



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 08.02.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

Dear Sir,

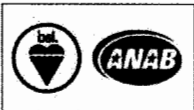
We are herewith submitting the Ambient Air Quality Survey report, Ambient Noise Survey report and Water Analysis report for the month of February'2025 for Limestone mining for an area of 31.05 Ha, at South Khliehjeri.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED


Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17765 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666



Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.I. (AOD) New Market
P.O.: Digboi, Dist.: Thirukha, Assam - 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/MCL/24-25/AA-02/01
Date : 07/03/2025

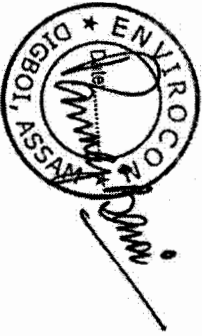
Order No.: 4700033628
Date : 19/02/2025

Report Issued To: **MEGHALAYA CEMENTS LIMITED**
Village: Thangskai, PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m³) (24 hrs. Average)	PM 10 (µg/m³) (24 hrs. Average)	SO ₂ (µg/m³) (24 hrs. Average)	NO ₂ (µg/m³) (24 hrs. Average)	NH ₃ (µg/m³) (24 hrs. Average)	CO (mg/m³) (1 hr. Average)	O ₃ (µg/m³) (1 hr. Average)	B(a)P (ng/m³) (Annual Average)	CH ₄ (µg/m³) (Annual Average)	Ni (ng/m³) (Annual Average)	As (ng/m³) (Annual Average)	Pb (µg/m³) (24 hrs. Average)
Thangskai Village	23.02.2025	60	100	80	80	400	4.0	180	1.0	5.0	20	6.0	1.0
LIMITS →	--	60	100	80	80	400	4.0	180	1.0	5.0	20	6.0	1.0

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIP), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/AA-01/02

Date : 07/03/2025

Order No.: 4700033628

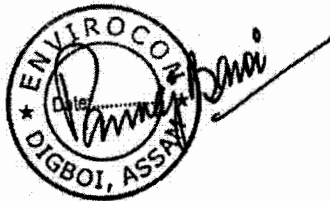
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near Soil Dump	23.02.2025	52.4	89.5	11.9	15.6
02	Near Haul Road	23.02.2025	53.7	94.8	9.8	11.7
03	Near Lease Boundary	23.02.2025	46.1	86.2	8.6	10.9

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/N-02/02

Order No.: 4700033628

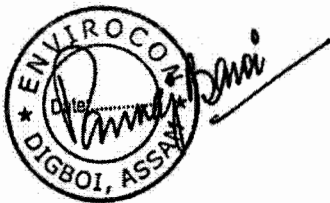
Date : 07/03/2025

Date : 19/02/2025

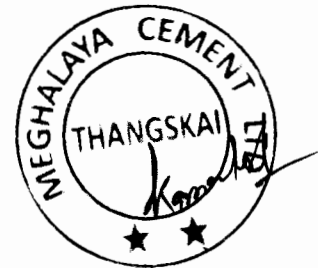
Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Mines Haul Road	24.02.2025	64.6	75	57.9	70
2	Near Soil Dump	24.02.2025	58.5	75	51.2	70
3	Near Lease Boundary	24.02.2025	62.8	75	56.6	70



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Report No.: ENV/MCL/24-25/SW-02/01
Date : 07/03/2025

Order No.: 4700033628
Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2302/01
Collected On : 23-02-2025

Sample Source : Um-Lunar River Upstream
Received On : 26-02-2025

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	11	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.3	--	--
4.	pH Value	6.61	6.5 - 8.5	No Relaxation
5.	Suspended Solids	42	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, μ S/cm	166	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.2	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	29	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	21	200	600
14.	Calcium (as Ca), mg/l, Max.	11	75	200
15.	Magnesium (as Mg), mg/l, Max.	3	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	0.9	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	2.6	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SW-02/02
Date : 07/03/2025

Order No.: 4700033628
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2302/02
Collected On : 23-02-2025

