



# MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.12.2025

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 **November'2025** for Limestone mining for an area of 31.05 Ha, at South Khliehji.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

*Neil C...*  
Authorized Signatory

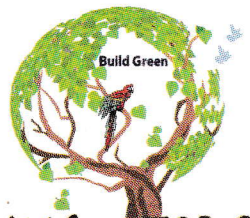


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G.S. Road, Guwahati - 781 005  
Tel. : 0361 2345421/22/23, Fax : 0361 2345419  
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Web : www.topcem.in

**Kolkata :**  
BE-77, Salt Lake City  
Sector-1, Kolkata - 700 064  
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**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-11/01  
Date : 09/12/2025

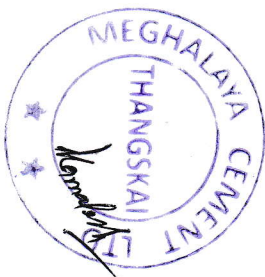
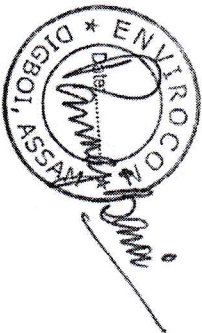
Order No.: 4700036923  
Date : 08/11/2025

Report Issued To: **MEGHALAYA CEMENTS LIMITED**  
Village: Thangskai, P.O. Lumshong, Meghalaya

## AMBIENT AIR QUALITY TEST RESULTS

| LOCATIONS ↓     | Date of Sampling | PM 2.5<br>( $\mu\text{g}/\text{m}^3$ ) | PM 10<br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NH <sub>3</sub><br>( $\mu\text{g}/\text{m}^3$ ) | CO<br>( $\text{mg}/\text{m}^3$ ) | O <sub>3</sub><br>( $\mu\text{g}/\text{m}^3$ ) | B(a)P<br>( $\text{ng}/\text{m}^3$ ) | CaH <sub>6</sub><br>( $\mu\text{g}/\text{m}^3$ ) | Ni<br>( $\text{ng}/\text{m}^3$ ) | As<br>( $\text{ng}/\text{m}^3$ ) | Pb<br>( $\mu\text{g}/\text{m}^3$ ) |
|-----------------|------------------|----------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------|------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------|----------------------------------|------------------------------------|
| LIMITS →        | --               | 60<br>(24 hrs. Average)                | 100<br>(24 hrs. Average)              | 80<br>(24 hrs. Average)                         | 80<br>(24 hrs. Average)                         | 400<br>(24 hrs. Average)                        | 4.0<br>(1 hr. Average)           | 180<br>(1 hr. Average)                         | 1.0<br>(Annual Average)             | 5.0<br>(Annual Average)                          | 20<br>(Annual Average)           | 6.0<br>(Annual Average)          | 1.0<br>(24 hrs. Average)           |
| Wahajer Village | 22.11.2025       | 16.3                                   | 36.8                                  | <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-11/02

Date : 09/12/2025

Order No.: 4700036923

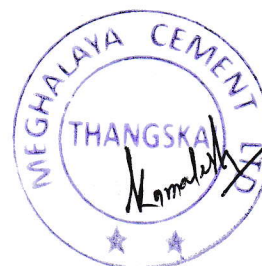
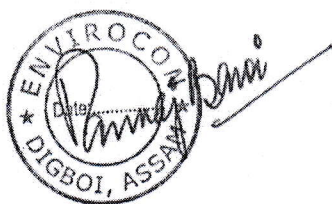
Date : 08/11/2025

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<br>( $\mu\text{g}/\text{m}^3$ ) | PM 10<br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) |
|---------|---------------------|------------------|----------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------------|
|         | LIMIT(S) →          |                  | 60                                     | 100                                   | 80                                              | 80                                              |
| 01      | Near Soil Dump      | 22.11.2025       | 27.3                                   | 58.5                                  | 6.6                                             | 8.9                                             |
| 02      | Near Haul Road      | 22.11.2025       | 33.6                                   | 67.3                                  | 9.3                                             | 11.8                                            |
| 03      | Near Lease Boundary | 22.11.2025       | 29.8                                   | 64.8                                  | 6.2                                             | 7.3                                             |

