



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.01.2025

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


Dear Sir,

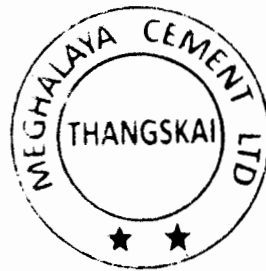
We are herewith submitting the Ambient Air Quality Survey report, Ambient Noise Survey report and Water Analysis report for the month of **December'2024** for Limestone mining for an area of 31.05 Ha, at South Khliehjeri.

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/24-25/AA-12/02
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near Soil Dump	21.12.2024	39.2	68.3	7.7	8.2
02	Near Haul Road	21.12.2024	41.3	71.3	8.6	9.3
03	Near Lease Boundary	21.12.2024	37.2	64.7	7.2	7.7

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

<p>NOTE:</p> <ol style="list-style-type: none"> 1. Results reported are valid at the time of and under the prevailing conditions of measurement. 2. Results refer only to the particular parameters tested. 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.
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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/MCL/24-25/AA-12/01
 Date: 07/01/2025

Order No.: 4700032842
 Date: 11/12/2024

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 ₂ (µg/m³)	NO ₂ (µg/m³)	NH ₃ (µg/m³)	CO (mg/m³)	O ₃ (µg/m³)	B(a)P (ng/m³)	C ₆ H ₆ (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)
Near Residential Colony	21.12.2024	33.6	66.9	6.6	7.1	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Wahiajer Village	22.12.2024	28.9	47.4	5.3	6.2	<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/24-25/N-12/02

Date : 07/01/2025

Order No.: 4700032842

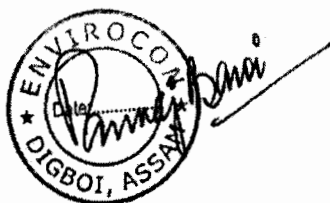
Date : 11/12/2024

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	21.12.2024	66.7	75	60.7	70
2	Near Soil Dump	21.12.2024	62.5	75	56.9	70
3	Near Lease Boundary	21.12.2024	65.9	75	62.6	70



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Report No.: ENV/MCL/24-25/SW-12/01
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2312/01
Collected On : 23-12-2024

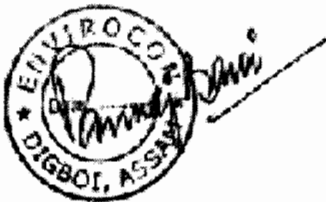
Sample Source : Um-Lunar River Upstream
Received On : 27-12-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	11	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.73	6.5 - 8.5	No Relaxation
5.	Suspended Solids	36	--	--
6.	Total Dissolved Solids, mg/l, Max.	76	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	148	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.5	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	33	--	--
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.	7.2	200	600
14.	Calcium (as Ca), mg/l, Max.	19	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	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.	0.5	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	2.8	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

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

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2312/02

Sample Source : Um-Lunar River Downstream

Sample Type : Surface Water

Collected On : 23-12-2024

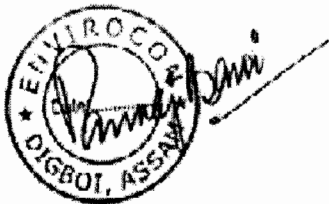
Received On : 27-12-2024

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	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	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, μ S/cm	152	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.5	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	35	--	--
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.	7.6	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	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.	0.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	3.2	--	--
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/24-25/DW-12/02
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/02
Collected On : 23-12-2024

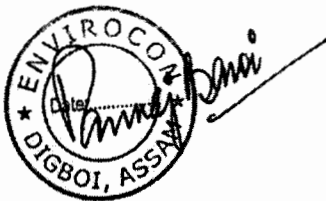
Sample Source : Guest House
Received On : 27-12-2024

Sample Type : Drinking Water
Collected By : Envirocon Representative

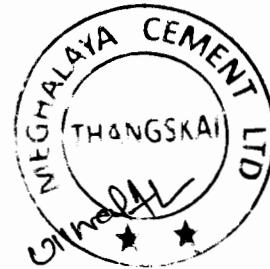
Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	<0.01	1	5
5.	pH	6.75	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	33	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	2.6	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/02
Collected On : 23-12-2024