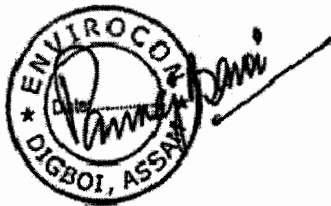
Sample Source : Um-Lunar River Downstream
Received On : 26-02-2025

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	16	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.3	--	--
4.	pH Value	6.55	6.5 - 8.5	No Relaxation
5.	Suspended Solids	48	--	--
6.	Total Dissolved Solids, mg/l, Max.	88	500	2000
7.	Conductivity, μ S/cm	176	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	27	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	28	200	600
14.	Calcium (as Ca), mg/l, Max.	17	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	3.6	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 08.02.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the Ambient Air Quality survey report along with stack analysis report, Ambient Noise survey report and Water analysis report for the month of February'2025 for 2600 TPD Cement Manufacturing Plant along with 10 MW Captive Power Plant report respectively.

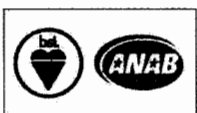
Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



Mul...
Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
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E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District: East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17765 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666

Report No.: ENV/MCL/24-25/AA-02/03
Date : 07/03/2025

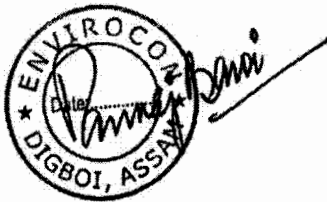
Order No.: 4700033628
Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near CCR Building	24.02.2025	50.6	84.6	8.7	9.8
02	Near LS Crusher	24.02.2025	53.4	87.3	11.8	14.5
03	Residential Colony	24.02.2025	49.6	80.2	7.5	7.9

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/SE-02/09
Date : 07/03/2025

Order No.: 4700033628
Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/09		
02	Date of Sampling	24.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Stack Diameter (Meter)	1.19		
06	Flue Gas Temperature (°C)	28		
07	Exit Velocity of Gas (m/sec)	4.3		
08	Flow Rate (Nm ³ /hr)	17048		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	19	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

<p>NOTE:</p> <ol style="list-style-type: none"> 1. Results reported are valid at the time of and under the prevailing conditions of measurement. 2. Results refer only to the particular parameters tested. 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.
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Report No.: ENV/MCL/24-25/SE-02/10

Order No.: 4700033628

Date : 07/03/2025

Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/10		
02	Date of Sampling	24.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Secondary Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	32		
07	Exit Velocity of Gas (m/sec)	4.6		
08	Flow Rate (Nm ³ /hr)	12709		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm ³	30

*NA: Not Applicable



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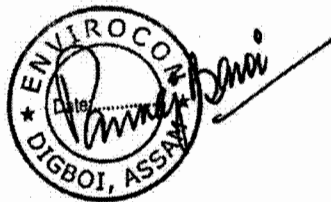
Report No.: ENV/MCL/24-25/SE-02/05
 Date : 07/03/2025

Order No.: 4700033628
 Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/05		
02	Date of Sampling	23.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	RABH (Kiln & Raw Mill)- 1		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	171		
07	Exit Velocity of Gas (m/sec)	14.9		
08	Flow Rate (Nm ³ /hr)	254513		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	641	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	331	mg/Nm ³	600



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Report No.: ENV/MCL/24-25/SE-02/06
 Date : 07/03/2025

Order No.: 4700033628
 Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/06		
02	Date of Sampling	23.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	RABH (Kiln & Raw Mill)- 2		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	167		
07	Exit Velocity of Gas (m/sec)	14.7		
08	Flow Rate (Nm ³ /hr)	220722		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	625	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	318	mg/Nm ³	600



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Report No.: ENV/MCL/24-25/SE-02/01

Date : 07/03/2025

Order No.: 4700033628

Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/01		
02	Date of Sampling	22.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill – 1		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	10.2		
08	Flow Rate (Nm ³ /hr)	36939		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



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Date : 07/03/2025

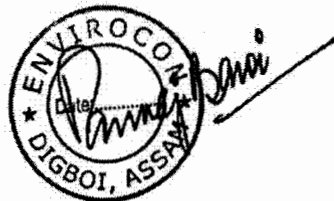
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Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/02		
02	Date of Sampling	22.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill – 2		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	49		
07	Exit Velocity of Gas (m/sec)	9.9		
08	Flow Rate (Nm ³ /hr)	36075		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/03
Date : 07/03/2025