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/25-26/N-11/02

Date : 09/12/2025

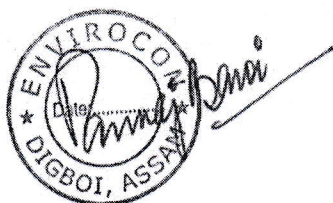
Order No.: 4700036923

Date : 08/11/2025

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     | 22.11.2025          | 64.9       | 75           | 56.2       | 70           |
| 2       | Near Soil Dump      | 22.11.2025          | 57.2       | 75           | 53.8       | 70           |
| 3       | Near Lease Boundary | 22.11.2025          | 61.6       | 75           | 54.9       | 70           |



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

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Report No.: ENV/MCL/25-26/SW-11/02

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2511/02

Collected On : 25-11-2025

Sample Source : Um-Lunar River Downstream

Received On : 29-11-2025

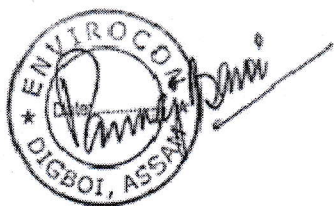
Sample Type : Surface Water

Collected By : Envirocon Representative

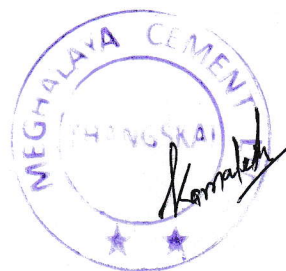
| Sl. No. | Parameters                                              | Results   | Acceptable Limit* | Permissible Limit*<br>in the Absence of<br>Alternate Source |
|---------|---------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------|
| 1.      | Colour, Hazen Units, Max.                               | 19        | 5                 | 15                                                          |
| 2.      | Odour                                                   | Agreeable | Agreeable         | Agreeable                                                   |
| 3.      | Temperature                                             | 25.3      | --                | --                                                          |
| 4.      | pH Value                                                | 6.64      | 6.5 - 8.5         | No Relaxation                                               |
| 5.      | Suspended Solids                                        | 54        | --                | --                                                          |
| 6.      | Total Dissolved Solids, mg/l, Max.                      | 93        | 500               | 2000                                                        |
| 7.      | Conductivity, $\mu$ S/cm                                | 159       | --                | --                                                          |
| 8.      | Dissolved Oxygen, mg/l, Min.                            | 6.4       | --                | --                                                          |
| 9.      | Biochemical Oxygen Demand, mg/l, Max.                   | <1.0      | --                | --                                                          |
| 10.     | Chemical Oxygen Demand, mg/l, Max.                      | 36        | --                | --                                                          |
| 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.        | 28        | 200               | 600                                                         |
| 14.     | Calcium (as Ca), mg/l, Max.                             | 19        | 75                | 200                                                         |
| 15.     | Magnesium (as Mg), mg/l, Max.                           | 7         | 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.                   | 1.7       | --                | --                                                          |
| 19.     | Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max. | 3.4       | --                | --                                                          |
| 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.

