



**MEGHALAYA CEMENTS LIMITED**

CIN-U26942ML2003PLC007125



To,

Date: 09.07.2025

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

Dear Sir,

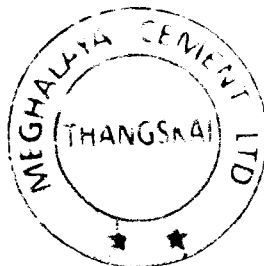
We are herewith submitting the Ambient Air Quality Survey report, Ambient Noise Survey report and Water Analysis report for the month of **June'2025** for Limestone mining for an area of 31.05 Ha, at South Khliehji.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

*Mukul Chandra*  
Authorized Signatory



**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. : 03655 278324 / 363 / 364  
Fax : 03655 278327  
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



Report No.: ENV/MCL/25-26/AA-06/01  
Date : 08/07/2025

Order No.: 8700034852  
Date : 06/06/2025

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)	PM 10 (µg/m³)	SO <sub>2</sub> (µg/m³)	NO <sub>2</sub> (µg/m³)	NH <sub>3</sub> (µg/m³)	CO (mg/m³)	O <sub>3</sub> (µg/m³)	B(a)P (ng/m³)	C <sub>6</sub> H <sub>6</sub> (µg/m³)	NI (ng/m³)	As (ng/m³)	Pb (µg/m³)
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Thangskai Village	27.06.2025	18.3	41.2	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

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 (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/25-26/AA-06/02

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	LIMIT(S) →	---	60	100	80	80
01	Near Soil Dump	26.06.2025	28.6	62.9	6.6	9.2
02	Near Haul Road	26.06.2025	33.9	73.5	9.4	13.6
03	Near Lease Boundary	26.06.2025	29.5	64.8	<5.0	7.2

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/N-06/02

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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	28.06.2025	63.2	75	53.5	70
2	Near Soil Dump	28.06.2025	57.4	75	49.4	70
3	Near Lease Boundary	28.06.2025	60.8	75	46.8	70



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/MCL/25-26/SW-06/01

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2906/01

Collected On : 29-06-2025

Sample Source : Um-Lunar River Upstream

Received On : 02-07-2025

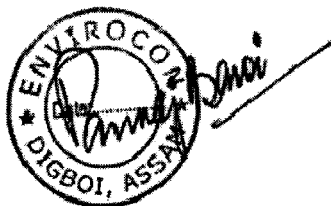
Sample Type : Surface Water

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	10	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.9	--	--
4.	pH Value	6.71	6.5 - 8.5	No Relaxation
5.	Suspended Solids	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, $\mu$ S/cm	166	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.3	--	--
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 $\text{CaCO}_3$ ), mg/l, Max.	17	200	600
14.	Calcium (as Ca), mg/l, Max.	10	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 $\text{NH}_3$ ), mg/l, Max.	2.5	--	--
20.	Free Ammonia (as $\text{NH}_3$ ), 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/25-26/SW-06/02

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2906/02

Sample Source : Um-Lunar River Downstream

Sample Type : Surface Water

Collected On : 29-06-2025

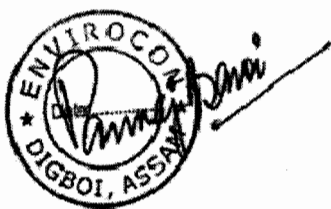
Received On : 02-07-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	14	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.9	--	--
4.	pH Value	6.59	6.5 - 8.5	No Relaxation
5.	Suspended Solids	49	--	--
6.	Total Dissolved Solids, mg/l, Max.	87	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	175	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	31	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as $\text{CaCO}_3$ ), mg/l, Max.	24	200	600
14.	Calcium (as Ca), mg/l, Max.	13	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.	1.5	--	--
19.	Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max.	3.2	--	--
20.	Free Ammonia (as $\text{NH}_3$ ), 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.



