

ESTIMATION DPR							
State	Odisha	District	Angul	Block	Kaniha	Gram Panchayat	Biru

Work Code	OD/344/3280/115671/403880/00043003 (Repair and Maintenance of Kasia primary School)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Kaniha	Proposal Date	-
Date of Commencement	03-02-2026	Date of Completion	08-04-2026
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	Sangram Keshari P Debata		

Administrative Approval Details

Approval No.	OD/344/3280/115671/403880/00043003/AS
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Technical Sanction Details

Technical Sanction No.	OD/344/3280/115671/403880/00043003/TS
Fund Sanction No.	34989
Fund Sanction Amount (in Rs.)	300000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Dismantling (AR1620) : 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.	-	49.5	Sqm
i	Un-Skilled	0.24193548387097	11.975806451613	-

2	<p>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&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (Old Work)</p>	-	49.5	Sqm
i	Un-Skilled	1.008	49.896	-
ii	Highly-Skilled	0.165	8.1675	-
3	<p>Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	47.45	Sqm
i	Un-Skilled	0.21505376344086	10.204301075269	-

4	<p>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory - 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)</p>	-	52.1985	Sqm
i	Un-Skilled	0.216	11.274876	-
ii	Highly-Skilled	0.216	11.274876	-
5	<p>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	5.04	Sqm
i	Un-Skilled	0.216	1.08864	-
ii	Highly-Skilled	0.216	1.08864	-

	iii	Semi-Skilled	0.55	2.772	-
6		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.	-	43.412	Sqm
	i	Un-Skilled	0.10752688172043	4.6679569892473	-
7		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	-	2.8656	Cum
	i	Un-Skilled	0.516	1.4786496	-

8	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.	-	2.025475	Cum
i	Un-Skilled	0.1236	0.25034871	-
9	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.	-	1.09675	Cum
i	Skilled	0.18	0.197415	-
ii	Un-Skilled	3.9	4.277325	-

10	Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash 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.	-	1.31841	Cum
i	Un-Skilled	2.96	3.9024936	-
ii	Skilled	1.05	1.3843305	-
iii	Highly-Skilled	0.35	0.4614435	-

11	<p>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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>	-	3.6497	Cum
i	Un-Skilled	2.96	10.803112	-
ii	Skilled	1.05	3.832185	-
iii	Highly-Skilled	0.35	1.277395	-
12	<p>Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.</p>	-	6.1915	Sqm
i	Un-Skilled	0.36	2.22894	-
ii	Highly-Skilled	0.13	0.804895	-

13	<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>	-	61.4838	Sqm
i	Un-Skilled	0.12	7.378056	-
ii	Skilled	0.14	8.607732	-
14	<p>miscellaneous (ARM075) : G.I. sheet gutter upto 30cm wide including fixing with clamps and making connection with rain water pipes, etc.complete.(Roofing) and as directed by Engineer-in-Charge. - G.I. sheet gutter upto 30cm wide including fixing with clamps and making connection with rain water pipes, etc.complete.(Roofing) and as directed by Engineer-in-Charge.</p>	-	42.671998634496	Rmt

15	Iron Work (AR1704) : Iron Doors and windows fixing - 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.	-	2.27028468	Qntl
i	Un-Skilled	6.3976377952756	14.524459074803	-
ii	Semi-Skilled	1.9685039370079	4.4690643307087	-
iii	Skilled	3.9370078740157	8.9381286614173	-
iv	Highly-Skilled	3.4448818897638	7.8208625787402	-
16	Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge	-	5.6387998195584	Rmt

	i	Semi-Skilled	0.27300613496933	1.5394269446034	-
	ii	Highly-Skilled	0.27300613496933	1.5394269446034	-
17		Painting (AR0919ak) : Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with plastic emulsion paint of approved shades with one coat oilbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in- charge.(Inside)(For repair and maintenance)	-	147.7557	Sqm
	i	Un-Skilled	0.098698709677419	14.583296937484	-
	ii	Highly-Skilled	0.091558709677419	13.528321239484	-

18	<p>Painting (AR0918g) : 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) - 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)</p>	-	237.5208	Sqm
	i Un-Skilled	0.11776344086022	27.971266683871	-
	ii Highly-Skilled	0.10776344086022	25.596058683871	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	176.50552812229	462	81545.553992497
1	Highly-Skilled	71.559418946698	612	43794.364395379
2	Semi-Skilled	8.780491275312	512	4495.6115329598
3	Skilled	22.959791161417	562	12903.402632717
Total:				142738.93255355