Report No.: ENV/MCL/25-26/SW-11/02

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/SW-2511/02

Collected On : 25-11-2025

Sample Source : Um-Lunar River Downstream

Received On : 29-11-2025

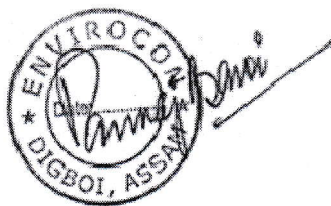
Sample Type : Surface Water

Collected By : Envirocon Representative

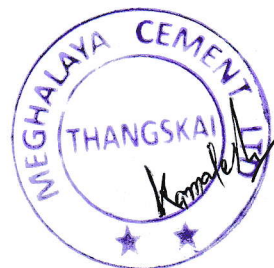
| Sl. No. | Parameters                                              | Results   | Acceptable Limit* | Permissible Limit*<br>in the Absence of<br>Alternate Source |
|---------|---------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------|
| 1.      | Colour, Hazen Units, Max.                               | 19        | 5                 | 15                                                          |
| 2.      | Odour                                                   | Agreeable | Agreeable         | Agreeable                                                   |
| 3.      | Temperature                                             | 25.3      | --                | --                                                          |
| 4.      | pH Value                                                | 6.64      | 6.5 - 8.5         | No Relaxation                                               |
| 5.      | Suspended Solids                                        | 54        | --                | --                                                          |
| 6.      | Total Dissolved Solids, mg/l, Max.                      | 93        | 500               | 2000                                                        |
| 7.      | Conductivity, $\mu\text{S}/\text{cm}$                   | 159       | --                | --                                                          |
| 8.      | Dissolved Oxygen, mg/l, Min.                            | 6.4       | --                | --                                                          |
| 9.      | Biochemical Oxygen Demand, mg/l, Max.                   | <1.0      | --                | --                                                          |
| 10.     | Chemical Oxygen Demand, mg/l, Max.                      | 36        | --                | --                                                          |
| 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.        | 28        | 200               | 600                                                         |
| 14.     | Calcium (as Ca), mg/l, Max.                             | 19        | 75                | 200                                                         |
| 15.     | Magnesium (as Mg), mg/l, Max.                           | 7         | 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.                   | 1.7       | --                | --                                                          |
| 19.     | Total Kjeldahl Nitrogen (as $\text{NH}_3$ ), mg/l, Max. | 3.4       | --                | --                                                          |
| 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.



Report No.: ENV/MCL/25-26/WW-11/01

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2025/ETP-2511/01

Sample Source : ETP Outlet (MCL)

Sample Type : ETP Treated Water

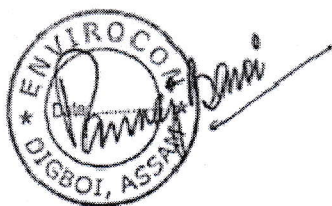
Collected On : 25-11-2025

Received On : 29-11-2025

Collected By : ENVIROCON Representative

| Sl. No. | Parameters                                          | Results | Limit<br>[G.S.R. 422(E), 19.05.1993]                       |
|---------|-----------------------------------------------------|---------|------------------------------------------------------------|
| 1       | Ph                                                  | 6.72    | 6.5 – 9.0                                                  |
| 2       | Temperature, °C                                     | 25.3    | shall not exceed 5°C above the receiving water temperature |
| 3       | Total Suspended Solids (as TSS), mg/l               | 28      | 100                                                        |
| 4       | Biochemical Oxygen Demand (as BOD), mg/l            | 21      | 30                                                         |
| 5       | Chemical Oxygen Demand (as COD), mg/l               | 67      | 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                     | 9.9     | 50                                                         |
| 9       | Total Kjeldahl Nitrogen (as NH <sub>3</sub> ), mg/l | 29      | 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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**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.





**MEGHALAYA CEMENTS LIMITED**

CIN-U26942ML2003PLC007125



To,

Date: 10.12.2025

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 **November'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**

*[Signature]*  
Authorized Signatory



**Sales & Marketing Office :**  
Mega Plaza, 4th Floor, Christian Basti  
G.S. Road, Guwahati - 781 005  
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Sector-1, Kolkata - 700 064  
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Fax : 033 2334 0505  
E-mail : kolkata@topcem.in

**Registered Office :**  
Village: Thangskai, P.O. & P.S. Lumshing  
District : East Jaintia Hills, Meghalaya, PIN 793210  
Tel. : 03655 278324 / 383 / 384  
Fax : 03655 278327  
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666

Report No.: ENV/MCL/25-26/AA-11/01  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