Sample Source : Guest House
Received On : 27-12-2024

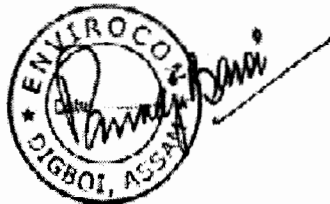
Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	55	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	2.6	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
--End of Report--				

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/DW-12/01
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/01
Collected On : 23-12-2024

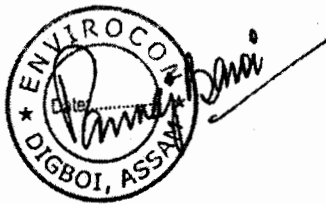
Sample Source : Residential Colony
Received On : 27-12-2024

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	<0.01	1	5
5.	pH	6.76	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	31	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	2.5	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/01
Collected On : 23-12-2024

Sample Source : Residential Colony
Received On : 27-12-2024

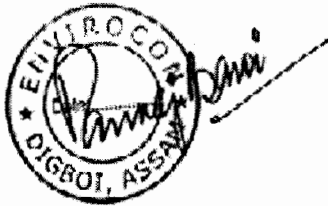
Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	39	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	2.7	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
--End of Report--				

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125

etc



To,

Date: 10.01.2025

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 **December'2024** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,

Handwritten signature
13/01/25

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Handwritten signature
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

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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/24-25/AA-12/01
Date : 07/01/2025

Order No. : 4700032842
Date : 11/12/2024

Report issued To: **MEGHALAYA CEMENTS LIMITED**

Village: Thangskai, PO: Lumshong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)	NH ₃ (µg/m³)	CO (mg/m³)	O ₃ (µg/m³)	B(a)P (ng/m³)	C ₆ H ₆ (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)
Near Residential Colony	21.12.2024	33.6	66.9	6.6	7.1	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Wahiajer Village	22.12.2024	28.9	47.4	5.3	6.2	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroj, ENVIROCON

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Report No.: ENV/MCL/24-25/AA-12/03
Date : 07/01/2025

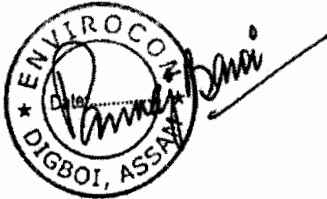
Order No.: 4700032842
Date : 11/12/2024

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

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →					
		---	60	100	80	80
01	Near CCR Building	22.12.2024	39.5	66.1	5.7	7.1
02	Near LS Crusher	22.12.2024	44.7	77.3	7.8	8.6
03	Near CPP Area	22.12.2024	48.2	79.6	8.9	10.2

Analysis Protocol: IS 5182



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Report No.: ENV/MCL/24-25/SE-12/11
Date : 07/01/2025

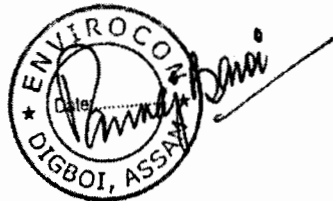
Order No.: 4700032842
Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/11		
02	Date of Sampling	23.12.2024		
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)	4.4		
08	Flow Rate (Nm ³ /hr)	17445		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	17	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/12
 Date : 07/01/2025

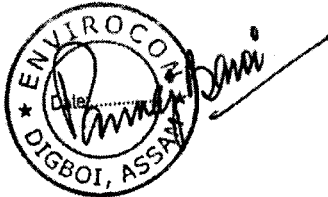
Order No.: 4700032842
 Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/12		
02	Date of Sampling	23.12.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Secondary Crusher		
05	Stack Diameter (Meter)	1.0		
06	Flue Gas Temperature (°C)	30		
07	Exit Velocity of Gas (m/sec)	4.6		
08	Flow Rate (Nm ³ /hr)	12793		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-12/03