92  
**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 09.07.2025

The Member Secretary,  
Meghalaya State Pollution Control Board,  
'Arden' Lumpyngngad,  
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 **June'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**

*Nutan*  
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  
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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/25-26/AA-06/01  
Date : 08/07/2025

Order No.: 8700034852  
Date : 06/06/2025

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)	PM 10 (µg/m³)	SO <sub>2</sub> (µg/m³)	NO <sub>2</sub> (µg/m³)	NH <sub>3</sub> (µg/m³)	CO (mg/m³)	O <sub>3</sub> (µg/m³)	B(a)P (ng/m³)	C <sub>6</sub> H <sub>6</sub> (µg/m³)	Ni (ng/m³)	As (ng/m³)	Pb (µg/m³)
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Thangskai Village	27.06.2025	18.3	41.2	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/AA-06/03

Date : 08/07/2025

Order No.: 8700034852

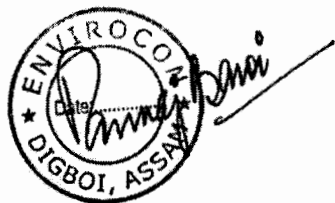
Date : 06/06/2025

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

### AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO <sub>2</sub> (µg/m³)	NO <sub>2</sub> (µg/m³)
	LIMIT(S) →	---	60	100	80	80
01	Near CCR Building	28.06.2025	33.8	61.5	7.8	8.6
02	Near Residential Colony	28.06.2025	42.5	78.3	8.4	10.5
03	Near Substation	28.06.2025	44.7	81.9	8.9	11.9

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/SE-06/11

Date : 08/07/2025

Order No.: 8700034852

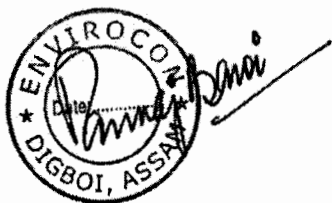
Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/11		
02	Date of Sampling	28.06.2025		
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)	4.7		
08	Flow Rate (Nm³/hr)	18633		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	18	mg/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/12

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/12		
02	Date of Sampling	28.06.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Secondary Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	31		
07	Exit Velocity of Gas (m/sec)	4.9		
08	Flow Rate (Nm³/hr)	13583		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	20	mg/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/08

Date : 08/07/2025

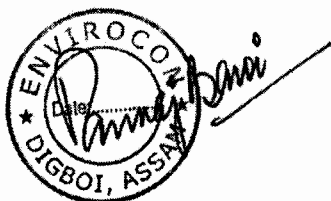
Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/08		
02	Date of Sampling	28.06.2025		
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)	176		
07	Exit Velocity of Gas (m/sec)	15.3		
08	Flow Rate (Nm³/hr)	258436		
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	21	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	616	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	299	mg/Nm³	600



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/09

Date : 08/07/2025

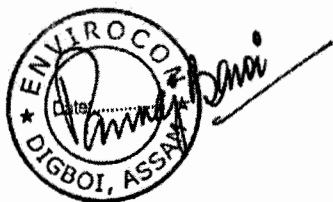
Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/09		
02	Date of Sampling	28.06.2025		
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)	172		
07	Exit Velocity of Gas (m/sec)	15.7		
08	Flow Rate (Nm³/hr)	233088		
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	19	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	626	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	299	mg/Nm³	600



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/05

Date : 08/07/2025

Order No.: 8700034852

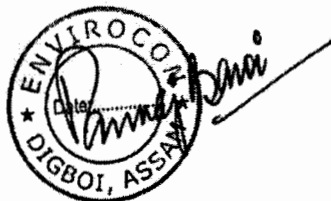
Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/05		
02	Date of Sampling	27.06.2025		
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)	107		
07	Exit Velocity of Gas (m/sec)	7.8		
08	Flow Rate (Nm³/hr)	135610		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Report No.: ENV/MCL/25-26/SE-06/06

Date : 08/07/2025

Order No.: 8700034852

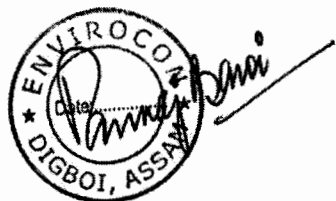
Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/06		
02	Date of Sampling	27.06.2025		
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)	110		
07	Exit Velocity of Gas (m/sec)	8.2		
08	Flow Rate (Nm³/hr)	141448		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	28	mg/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/SE-06/01

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-07/01		
02	Date of Sampling	26.06.2025		
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 (Nm³/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	26	mg/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/02

Date : 08/07/2025

Order No.: 8700034852

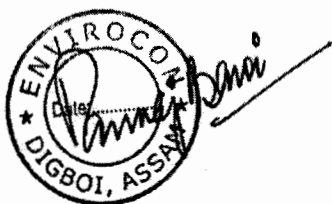
Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/02		
02	Date of Sampling	26.06.2025		
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)	9.7		
08	Flow Rate (Nm³/hr)	35346		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/07