Report Issued To: MEGHALAYA CEMENTS LIMITED

Village: Thangskai, P.O.: Lumshnong, Meghalaya

### AMBIENT AIR QUALITY TEST RESULTS

| LOCATIONS<br>↓  | Date of<br>Sampling | PM <sub>2.5</sub><br>( $\mu\text{g}/\text{m}^3$ ) | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NH <sub>3</sub><br>( $\mu\text{g}/\text{m}^3$ ) | CO<br>( $\text{mg}/\text{m}^3$ ) | O <sub>3</sub><br>( $\mu\text{g}/\text{m}^3$ ) | BI(a)P<br>( $\text{ng}/\text{m}^3$ ) | C <sub>6</sub> H <sub>6</sub><br>( $\mu\text{g}/\text{m}^3$ ) | Ni<br>( $\text{ng}/\text{m}^3$ ) | As<br>( $\text{ng}/\text{m}^3$ ) | Pb<br>( $\mu\text{g}/\text{m}^3$ ) |
|-----------------|---------------------|---------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------|------------------------------------------------|--------------------------------------|---------------------------------------------------------------|----------------------------------|----------------------------------|------------------------------------|
| LIMITS<br>→     | -                   | 60<br>(24 hrs.<br>Average)                        | 100<br>(24 hrs.<br>Average)                      | 80<br>(24 hrs.<br>Average)                      | 80<br>(24 hrs.<br>Average)                      | 400<br>(24 hrs.<br>Average)                     | 4.0<br>(1 hr.<br>Average)        | 180<br>(1 hr.<br>Average)                      | 1.0<br>(Annual<br>Average)           | 5.0<br>(Annual<br>Average)                                    | 20<br>(Annual<br>Average)        | 6.0<br>(Annual<br>Average)       | 1.0<br>(24 hrs.<br>Average)        |
| Wahajer Village | 22.11.2025          | 16.3                                              | 36.8                                             | <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 (CIP), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No.: ENV/MCL/25-26/AA-11/03  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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<br>( $\mu\text{g}/\text{m}^3$ ) | PM 10<br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) |
|---------|-------------------------|------------------|----------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------------|
|         | LIMIT(S) →              |                  | 60                                     | 100                                   | 80                                              | 80                                              |
| 01      | Near CCR Building       | 23.11.2025       | 33.8                                   | 67.3                                  | 7.6                                             | 8.4                                             |
| 02      | Near Residential Colony | 23.11.2025       | 25.4                                   | 55.9                                  | 6.4                                             | 7.1                                             |
| 03      | Near substation         | 23.11.2025       | 36.8                                   | 69.8                                  | 9.5                                             | 12.8                                            |

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-11/05  
Date: 09/12/2025

Order No.: 4700036923  
Date: 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                   |         |          |
|------------------------------|------------------------------|-------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/05 |         |          |
| 02                           | Date of Sampling             | 23.11.2025        |         |          |
| 03                           | Material of Construction     | M. S.             |         |          |
| 04                           | Stack Attached To            | Primary Crusher   |         |          |
| 05                           | Stack Diameter (Meter)       | 1.19              |         |          |
| 06                           | Flue Gas Temperature (°C)    | 27                |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 4.1               |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 16309             |         |          |
| 09                           | Type of Fuel Used            | NA*               |         |          |
| Analysis Results of Flue Gas |                              |                   |         |          |
| Sl. No.                      | Parameter(s)                 | Result(s)         | Unit(s) | Limit(s) |
| 1.                           | Particulate Matter           | 16                | mg/Nm³  | 30       |

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/SE-11/06  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                   |         |          |
|------------------------------|------------------------------|-------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/06 |         |          |
| 02                           | Date of Sampling             | 23.11.2025        |         |          |
| 03                           | Material of Construction     | M. S.             |         |          |
| 04                           | Stack Attached To            | Secondary Crusher |         |          |
| 05                           | Stack Diameter (Meter)       | 1.0               |         |          |
| 06                           | Flue Gas Temperature (°C)    | 29                |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 4.3               |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 11998             |         |          |
| 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



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

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                           |         |          |
|------------------------------|------------------------------|---------------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/11         |         |          |
| 02                           | Date of Sampling             | 24.11.2025                |         |          |
| 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) | 15.4                      |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 260125                    |         |          |
| 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)     | 596                       | mg/Nm³  | 1000     |
| iii.                         | Oxides of Nitrogen (as NOₓ)  | 287                       | mg/Nm³  | 600      |
| iv.                          | Carbon Monoxide (as CO)      | 210                       | mg/Nm³  | NA       |
| v.                           | Carbon Dioxide (as CO₂)      | 5.9                       | %       | NA       |
| vi.                          | Oxygen (as O₂)               | 11.8                      | %       | NA       |