Date : 07/01/2025

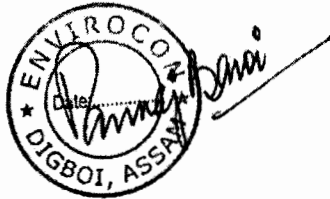
Order No.: 4700032842

Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/03		
02	Date of Sampling	21.12.2024		
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)	172		
07	Exit Velocity of Gas (m/sec)	19.8		
08	Flow Rate (Nm ³ /hr)	337452		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	601	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	334	mg/Nm ³	600



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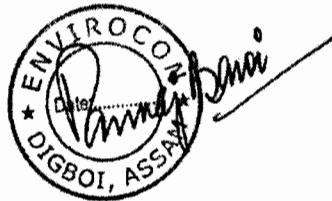
Report No.: ENV/MCL/24-25/SE-12/04
 Date : 07/01/2025

Order No.: 4700032842
 Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/04		
02	Date of Sampling	21.12.2024		
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)	169		
07	Exit Velocity of Gas (m/sec)	17.7		
08	Flow Rate (Nm ³ /hr)	264565		
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	25	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	632	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	272	mg/Nm ³	600



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Report No.: ENV/MCL/24-25/SE-12/01

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

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

Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/01		
02	Date of Sampling	21.12.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill – 1		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	54		
07	Exit Velocity of Gas (m/sec)	12.7		
08	Flow Rate (Nm ³ /hr)	45571		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30

*NA: Not Applicable



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

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

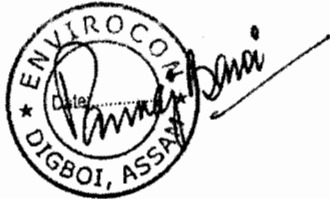
Report Issued To: **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/02		
02	Date of Sampling	21.12.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill - 2		
05	Stack Diameter (Meter)	1.18		
06	Flue Gas Temperature (°C)	48		
07	Exit Velocity of Gas (m/sec)	11.5		
08	Flow Rate (Nm ³ /hr)	42036		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/05
Date : 07/01/2025

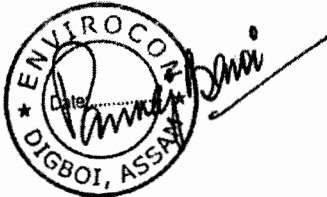
Order No.: 4700032842
Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/05		
02	Date of Sampling	22.12.2024		
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)	112		
07	Exit Velocity of Gas (m/sec)	6.5		
08	Flow Rate (Nm ³ /hr)	111541		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/06
 Date : 07/01/2025

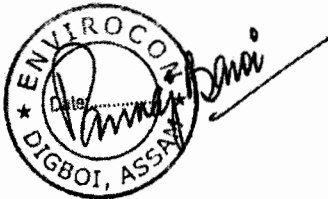
Order No.: 4700032842
 Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/06		
02	Date of Sampling	22.12.2024		
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)	113		
07	Exit Velocity of Gas (m/sec)	7.1		
08	Flow Rate (Nm ³ /hr)	121521		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/07

Order No.: 4700032842

Date : 07/01/2025

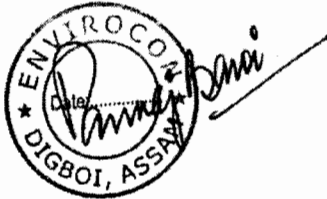
Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/07		
02	Date of Sampling	22.12.2024		
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)	65		
07	Exit Velocity of Gas (m/sec)	12.5		
08	Flow Rate (Nm ³ /hr)	44877		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SE-12/08

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

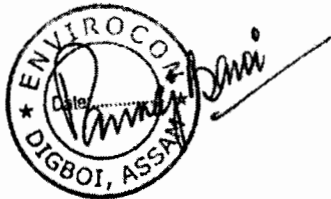
Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/08		
02	Date of Sampling	22.12.2024		
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)	73		
07	Exit Velocity of Gas (m/sec)	15.2		
08	Flow Rate (Nm³/hr)	53308		
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/24-25/SE-12/09

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

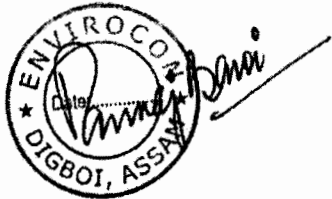
Report Issued To : **M/S. MEGHALAYA CEMENTS LIMITED**