Date : 08/07/2025

Order No.: 8700034852

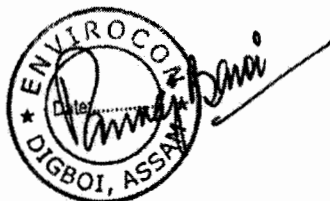
Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/07		
02	Date of Sampling	27.06.2025		
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) <sup>a</sup>	63		
07	Exit Velocity of Gas (m/sec)	11.6		
08	Flow Rate (Nm³/hr)	41893		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/10

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/10		
02	Date of Sampling	28.06.2025		
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)	12.2		
08	Flow Rate (Nm³/hr)	44324		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/03

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

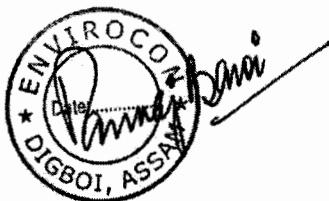
Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai, PO: Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/03		
02	Date of Sampling	26.06.2025		
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)	13.4		
08	Flow Rate (Nm³/hr)	13237		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/04

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/04		
02	Date of Sampling	26.06.2025		
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)	11.7		
08	Flow Rate (Nm³/hr)	32432		
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/Nm³	30

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-06/13

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2025/SE-06/13		
02	Date of Sampling	29.06.2025		
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)	99		
07	Exit Velocity of Gas (m/sec)	7.5		
08	Flow Rate (Nm³/hr)	108749		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	43	mg/Nm³	50
ii.	Sulphur Dioxide (as SO₂)	423	mg/Nm³	600
iii.	Oxides of Nitrogen (as NOₓ)	179	mg/Nm³	300



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/N-06/01

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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	27.06.2025	42.8	55	38.5	45
2	Near Substation	27.06.2025	70.4	75	66.4	70
3	Thangskai Village	27.06.2025	41.5	55	32.2	45
4	Near CCR Building	27.06.2025	67.1	75	62.9	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SW-06/01

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2906/01

Collected On : 29-06-2025

Sample Source : Um-Lunar River Upstream

Received On : 02-07-2025

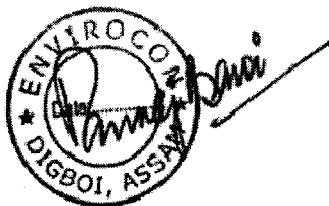
Sample Type : Surface Water

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	10	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.9	--	--
4.	pH Value	6.71	6.5 - 8.5	No Relaxation
5.	Suspended Solids	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, $\mu$ S/cm	166	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.3	--	--
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 $\text{CaCO}_3$ ), mg/l, Max.	17	200	600
14.	Calcium (as Ca), mg/l, Max.	10	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 $\text{NH}_3$ ), mg/l, Max.	2.5	--	--
20.	Free Ammonia (as $\text{NH}_3$ ), 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/25-26/SW-06/02

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2906/02

Sample Source : Um-Lunar River Downstream

Sample Type : Surface Water

Collected On : 29-06-2025

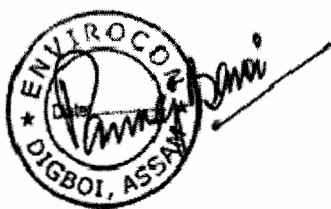
Received On : 02-07-2025

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	14	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.9	--	--
4.	pH Value	6.59	6.5 - 8.5	No Relaxation
5.	Suspended Solids	49	--	--
6.	Total Dissolved Solids, mg/l, Max.	87	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	175	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	31	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as $\text{CaCO}_3$ ), mg/l, Max.	24	200	600
14.	Calcium (as Ca), mg/l, Max.	13	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.	1.5	--	--
19.	Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max.	3.2	--	--
20.	Free Ammonia (as $\text{NH}_3$ ), 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/25-26/WW-06/01

Date : 08/07/2025

Order No.: 8700034852

Date : 06/06/2025

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

### WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/ETP-2906/01

Sample Source : ETP Outlet (MCL)

