

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lathikata	Gram Panchayat	Hatibandha

Work Code	OD/373/3583/121681/384613/00040169 (REPAIRE AND MAINTENANCE OF GOVT HATIBANDHA COLONY HIGH SCHOOL)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Lathikata	Proposal Date	-
Date of Commencement	10-10-2025	Date of Completion	12-11-2025
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Secondary School	Project Type	Repair and Maintenance
Name of Executant	MADHUSMITA SAHU		

Administrative Approval Details

Approval No.	OD/373/3583/121681/384613/00040169/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3583/121681/384613/00040169/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	100000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	Flooring (AR0816) : 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 floor - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.	Sqm	14.905	1198.6795717316	16730.4735
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2	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.	Sqm	36.711	878.933293436	16730.4735
3	Dismantling (AR1628) : Dismantling and removing old tiled flooring - Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	15.1316	125.43548387097	16730.4735

4	Dismantling (AR1629) : Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	36.7116	65.226451612903	16730.4735
5	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.	Cum	1.6575	449.756232	16730.4735

6	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.	Cum	2.48625	5607.39445902	16730.4735
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7	miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	Sqm	33.15	504.69	16730.4735
Total Amount (in Rs.): 85842.775049041					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	Flooring (AR0816) : 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 floor - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.	-	14.905	Sqm
i	Un-Skilled	0.216	3.21948	-
ii	Highly-Skilled	0.216	3.21948	-
iii	Semi-Skilled	0.55	8.19775	-

2	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.	-	36.711	Sqm
i	Un-Skilled	0.325	11.931075	-
ii	Highly-Skilled	0.325	11.931075	-
3	Dismantling (AR1628) : Dismantling and removing old tiled flooring - Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	15.1316	Sqm
i	Un-Skilled	0.26881720430108	4.0676344086022	-

4	Dismantling (AR1629) : Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	36.7116	Sqm
i	Un-Skilled	0.13978494623656	5.1317290322581	-
5	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.	-	1.6575	Cum
i	Un-Skilled	0.1236	0.204867	-

6	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.	-	2.48625	Cum
i	Skilled	0.18	0.447525	-
ii	Un-Skilled	3.9	9.696375	-

7	miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	33.15	Sqm
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	34.25116044086	462	15824.036123677
1	Highly-Skilled	15.150555	612	9272.13966
2	Semi-Skilled	8.19775	512	4197.248
3	Skilled	0.447525	562	251.50905
				Total: 29544.932833677

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Flooring (AR0816) :.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 floor - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.	-	14.905	Sqm
i)	BRMMR0027 : Wax Polish	1	14.905	1 Sqm
ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	14.905	1 Sqm.
iii)	BRM340 : Cement	0.2737	4.0794985	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.193765	1 Cum

2	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.	-	36.711	Sqm
i)	BRM129 : 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	1	36.711	1 Sqm.
ii)	BRM340 : Cement	0.1375	5.0477625	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.550665	1 Cum
3	Dismantling (AR1628) :.Dismantling and removing old tiled flooring - Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	15.1316	Sqm

4	Dismantling (AR1629) ∴Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	36.7116	Sqm
5	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.	-	1.6575	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.6575	1 Cum
6	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.	-	2.48625	Cum
i)	BRM340 : Cement	2.29	5.6935125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.1934	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.3868	1 Cum.
7	miscellaneous(ARM286) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	33.15	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	1.6575	1 Cum
ii)	BRMM286 : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	33.15	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0027	14.905	1 Sqm	8.5	126.6925
2	BRM130	14.905	1 Sqm.	459.6011111	6850.3545609455
3	BRM340	14.8207735	1 Qntl.	576.347	8541.9083444045
4	BRM028	1.93783	1 Cum	352.89	683.8408287
5	BRM129	36.711	1 Sqm.	414.8011111	15227.763589592

6	BRM029	3.315	1 Cum	347.95	1153.45425
7	BRM044	2.3868	1 Cum.	1531.66	3655.766088
8	BRMM286	33.15	1 Sqm	485.28	16087.032
					Total: 52326.812161642

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Flooring (AR0816) :.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 floor - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.	-	14.905	Sqm
i)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	14.905	1 Sqm.
ii)	BRM340 : Cement	0.2737	4.0794985	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.193765	1 Cum

2	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.	-	36.711	Sqm
i)	BRM129 : 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	1	36.711	1 Sqm.
ii)	BRM340 : Cement	0.1375	5.0477625	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.550665	1 Cum
3	Dismantling (AR1628) :.Dismantling and removing old tiled flooring - Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	15.1316	Sqm

4	Dismantling (AR1629) ∴Dismantling and removing old tiled cladding from walls - Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	36.7116	Sqm
5	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.	-	1.6575	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.6575	1 Cum
6	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.	-	2.48625	Cum
i)	BRM340 : Cement	2.29	5.6935125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.1934	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.3868	1 Cum.
7	miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	33.15	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	1.6575	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.93783	1 Cum	40.25	77.9976575
2	BRM029	3.315	1 Cum	40.25	133.42875
3	BRM044	2.3868	1 Cum.	329.5	786.4506
					Total: 997.8770075

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 150	Rs. 150
2	Display Citizen Board @ Rs. 1000	Rs. 1000

3	Any Other Lumpsum @ Rs. 13007	Rs. 13007
Total Addition Component Amount (in Rs.): 14157		

Total Net Amount (in Rs.): 99999.775049041