Village: Thangskai; PO: Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/09		
02	Date of Sampling	23.12.2024		
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)	12.7		
08	Flow Rate (Nm ³ /hr)	12546		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/10
 Date : 07/01/2025

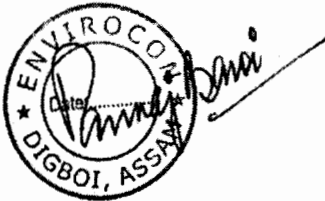
Order No.: 4700032842
 Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/10		
02	Date of Sampling	23.12.2024		
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)	15.2		
08	Flow Rate (Nm ³ /hr)	42134		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



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Report No.: ENV/MCL/24-25/SE-12/13

Date : 07/01/2025

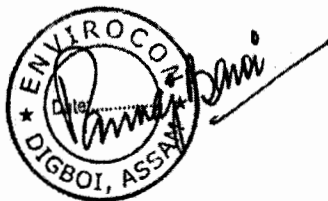
Order No.: 4700032842

Date : 11/12/2024

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	MCL/2024/SE-12/13		
02	Date of Sampling	23.12.2024		
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)	6.6		
08	Flow Rate (Nm ³ /hr)	95699		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	44	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	422	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	187	mg/Nm ³	300



Checked By: Mr. Pankaj Baroi, ENVIROCON

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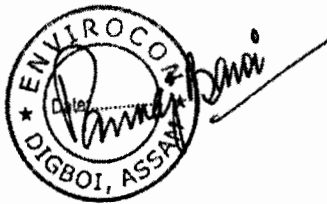
Report No.: ENV/MCL/24-25/N-12/01
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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	22.12.2024	42.9	55	40.9	45
2	Near L.S Crusher	22.12.2024	71.6	75	66.4	70
3	Thangskai Village	22.12.2024	43.6	55	38.8	45
4	Near CCR Building	22.12.2024	69.7	75	66.3	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/SW-12/01
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2312/01
Collected On : 23-12-2024

Sample Source : Um-Lunar River Upstream
Received On : 27-12-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	11	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.2	--	--
4.	pH Value	6.73	6.5 - 8.5	No Relaxation
5.	Suspended Solids	36	--	--
6.	Total Dissolved Solids, mg/l, Max.	76	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	148	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.5	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	33	--	--
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.	7.2	200	600
14.	Calcium (as Ca), mg/l, Max.	19	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	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.	0.5	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	2.8	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

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

Village: Thangskai; PO: Lumshnong, Meghalaya

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/SW-2312/02

Sample Source : Um-Lunar River Downstream

Sample Type : Surface Water

Collected On : 23-12-2024

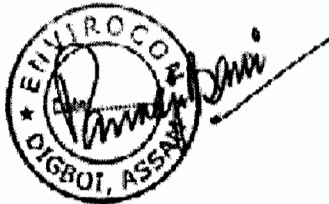
Received On : 27-12-2024

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	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	43	--	--
6.	Total Dissolved Solids, mg/l, Max.	81	500	2000
7.	Conductivity, μ S/cm	152	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.5	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	35	--	--
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.	7.6	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	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.	0.8	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	3.2	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/DW-12/01

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

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

Village: Thangskai; PO: Lumshnong, Meghalaya

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/01

Sample Source : Residential Colony

Sample Type : Drinking Water

Collected On : 23-12-2024

Received On : 27-12-2024

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour , Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	<0.01	1	5
5.	pH	6.76	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	31	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	2.5	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/MCL/24-25/DW-12/01
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/01
Collected On : 23-12-2024

Sample Source : Residential Colony
Received On : 27-12-2024

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	39	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	2.7	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Date : 07/01/2025

Order No.: 4700032842

Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/02

Collected On : 23-12-2024

Sample Source : Guest House

Received On : 27-12-2024

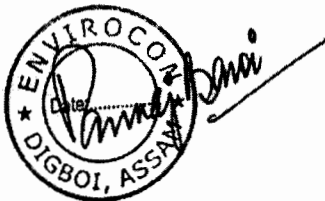
Sample Type : Drinking Water

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	<0.01	1	5
5.	pH	6.75	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	33	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	<1.0	75	200
10.	Chloride (as Cl), mg/l, Max	2.6	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	<0.001	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	<1.0	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	<0.01	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON