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-11/10  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                           |         |          |
|------------------------------|------------------------------|---------------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/10         |         |          |
| 02                           | Date of Sampling             | 24.11.2025                |         |          |
| 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)    | 171                       |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 15.2                      |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 226173                    |         |          |
| 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           | 20                        | mg/Nm³  | 30       |
| ii.                          | Sulphur Dioxide (as SO₂)     | 613                       | mg/Nm³  | 1000     |
| iii.                         | Oxides of Nitrogen (as NOₓ)  | 297                       | mg/Nm³  | 600      |
| iv.                          | Carbon Monoxide (as CO)      | 229                       | mg/Nm³  | NA       |
| v.                           | Carbon Dioxide (as CO₂)      | 6.2                       | %       | NA       |
| vi.                          | Oxygen (as O₂)               | 11.8                      | %       | NA       |

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-11/12

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                                |                              |                   |         |          |
|--------------------------------|------------------------------|-------------------|---------|----------|
| 01                             | Test Ref. No.                | MCL/2025/SE-11/12 |         |          |
| 02                             | Date of Sampling             | 24.11.2025        |         |          |
| 03                             | Material of Construction     | M. S.             |         |          |
| 04                             | Stack Attached To            | VRM               |         |          |
| 05                             | Stack Diameter (Meter)       | 1.18              |         |          |
| 06                             | Flue Gas Temperature (°C)    | 61                |         |          |
| 07                             | Exit Velocity of Gas (m/sec) | 10.2              |         |          |
| 08                             | Flow Rate (Nm³/hr)           | 35833             |         |          |
| 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/Nm³  | 30       |



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Report No.: ENV/MCL/25-26/SE-11/01

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                     |         |          |
|------------------------------|------------------------------|---------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/01   |         |          |
| 02                           | Date of Sampling             | 22.11.2025          |         |          |
| 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)    | 114                 |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 7.4                 |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 126329              |         |          |
| 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



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Report No.: ENV/MCL/25-26/SE-11/02  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                     |         |          |
|------------------------------|------------------------------|---------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/02   |         |          |
| 02                           | Date of Sampling             | 22.11.2025          |         |          |
| 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)    | 118                 |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 7.7                 |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 130105              |         |          |
| 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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Report No.: ENV/MCL/25-26/SE-11/03

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                   |         |          |
|------------------------------|------------------------------|-------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/03 |         |          |
| 02                           | Date of Sampling             | 22.11.2025        |         |          |
| 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)    | 66                |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 11.5              |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 41165             |         |          |
| 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/Nm³  | 30       |

\*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/25-26/SE-11/04

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                   |         |          |
|------------------------------|------------------------------|-------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/04 |         |          |
| 02                           | Date of Sampling             | 22.11.2025        |         |          |
| 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)    | 63                |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 12.8              |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 46227             |         |          |
| 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-11/07

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                     |         |          |
|------------------------------|------------------------------|---------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/07   |         |          |
| 02                           | Date of Sampling             | 23.11.2025          |         |          |
| 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)    | 28                  |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 13.2                |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 13083               |         |          |
| 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



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Report No.: ENV/MCL/25-26/SE-11/08

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                     |         |          |
|------------------------------|------------------------------|---------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/08   |         |          |
| 02                           | Date of Sampling             | 23.11.2025          |         |          |
| 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) | 11.6                |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 32155               |         |          |
| 09                           | Type of Fuel Used            | NA*                 |         |          |
| Analysis Results of Flue Gas |                              |                     |         |          |
| Sl. No.                      | Parameter(s)                 | Result(s)           | Unit(s) | Limit(s) |
| 1.                           | 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-11/09  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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

### STACK EMISSION TEST RESULTS

|                              |                              |                           |         |          |
|------------------------------|------------------------------|---------------------------|---------|----------|
| 01                           | Test Ref. No.                | MCL/2025/SE-11/09         |         |          |
| 02                           | Date of Sampling             | 24.11.2025                |         |          |
| 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)    | 97                        |         |          |
| 07                           | Exit Velocity of Gas (m/sec) | 7.3                       |         |          |
| 08                           | Flow Rate (Nm³/hr)           | 106421                    |         |          |
| 09                           | Type of Fuel Used            | Coal                      |         |          |
| Analysis Results of Flue Gas |                              |                           |         |          |
| SL No.                       | Parameter(s)                 | Result(s)                 | Unit(s) | Limit(s) |
| I.                           | Particulate Matter           | 41                        | mg/Nm³  | 50       |
| II.                          | Sulphur Dioxide (as SO₂)     | 428                       | mg/Nm³  | 600      |
| III.                         | Oxides of Nitrogen (as NOₓ)  | 189                       | mg/Nm³  | 300      |