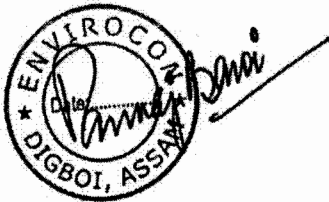
Order No.: 4700033628
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/03		
02	Date of Sampling	22.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P. – 1		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	111		
07	Exit Velocity of Gas (m/sec)	7.8		
08	Flow Rate (Nm ³ /hr)	134197		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/04
 Date : 07/03/2025

Order No.: 4700033628
 Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/04		
02	Date of Sampling	22.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P. – 2		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	112		
07	Exit Velocity of Gas (m/sec)	7.3		
08	Flow Rate (Nm ³ /hr)	125269		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/07

Date : 07/03/2025

Order No.: 4700033628

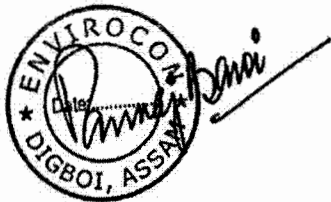
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/07		
02	Date of Sampling	23.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 1		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	67		
07	Exit Velocity of Gas (m/sec)	10.9		
08	Flow Rate (Nm ³ /hr)	38902		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/08
Date : 07/03/2025

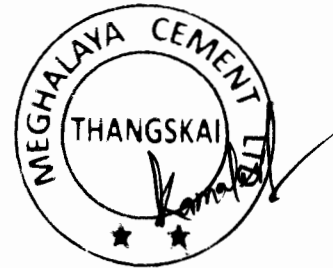
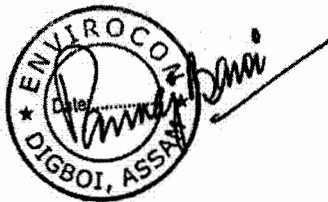
Order No.: 4700033628
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/08		
02	Date of Sampling	23.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 2		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	61		
07	Exit Velocity of Gas (m/sec)	13.1		
08	Flow Rate (Nm ³ /hr)	47594		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/11

Date : 07/03/2025

Order No.: 4700033628

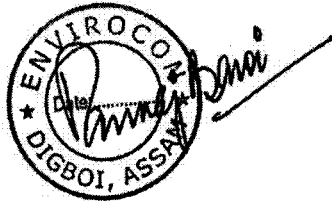
Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
 Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/11		
02	Date of Sampling	24.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant No. 1		
05	Stack Diameter (Meter)	0.6		
06	Flue Gas Temperature (°C)	29		
07	Exit Velocity of Gas (m/sec)	13.7		
08	Flow Rate (Nm ³ /hr)	13534		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-02/12

Date : 07/03/2025

Order No.: 4700033628

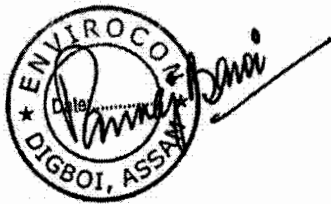
Date : 19/02/2025

Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/12		
02	Date of Sampling	24.02.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant No. 2		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	31		
07	Exit Velocity of Gas (m/sec)	12.6		
08	Flow Rate (Nm ³ /hr)	34927		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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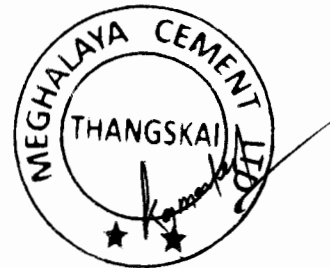
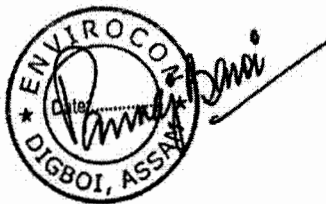
Report No.: ENV/MCL/24-25/SE-02/13
Date : 07/03/2025

