

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Hatadihi	Gram Panchayat	Bancho

Work Code	OD/361/3449/119387/387061/00066679 (repair and maint. of barahi PM School at bancho)						
Project Category	Building						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Hatadihi	Proposal Date	13-10-2025
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.)	230000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)</p> <p>- 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 specification and direction of Engineer-in-charge. (Old Work)</p>	Sqm	78.03852	755.2312564122	58937.129508149
2	<p>Dismantling (AR1620) :</p> <p>Second floor - 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	78.03852	124.46335887097	9712.9363205194

3	<p>miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. -</p> <p>Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	317.3200070568	5.12	1624.6784361308
4	<p>Painting (AR0905) : Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)</p>	Sqm	20.97285225	164.23523221452	3444.4812594796

5	<p style="text-align: center;">Painting (AR0921bk) : Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound 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).</p>	Sqm	177.36297536	124.65242663548	22108.725273913
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6	<p style="text-align: center;">Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance). -</p> <p>Finishing wall with two coats weather coat paint of approved shade including one coat of water 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	138.2954058	163.15945730032	22564.203357456
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7	<p align="center">Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	1.159856128	7349.66267538	8524.5512927724
8	<p align="center">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>	Sqm	47.566336	1013.8022235174	48222.857201376

9	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.	Sqm	47.566336	100.34838709677	4773.205097703
Total Amount (in Rs.): 179912.7677475					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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 specification and direction of Engineer-in-charge. (Old Work)	-	78.03852	Sqm
i	Un-Skilled	1.008	78.66282816	-
ii	Highly-Skilled	0.165	12.8763558	-

2	Dismantling (AR1620) : Second floor - 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.	-	78.03852	Sqm
i	Un-Skilled	0.26673387096774	20.815516524194	-
3	miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	317.3200070568	Sqm
4	Painting (AR0905) : Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	20.97285225	Sqm
i	Highly-Skilled	0.13440860215054	2.8189317540323	-

	ii	Un-Skilled	0.11827956989247	2.4806599435484	-
5		Painting (AR0921bk) : Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound 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).	-	177.36297536	Sqm
	i	Un-Skilled	0.095638709677419	16.962766107978	-
	ii	Highly-Skilled	0.088498709677419	15.696394463908	-

6	<p>Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with two coats weather coat paint of approved shade including one coat of water 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>	-	138.2954058	Sqm
i	Un-Skilled	0.12011870967742	16.611865699011	-
ii	Highly-Skilled	0.10991870967742	15.201252559851	-
7	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specifaion and direction of Engineer-in charge.</p>	-	1.159856128	Cum

	i	Un-Skilled	4.6	5.3353381888	-
	ii	Skilled	0.68	0.78870216704	-
8		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)	-	47.566336	Sqm
	i	Un-Skilled	0.216	10.274328576	-
	ii	Highly-Skilled	0.216	10.274328576	-
9		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.	-	47.566336	Sqm
	i	Un-Skilled	0.21505376344086	10.229319569892	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	161.37262276942	462	74554.151719474
2	Highly-Skilled	56.867263153791	612	34802.76505012
3	Skilled	0.78870216704	562	443.25061787648
Total:				109800.16738747

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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 specificaion and direction of Engineer-in charge. (Old Work)	-	78.03852	Sqm
i)	BRM340 : Cement	0.1287	10.043557524	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.40469336	1 Cum
iii)	BRM064 : 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	1.40469336	1 Cum.

iv)	BRM056 : 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	1.40469336	1 Cum.
2	Dismantling (AR1620) :.Second floor - 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.	-	78.03852	Sqm
3	miscellaneous(ARM12 2) :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	317.3200070568	Sqm
i)	BRMM122 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	317.3200070568	Sqm
4	Painting(AR0905) :.Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	20.97285225	Sqm

i)	BRM141 : Enamel paint	0.125	2.62160653125	1 Litre
5	Painting(AR0921bk) :Finishing wall One Coat with distemper of approved shades with one coat water bound Primer on old work (Inside)(For repair and maintenance). - Finishing wall One Coat with distemper of approved shades with one coat water bound 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).	-	177.36297536	Sqm
i)	BRM142 : Distemper	0.166	29.44225390976	1 Kg.
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	14.89848993024	1 Ltr
6	Painting(AR0918hk) :Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with two coats weather coat paint of approved shade including one coat of water 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).	-	138.2954058	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	17.286925725	1 Ltr

ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	12.491197943226	1 Ltr
7	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specificaion and direction of Engineer-in charge.	-	1.159856128	Cum
i)	BRM340 : Cement	3.23	3.74633529344	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.5219352576	1 Cum
iii)	BRM056 : 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)	0.9	1.0438705152	1 Cum.
8	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)	-	47.566336	Sqm

i)	BRM174 : White Cement.	0.0076	0.3615041536	1Qntl
ii)	BRM340 : Cement	0.1074	5.1086244864	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.998893056	1 Cum
iv)	BRM131 : 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	47.566336	1 Sqm.
9	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.	-	47.566336	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	18.89851730384	1 Qntl.	592.307	11193.724088686
2	BRM028	2.9255216736	1 Cum	731.61	2140.3409116225
3	BRM064	1.40469336	1 Cum.	1581.91	2222.0984731176
4	BRM056	2.4485638752	1 Cum.	2101.71	5146.1711821466
5	BRMM122	317.3200070568	Sqm	5.12	1624.6784361308
6	BRM141	2.62160653125	1 Litre	205.64732	539.12635724606
7	BRM142	29.44225390976	1 Kg.	70.40732	2072.9501925457
8	BRM253	27.389687873466	1 Ltr	159.33732	4364.1994613945
9	BRM255	17.286925725	1 Ltr	195.09732	3372.6328799866
10	BRM174	0.3615041536	1Qntl	2041.967	738.17955201413
11	BRM131	47.566336	1 Sqm.	662.3175001	31504.016748437
Total: 64918.118283327					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.9255216736	1 Cum	190.25	556.5804984024
2	BRM064	1.40469336	1 Cum.	244.5	343.44752652

3	BRM056	2.4485638752	1 Cum.	244.5	598.6738674864
					Total: 1498.7018924088

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 16288.1	Rs. 16288.1
2	Provision for EI Work @ Rs. 15000	Rs. 15000
3	Provision for Contingency @ 1%	Rs. 1799.127677475
4	Display Citizen Board @ Rs. 2000	Rs. 2000
5	Any Other Lumpsum @ Rs. 15000	Rs. 15000
		Total Addition Component Amount (in Rs.): 50087.227677475

Total Net Amount (in Rs.): 229999.99542497