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Report No.: ENV/MCL/25-26/N-11/01  
Date : 09/12/2025

Order No.: 4700036923  
Date : 08/11/2025

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      |              |
|---------|--------------------|---------------------|-----------------|--------------|-----------------|--------------|
|         |                    |                     | $L_{eq}$ (dB-A) | Limit (dB-A) | $L_{eq}$ (dB-A) | Limit (dB-A) |
| 1       | Near Substation    | 23.11.2025          | 68.2            | 75           | 66.2            | 70           |
| 2       | Residential Colony | 23.11.2025          | 46.3            | 75           | 42.5            | 70           |
| 3       | Wahijjer Village   | 22.11.2025          | 41.8            | 55           | 38.3            | 45           |
| 4       | Near CCR Building  | 23.11.2025          | 68.9            | 75           | 66.3            | 70           |



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/25-26/WW-11/01

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### WASTE WATER ANALYSIS RESULTS

Sample Ref. No.: MCL/2025/ETP-2511/01

Sample Source : ETP Outlet (MCL)

Sample Type : ETP Treated Water

Collected On : 25-11-2025

Received On : 29-11-2025

Collected By : ENVIROCON Representative

| Sl. No. | Parameters                                          | Results | Limit<br>[G.S.R. 422(E), 19.05.1993]                          |
|---------|-----------------------------------------------------|---------|---------------------------------------------------------------|
| 1       | Ph                                                  | 6.72    | 6.5 - 9.0                                                     |
| 2       | Temperature, °C                                     | 25.3    | shall not exceed 5°C above the<br>receiving water temperature |
| 3       | Total Suspended Solids (as TSS), mg/l               | 28      | 100                                                           |
| 4       | Biochemical Oxygen Demand (as BOD), mg/l            | 21      | 30                                                            |
| 5       | Chemical Oxygen Demand (as COD), mg/l               | 67      | 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                     | 9.9     | 50                                                            |
| 9       | Total Kjeldahl Nitrogen (as NH <sub>3</sub> ), mg/l | 29      | 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

**NOTE:**

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Report No.: ENV/MCL/25-26/WW-11/02

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### WASTE WATER ANALYSIS RESULTS

Sample Ref. No.: MCL/2025/STP-2511/01

Sample Source : STP Outlet (MCL)

Sample Type : STP Treated Water

Collected On : 25-11-2025

Received On : 29-11-2025

Collected By : ENVIROCON Representative

| Sl. No. | Parameters                                          | Results | Limit<br>[G.S.R. 1265 (E), 2017] |
|---------|-----------------------------------------------------|---------|----------------------------------|
| 1       | Ph                                                  | 7.14    | 6.5 - 9.0                        |
| 2       | Total Suspended Solids (as TSS), mg/l               | 29      | <100                             |
| 3       | Fecal Coliform (as FC), MPN/100 ml                  | 639     | <1000                            |
| 4       | Biochemical Oxygen Demand (as BOD), mg/l            | 25      | 30                               |
| 5       | Chemical Oxygen Demand (as COD), mg/l               | 92      | 250*                             |
| 6       | Oil & Grease, mg/l                                  | <4.0    | 10.0*                            |
| 7       | Total Residual Chlorine, mg/l                       | 0.08    | 1.0*                             |
| 8       | Ammonical Nitrogen (as N), mg/l                     | 6.9     | 50*                              |
| 9       | Total Kjeldahl Nitrogen (as NH <sub>3</sub> ), mg/l | 21      | 100*                             |
| 10      | Free Ammonia (as NH <sub>3</sub> ), mg/l            | <0.01   | 5.0*                             |

Analysis Protocol: IS 3025

MPN: Most Probable Number

\*Limit as per G.S.R. 422(E), 19.05.1993



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/25-26/SW-11/01

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### SURFACE WATER ANALYSIS RESULTS