Order No.: 4700033628
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-02/13		
02	Date of Sampling	24.02.2025		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Stack Diameter (Meter)	2.53		
06	Flue Gas Temperature (°C)	101		
07	Exit Velocity of Gas (m/sec)	7.6		
08	Flow Rate (Nm ³ /hr)	109609		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	44	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	546	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	209	mg/Nm ³	300
iv.	Mercury (as Hg)	<0.001	mg/Nm ³	0.03



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Report No.: ENV/MCL/24-25/N-02/01

Date : 07/03/2025

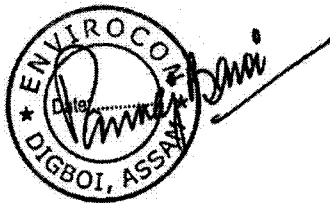
Order No.: 4700033628

Date : 19/02/2025

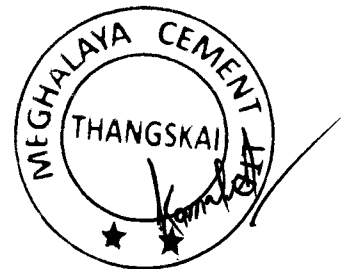
Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Residential Colony	23.02.2025	45.3	55	40.4	45
2	Near L.S Crusher	23.02.2025	72.4	75	67.6	70
3	Thangskai Village	23.02.2025	42.9	55	39.2	45
4	Near CCR Building	23.02.2025	69.1	75	64.4	70



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/24-25/SW-02/02

Date : 07/03/2025

Order No.: 4700033628

Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2302/02

Sample Source : Um-Lunar River Downstream

Sample Type : Surface Water

Collected On : 23-02-2025

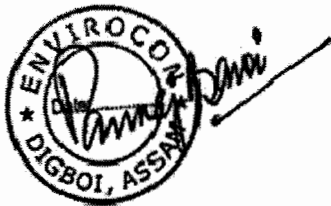
Received On : 26-02-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	16	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.3	--	--
4.	pH Value	6.55	6.5 - 8.5	No Relaxation
5.	Suspended Solids	48	--	--
6.	Total Dissolved Solids, mg/l, Max.	88	500	2000
7.	Conductivity, μ S/cm	176	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	27	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	28	200	600
14.	Calcium (as Ca), mg/l, Max.	17	75	200
15.	Magnesium (as Mg), mg/l, Max.	6	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	3.6	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SW-02/01

Date : 07/03/2025

Order No.: 4700033628

Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2302/01

Sample Source : Um-Lunar River Upstream

Sample Type : Surface Water

Collected On : 23-02-2025

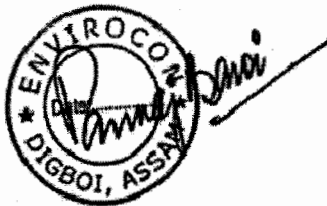
Received On : 26-02-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	11	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.3	--	--
4.	pH Value	6.61	6.5 - 8.5	No Relaxation
5.	Suspended Solids	42	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, $\mu\text{S/cm}$	166	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.2	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	29	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	21	200	600
14.	Calcium (as Ca), mg/l, Max.	11	75	200
15.	Magnesium (as Mg), mg/l, Max.	3	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	0.9	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	2.6	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 08.02.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the Process Fugitive Emission report of the month February'2025 for 2600 TPD Cement Manufacturing Plant along with 10 MW Captive Power Plant report respectively.

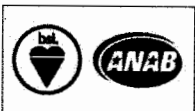
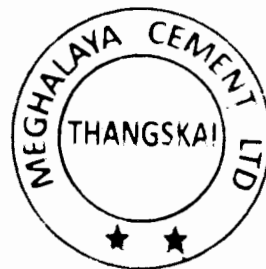


Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Mul...
Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshingong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17765 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



Report No.: ENV/MCL/24-25/FE-02/01

Order No.: 4700033628

Date : 07/03/2025

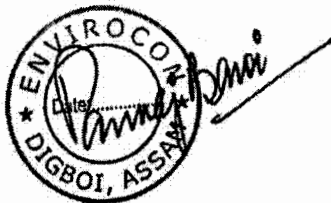
Date : 19/02/2025

Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**
Village: Thangskai; PO: Lumshnong, Meghalaya