Sample Type : ETP Treated Water

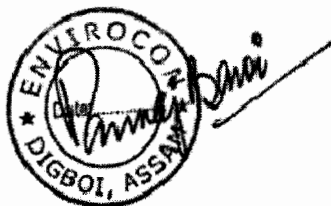
Collected On : 29-06-2025

Received On : 02-07-2025

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Limit [G.S.R. 422(E), 19.05.1993]
1	Ph	6.82	6.5 – 9.0
2	Temperature, °C	25.8	shall not exceed 5°C above the receiving water temperature
3	Total Suspended Solids (as TSS), mg/l	6.2	100
4	Biochemical Oxygen Demand (as BOD), mg/l	6	30
5	Chemical Oxygen Demand (as COD), mg/l	42	250
6	Oil & Grease, mg/l	<4.0	10.0
7	Total Residual Chlorine, mg/l	<0.01	1.0
8	Ammonical Nitrogen (as N), mg/l	1.2	50
9	Total Kjeldahl Nitrogen (as NH <sub>3</sub> ), mg/l	5.1	100
10	Free Ammonia (as NH <sub>3</sub> ), mg/l	<0.01	5.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 09.07.2025

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

Dear Sir,

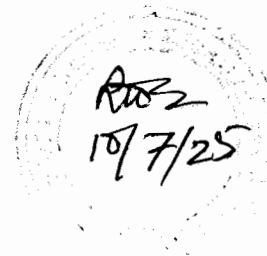
We are herewith submitting the Process Fugitive Emission report of the month **June'2025** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

  
Authorized Signatory



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

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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/25-26/FE-06/01

Order No.: 8700034852

Date : 08/07/2025

Date : 06/06/2025

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	27.06.2025	1426	2000
02	CPP Coal Yard	27.06.2025	1351	2000
03	Clinker Loading Point	28.06.2025	3478	5000
04	Raw Material Yard	28.06.2025	3123	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

**NOTE:**

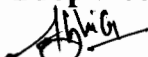
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.



**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.

## **PROCESS FUGITIVE EMISSION TEST RESULTS**

**June'2025**

<b>Date of Testing</b>	<b>Location</b>	<b>Fugitive Emission Results for SPM (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>As per the Standard Limit (<math>\mu\text{g}/\text{m}^3</math>)</b>
04.06.2025	Lime stone Storage Area	1149	5000
05.06.2025	Coal Storage Area	789	2000
06.06.2025	Clinker Loading Area	1637	5000
07.06.2025	Cement Loading Area	1951	5000
09.06.2025	Coal Storage Area (CPP)	763	2000
10.06.2025	Fly Ash Silo Area (CPP)	948	2000

**Prepared by**  
  
**(Abhigyan Gautam)**

  
**Checked & Verified by**  
  
**(Ujjwal Anurag)**



**MEGHALAYA CEMENTS LIMITED**

CIN-U26942ML2003PLC007125



To,

Date: 09.07.2025

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 June'2025.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

*Mukul Chandra*  
Authorized Signatory



*Raz*  
10/7/25



**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. : 03655 278324 / 363 / 364  
Fax : 03655 278327  
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666

# MEGHALAYA CEMENTS LIMITED

## FORM - I

(See Rule 4)

Return: Water consumed during the month of June'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)481892 (b)76277 (c)881003	(a)484296 (b)77290(c) )883180	5,594	-	-	Qty. of water consumed from river water =5,594+ 17,697= 23,291 KL
	Industrial cooling (Cement Plant)	River	(a)383692 (b)434452 (c)979809	(a)392589( b)447842 (c)989349	17,697	-	-	Qty of water circulation & returned = 10,466+ 3,665 = 14,130 KL
	Industrial cooling (WHRS)	River	-	-	6,183	-	-	Used for WHRS

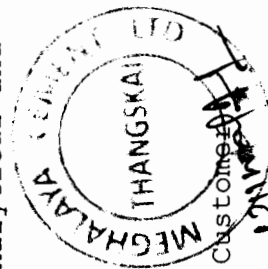
For claiming the rebate under the column 7, the assesses has indicated in this column that has been analytical and the test report were annexed in this return to support the claim.

**Note:** (1) Initial reading of the return line flow meter at the beginning of the month = 30, 52,549

Final reading of the return line flow meter at end of month= 30, 70,246

(2) Initial reading of S.T.P flow meter at the beginning of the month = 2, 14,424

Final reading of S.T.P flow meter at the end of the month= 2, 18,089



Name of Customer  
Address

o/c



# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 09.07.2025

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

Dear Sir,

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

Month

Water Consumption

June'2025

14,108m<sup>3</sup>

Thanking you Sir,

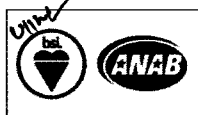
Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

*Mukul Chandra*  
Authorized Signatory



*10/7/25*



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

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