Sample Ref. No.: MCL/2025/SW-2511/01

Collected On : 25-11-2025

Sample Source : Um-Lunar River Upstream

Received On : 29-11-2025

Sample Type : Surface Water

Collected By : Envirocon Representative

| Sl. No. | Parameters                                       | Results   | Acceptable Limit* | Permissible Limit*<br>in the Absence of<br>Alternate Source |
|---------|--------------------------------------------------|-----------|-------------------|-------------------------------------------------------------|
| 1.      | Colour, Hazen Units, Max.                        | 16        | 5                 | 15                                                          |
| 2.      | Odour                                            | Agreeable | Agreeable         | Agreeable                                                   |
| 3.      | Temperature                                      | 25.2      | --                | --                                                          |
| 4.      | pH Value                                         | 6.71      | 6.5 - 8.5         | No Relaxation                                               |
| 5.      | Suspended Solids                                 | 44        | --                | --                                                          |
| 6.      | Total Dissolved Solids, mg/l, Max.               | 91        | 500               | 2000                                                        |
| 7.      | Conductivity, $\mu S/cm$                         | 162       | --                | --                                                          |
| 8.      | Dissolved Oxygen, mg/l, Min.                     | 6.6       | --                | --                                                          |
| 9.      | Biochemical Oxygen Demand, mg/l, Max.            | <1.0      | --                | --                                                          |
| 10.     | Chemical Oxygen Demand, mg/l, Max.               | 26        | --                | --                                                          |
| 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.                      | 14        | 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.            | 0.7       | --                | --                                                          |
| 19.     | Total Kjeldahl Nitrogen (as $NH_3$ ), mg/l, Max. | 2.9       | --                | --                                                          |
| 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.



Report No.: ENV/MCL/25-26/SW-11/02

Date : 09/12/2025

Order No.: 4700036923

Date : 08/11/2025

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

### **SURFACE WATER ANALYSIS RESULTS**

Sample Ref. No.: MCL/2025/SW-2511/02  
Collected On : 25-11-2025

Sample Source : Um-Lunar River Downstream  
Received On : 29-11-2025

Sample Type : Surface Water  
Collected By : Envirocon Representative

| Sl. No. | Parameters                                       | Results   | Acceptable Limit* | Permissible Limit*<br>in the Absence of<br>Alternate Source |
|---------|--------------------------------------------------|-----------|-------------------|-------------------------------------------------------------|
| 1.      | Colour, Hazen Units, Max.                        | 19        | 5                 | 15                                                          |
| 2.      | Odour                                            | Agreeable | Agreeable         | Agreeable                                                   |
| 3.      | Temperature                                      | 25.3      | --                | --                                                          |
| 4.      | pH Value                                         | 6.64      | 6.5 - 8.5         | No Relaxation                                               |
| 5.      | Suspended Solids                                 | 54        | --                | --                                                          |
| 6.      | Total Dissolved Solids, mg/l, Max.               | 93        | 500               | 2000                                                        |
| 7.      | Conductivity, $\mu S/cm$                         | 159       | --                | --                                                          |
| 8.      | Dissolved Oxygen, mg/l, Min.                     | 6.4       | --                | --                                                          |
| 9.      | Biochemical Oxygen Demand, mg/l, Max.            | <1.0      | --                | --                                                          |
| 10.     | Chemical Oxygen Demand, mg/l, Max.               | 36        | --                | --                                                          |
| 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.                      | 19        | 75                | 200                                                         |
| 15.     | Magnesium (as Mg), mg/l, Max.                    | 7         | 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.            | 1.7       | --                | --                                                          |
| 19.     | Total Kjeldahl Nitrogen (as $NH_3$ ), mg/l, Max. | 3.4       | --                | --                                                          |
| 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: 10.12.2025

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 **November'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