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Cement Loading Point	23.02.2025	1879	2000
02	LS Crusher Area	23.02.2025	1536	2000
03	Clinker Loading Point	24.02.2025	4271	5000
04	Raw Material Yard	24.02.2025	3645	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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PROCESS FUGITIVE EMISSION TEST RESULTS

February'2025

Date of Testing	Location	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	As per the Standard Limit ($\mu\text{g}/\text{m}^3$)
10.02.2025	Lime stone Storage Area	1287	5000
11.02.2025	Coal Storage Area	934	2000
12.02.2025	Clinker Loading Area	2147	5000
13.02.2025	Cement Loading Area	1863	5000
14.02.2025	Coal Storage Area (CPP)	984	2000
15.02.2025	Fly Ash Silo Area (CPP)	987	2000

Prepared by


(Abhigyan Gautam)

Checked & Verified by


(Kamalash Kr. Choudhary)





MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 08.02.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpynggad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the water consumption report of 10 MW Captive Power Plant for the month of February'2025.

Month

February'2025

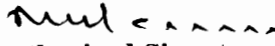
Water Consumption

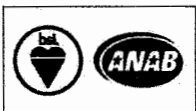
16,212m³

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED


Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax: 0361 2345419
E-mail : guwahati@topcem.in
Web : www.topcem.in

Kolkata :
BE-77, Salt Lake City
Sector-1, Kolkata - 700 064
Tel. : 033 2334 0666 / 0004
Fax : 033 2334 0505
E-mail : kolkata@topcem.in

Registered Office :
Village: Thangskai, P.O. & P.S. Lumshnong
District : East Jaintia Hills, Meghalaya, PIN: 793210
Tel. : +91 89742 17765 / 70850 58469 / 98625 09599
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666





MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125

8/c



To,

Date: 08.02.2025

The Member Secretary,
Meghalaya State Pollution Control Board,
'Arden' Lumpyngngad,
Shillong, Meghalaya.

Dear Sir,

We are herewith submitting the water consumption report of 2600 TPD Cement Manufacturing Plant for the month of February'2025.



Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED



Mukul Chandra
Authorized Signatory



ISO 9001:2015 & 14001:2015
50001:2011 Certified Company

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HELPLINE NO : 18001233666

MEGHALAYA CEMENTS LIMITED

FORM - I

(See Rule 4)

Return: Water consumed during the month of February' 2025

Name and Address of the consumer	Purpose for which water consumed	Source Tube Well River etc.	Reading at the beginning of the first day of the calendar month under report	Reading at the end of the last day of the calendar month under report	Quantity of water consumed in Kiloliters	If the meter was out of order the monthly average consumption of water for the previous 3 month of working periods	Quantity of water qualifying for rebate according to the assesses	Remarks (*)
1	2	3	4	5	6	7	8	9
MEGHALAYA Cements Ltd. Village - Thangskai P.O - Lumshnong Pin No 793210 Jaintia Hills - MEGHALAYA	Domestic purpose	River	(a) 474548 (b) 71969 (c) 874558	(a) 476329 (b) 72955 (c) 876106	4315	-	-	Qty. of water consumed from river water = 4,315 + 12,061 = 16,376 KL
	Industrial cooling (Cement Plant)	River	(a) 361498 (b) 394869 (c) 953452	(a) 367052 (b) 405048 (c) 959244	12061	-	-	Qty of water circulation & returned = 6,782 + 2,682 = KL 9464
	Industrial cooling (WHRS)	River	-	-	7229	-	-	Used for WHRS

For claiming the rebate under the column 7, the assesses has indicated in this column that has been analytical and the test report were annexed in this return to support the claim.

Note: (1) Initial reading of the return line flow meter at the beginning of the month = 30, 22, 853

Final reading of the return line flow meter at end of month = 30, 22, 853

(2) Initial reading of S.T.P flow meter at the beginning of the month = 2, 03, 182

Final reading of S.T.P flow meter at the end of the month = 2, 05, 864

