	Qntl
i	Semi-Skilled	1.4763779527559	1.7864173228346	-
ii	Skilled	1.4763779527559	1.7864173228346	-

6	<p>Painting (AR0901d) : 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.</p>	-	16.79	Sqm
i	Highly-Skilled	0.053763440860215	0.90268817204301	-
ii	Un-Skilled	0.053763440860215	0.90268817204301	-
7	<p>Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface - 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>	-	8.19	Sqm
i	Highly-Skilled	0.18817204301075	1.5411290322581	-
ii	Un-Skilled	0.17204301075269	1.4090322580645	-

8	<p>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint 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>	-	16.79	Sqm
i	Highly-Skilled	0.054	0.90666	-
ii	Un-Skilled	0.064	1.07456	-
9	<p>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound 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>	-	43.96	Sqm
i	Un-Skilled	0.11776344086022	5.1768808602151	-
ii	Highly-Skilled	0.10776344086022	4.7372808602151	-

10	<p>Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	7.35	Sqm
i	Un-Skilled	0.12	0.882	-
ii	Skilled	0.14	1.029	-
11	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p>	-	7.488	Cum
i	Un-Skilled	0.516	3.863808	-

12	Masonry Brick Work (AR0603d) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² 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&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	3.4428	Cum
i	Un-Skilled	2.96	10.190688	-
ii	Skilled	1.05	3.61494	-
iii	Highly-Skilled	0.35	1.20498	-

13	<p>Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² 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&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	10.08125	Cum
i	Un-Skilled	2.96	29.8405	-
ii	Skilled	1.05	10.5853125	-
iii	Highly-Skilled	0.35	3.5284375	-

14	R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	0.83256	Cum
i	Un-Skilled	1.3333	1.110052248	-
ii	Skilled	0.175	0.145698	-
iii	Semi-Skilled	0.1323	0.110147688	-

15	R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	0.556875	Cum
i	Un-Skilled	1.3333	0.7424814375	-
ii	Skilled	0.35	0.19490625	-
iii	Semi-Skilled	0.3073	0.1711276875	-

16	R.C.C. Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	0.7	Cum
i	Un-Skilled	1.3333	0.93331	-
ii	Skilled	5.33875	3.737125	-
iii	Semi-Skilled	5.29605	3.707235	-

17	R.C.C. Work (AR0404Ad) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	0.88875	Cum
i	Un-Skilled	1.3333	1.184970375	-
ii	Skilled	2.34375	2.0830078125	-
iii	Semi-Skilled	2.30105	2.0450581875	-

18	R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	1.55925	Cum
i	Un-Skilled	1.3333	2.078948025	-
ii	Skilled	3.15525	4.9198235625	-
iii	Semi-Skilled	3.11255	4.8532435875	-

19	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 - 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.	-	4.338	Qntl
i	Un-Skilled	0.8	3.4704	-
ii	Highly-Skilled	0.3	1.3014	-
iii	Semi-Skilled	0.044	0.190872	-

20	<p>Flooring (AR0817b) : 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.</p>	-	19.92	Sqm
i	Un-Skilled	0.325	6.474	-
ii	Highly-Skilled	0.325	6.474	-

21	<p>Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge</p>	-	7.35	Sqm	
	i	Highly-Skilled	0.325	2.38875	-
	ii	Un-Skilled	0.325	2.38875	-
	iii	Semi-Skilled	0.76	5.586	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	94.739579375823	462	43769.68567163
1	Skilled	41.393655447835	562	23263.234361683
2	Semi-Skilled	18.450101473335	512	9446.4519543473
3	Highly-Skilled	22.985325564516	612	14067.019245484

Total: 90546.391233144