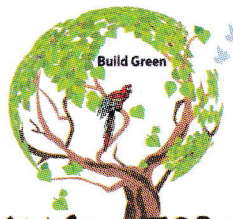
Authorized Signatory



**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/FE-11/01

Date : 09/12/2025

Order No.: 4700036923

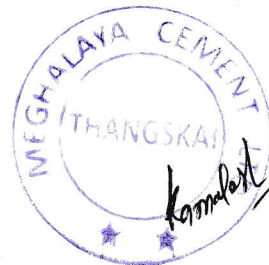
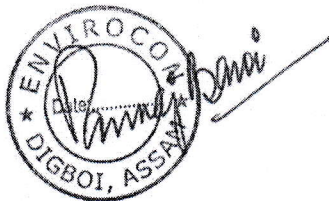
Date : 08/11/2025

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  | 24.11.2025       | 1258                                         | 2000                                |
| 02      | CPP Coal Yard         | 24.11.2025       | 1376                                         | 2000                                |
| 03      | Clinker Loading Point | 23.11.2025       | 3421                                         | 5000                                |
| 04      | Raw Material Yard     | 23.11.2025       | 3273                                         | 5000                                |

Analysis Protocol: IS 5182



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

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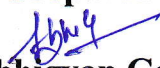
**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



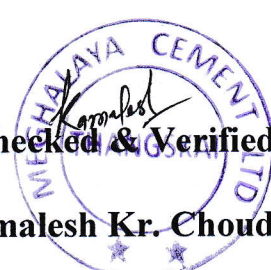
## **PROCESS FUGITIVE EMISSION TEST RESULTS**

**November'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> |
|------------------------|-------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 10.11.2025             | Lime stone Storage Area | 3042                                                                           | 5000                                                                   |
| 11.11.2025             | Coal Storage Area       | 1358                                                                           | 2000                                                                   |
| 12.11.2025             | Clinker Loading Area    | 2947                                                                           | 5000                                                                   |
| 13.11.2025             | Cement Loading Area     | 3087                                                                           | 5000                                                                   |
| 14.11.2025             | Coal Storage Area (CPP) | 1156                                                                           | 2000                                                                   |
| 15.11.2025             | Fly Ash Silo Area (CPP) | 1219                                                                           | 2000                                                                   |

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

**Checked & Verified by**  
  
**(Kamalesh Kr. Choudhary)**





# MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.12.2025

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 November'2025.

Month

Water Consumption

November'2025

12,296m<sup>3</sup>

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

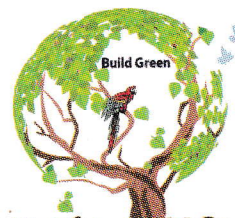
Authorized Signatory



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**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

CIN-U26942ML2003PLC007125



To,

Date: 10.12.2025

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 November'2025

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
Authorized Signatory

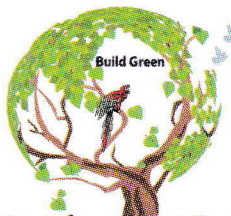


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Village: Thangskai, P.O. & P.S. Lumshnong  
District : East Jaintia Hills, Meghalaya, PIN: 793210  
Tel. : 03655 278324 / 363 / 364  
Fax : 03655 278327  
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666





# MEGHALAYA CEMENTS LIMITED

## FORM - I

(See Rule 4)

Return : Water consumed during the month of November'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) 492196<br>(b) 82452<br>(c) 891472                                        | (a) 494451<br>(b) 83623<br>(c) 893639                                 | 5,593                                    | -                                                                                                                  | -                                                                 | Qty. of water consumed from river water = 5,593 + 13,189 = 18,782KL |
|                                                                                                    | Industrial cooling (Cement Plant) | River                       | (a) 419679<br>(b) 497244<br>(c) 1018000                                      | (a) 427644<br>(b) 511469<br>(c) 1025173                               | 13,189                                   | -                                                                                                                  | -                                                                 | Qty of water circulation & returned = 12,849 + 3,757 = 14,036 KL    |
|                                                                                                    | Industrial cooling (WHRS)         | River                       | -                                                                            | -                                                                     | 6,432                                    | -                                                                                                                  | -                                                                 | 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 = 31, 22, 515  
Final reading of the return line flow meter at end of month= 31,34,913

(2) Initial reading of S.T.P flow meter at the beginning of the month = 2, 32, 307  
Final reading of S.T.P flow meter at the end of the month= 2, 36, 083