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Report No.: ENV/MCL/24-25/DW-12/02
Date : 07/01/2025

Order No.: 4700032842
Date : 11/12/2024

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

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : MCL/2024/DW-2312/02
Collected On : 23-12-2024

Sample Source : Guest House
Received On : 27-12-2024

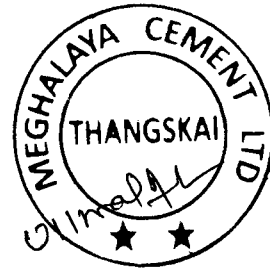
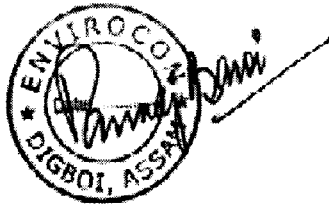
Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	55	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	2.6	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
--End of Report--				

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.01.2025

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 **December'2024** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Mul...
Authorized Signatory



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. Lumshong
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/24-25/FE-12/01

Date : 07/01/2025

Order No.: 4700032842

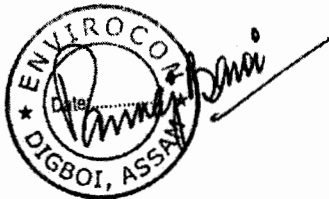
Date : 11/12/2024

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

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Cement Loading Point	23.12.2024	1057	2000
02	CPP Coal Storage	23.12.2024	1269	2000
03	Clinker Loading Point	21.12.2024	2386	5000
04	Raw Material Yard	21.12.2024	1793	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

PROCESS FUGITIVE EMISSION TEST RESULTS

December'2024

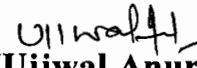
Date of Testing	Location	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	As per the Standard Limit ($\mu\text{g}/\text{m}^3$)
17.12.2024	Lime stone Storage Area	1764	5000
18.12.2024	Coal Storage Area	1629	2000
20.12.2024	Clinker Loading Area	2237	5000
21.12.2024	Cement Loading Area	2685	5000
23.12.2024	Coal Storage Area (CPP)	1019	2000
24.12.2024	Fly Ash Silo Area (CPP)	1374	2000

Prepared by


Abhigyan gautam



Checked & Verified by


(Ujjwal Anurag)



MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125



To,

Date: 10.01.2025

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

Dear Sir,

We are herewith submitting the water consumption report of 10 MW Captive Power Plant for the month of **December'2024**.

Month

Water Consumption

December'2024

16,663m³

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Mul...
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





MEGHALAYA CEMENTS LIMITED

CIN-U26942ML2003PLC007125

o/c



To,

Date: 10.01.2025

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

Dear Sir,

We are herewith submitting the water consumption report of 2600 TPD Cement Manufacturing Plant for the month of December'2024.

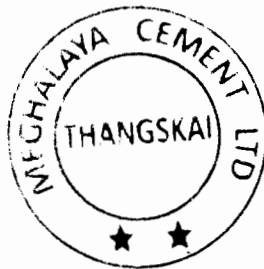
Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Mani
13/01/25


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

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MEGHALAYA CEMENTS LIMITED

FORM - I

(See Rule 4)

Return : Water consumed during the month of December' 2024

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) 470045 (b) 69480 (c) 870332	(a) 472568 (b) 70968 (c) 872444	6123	-	-	Qty. of water consumed from river water = 6,123 + 16,464 = 22,587 KL Qty of water circulation returned = 9,357+3,934 = 13291 KL
	Industrial cooling (Cement Plant)	River	(a) 347000 (b) 370800 (c) 937745	(a) 354861 (b) 382993 (c) 947446	16464	-	-	
	Industrial cooling (WHRS)	River	-	-	7846	-	-	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 = 29, 85,723

Final reading of the return line flow meter at the end of month= 30, 00,068

(2) Initial reading of S.T.P flow meter at the beginning of the month = 1, 96,025

Final reading of S.T.P flow meter at the end of the month= 1, 99,959

