



# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.06.2022

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


Dear Sir,

We are herewith submitting the Ambient Air Quality Survey report for the month of May'2022 for Limestone mining for an area of 31.05 Ha, at South Khliehjeri.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
R.K. Pareek  
(President)



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

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

HELPLINE NO : 18001233666

**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. Lamsing  
District : East Jaintia Hills, Meghalaya, PIN: 793210  
Tel. : +91 86742 17765 / 70850 56489 / 98825 98599  
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**M/s MEGHALAYA CEMENTS LIMITED**  
**AMBIENT AIR QUALITY SURVEY**

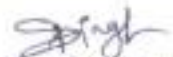
MCL/ENV/LSM-AAQM/2022-23

Location of sampling	South Khliehji Limestone Mine (31.05 Ha)
Date duration of sampling	21.04.2022 to 22.04.2022
Time Duration of sampling	48 hours
Weather	Cloudy
Total Rain Fall, mm (On Date)	00.00 mm
Ambient Temperature (°C) :	Max. - 23.85°C, Min. - 15.71°C
Relative Humidity (%) :	Max. - 96.02%, Min. - 69.59%
Wind direction	→E (112.20°)

Pollutants	Analysis Results			Permissible Limits for Rural Areas (By MSPCB 24 hrs Monitoring)
	Station No. & Air Quality Survey No.			
	A1. North -East (Near Soil Dump) D/07/2022-23	A2. North - West (Near Haul Road) D/08/2022-23	A3. Southern side (Near Lease Boundary) D/09/2022-23	
	48 hrs.	48 hrs	48 hrs	
Particulate Matters PM10 (µg/m <sup>3</sup> )	53.21	55.69	48.43	100
Particulate Matters PM2.5 (µg/m <sup>3</sup> )	31.58	36.79	33.24	60

Remarks : The Parameters analysed were found to be within the permissible Limits of Ambient Air Quality Standards (National) for Rural Areas as per EPA Notification GSR 176, April 1996.

Prepared by

  
(Arti Singh)

Checked & Verified By

  
(Ujjwal Anurag)





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**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 07.06.2022

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

Dear Sir,

We are herewith submitting the Ambient Air Quality survey report along with stack analysis report for the month of May'2022 for 2600 TPD Cement Manufacturing Plant along with 10 MW Captive Power Plant report respectively.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
R.K. Pareek  
(President)



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Registered Office :  
Village: Thangskai, P.O. & P.S. Lumshong  
District : East Jaintia Hills, Meghalaya, PIN: 793210  
Tel. : +91 85742 17766 / 70650 58480 / 98525 09089  
E-mail : meghalaya@topcem.in



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50001:2011 Certified Company

HELPLINE NO : 18001233666

# MEGHALAYA CEMENTS LIMITED

## AMBIENT AIR QUALITY SURVEY


Location of sampling		MCL, Thangskai			
Date of sampling		23.05.2022 & 24.05.2022			
Distance between the industry and sampling Location		100.0 meters 20.00 meters 25.00 meters 10.00 meters			
Time duration of sampling		48 hrs			
Weather		Clear			
Total Rainfall, mm(On Date)		04.00 mm			
Ambient Temperature( <sup>o</sup> C):					
Maximum:		27.84			
Minimum:		18.64			
Relative Humidity (%):					
Maximum:		91.77			
Minimum:		67.32			
Wind direction		→ S (161.36)			
Pollutants	Analysis results				Permissible Limits For Rural Areas (By MSPCB 24hrs Monitoring)
	Station No. & Air Quality Survey No.				
	1)Opposite Guest house A/05/2022-23	2)Near L/S Crusher A/06/2022-23	3)Near Substation (DW Direction) A/07/2022-23	4) Near CCR Building A/08/2022-23	
	24 hrs.	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM <sub>10</sub> (µg/m <sup>3</sup> )	49.68	38.47	35.96	42.24	100µg/m <sup>3</sup>
Suspended Particulate Matters PM <sub>2.5</sub> (µg/m <sup>3</sup> )	19.05	26.94	16.71	20.89	60µg/m <sup>3</sup>

**Remarks:** The parameters were analyzed and found within the permissible limits of Ambient Air Quality Standards (National) as per as the EPA Notification G.S.R.826 (E) dated 16<sup>th</sup> Nov'2009.

Prepared by

*Arti Singh*  
(Arti Singh)

Checked & Verified by

  
*Ujjwal Anirag*  
(Ujjwal Anirag)

# MEGHALAYA CEMENTS LIMITED

## CPP AMBIENT AIR QUALITY SURVEY

Location of sampling		CPP, MCL, Thangskai		
Date of sampling		30.05.2022		
Distance between the industry and sampling Location		25.0 meters 25.0 meters 25.0 meters		
Time duration of sampling		24 hrs		
Weather		Clear		
Total Rainfall, mm(On Date)		0.00 mm		
Ambient Temperature( <sup>0</sup> C):				
Maximum:		28.21		
Minimum:		19.00		
Relative Humidity (%):				
Maximum:		98.43		
Minimum:		69.47		
Wind direction		→S (161.38)		
Pollutants	Analysis results			Permissible Limits For Rural Areas (By MSPCB 24hrs Monitoring)
	Station No. & Air Quality Survey No.			
	1)Old Yard side S to E B/04/2022-23	2)Labour colony side S to W B/05/2022-23	3)JUNGLE Side N to E B/06/2022-23	
	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM <sub>10</sub> (µg/m <sup>3</sup> )	38.67	34.49	41.58	100µg/m <sup>3</sup>
Suspended Particulate Matters PM <sub>2.5</sub> (µg/m <sup>3</sup> )	23.90	21.07	19.84	60µg/m <sup>3</sup>

**Remarks:** The parameters were analyzed and found within the permissible limits of Ambient Air Quality Standards (National) as per as the EPA Notification G.S.R.826 (E) dated 16<sup>th</sup> Nov '2009.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)

# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 03.05.2022  
Type of Stack : Coal Mill-1  
Laboratory reference No : S/14/2022-23

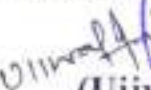
### Parameters:

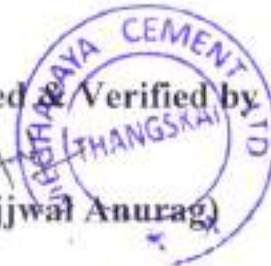
1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
13.85  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by  
  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 04.05.2022  
Type of Stack : Coal Mill-2  
Laboratory reference No : S/15/2022-23

### Parameters:

1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
23.30  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)

# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 20.05.2022  
Type of Stack : Packing Plant-1  
Laboratory reference No : S/16/2022-23

### Parameters:

1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
18.63  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)

# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 19.05.2022  
Type of Stack : Packing Plant-2  
Laboratory reference No : S/17/2022-23

### Parameters:


1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
13.59  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 24.05.2022  
Type of Stack : Cement Mill No-1  
Laboratory reference No : S/18/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm<sup>3</sup>  
27.39 mg/Nm<sup>3</sup>

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

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## STACK ANALYSIS REPORT

Name of Sampling Location : MCL, Thangskai  
Date of Sampling : 28.05.2022  
Type of Stack : Cement Mill No-2  
Laboratory reference No : S/19/2022-23

### Parameters:

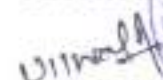
1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
  
17.60  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 25.05.2022  
Type of Stack : Primary Crusher  
Laboratory reference No : S/20/2022-23

### Parameters:

1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
13.90  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

*Arti Singh*  
(Arti Singh)

Checked & Verified by

*Ujjwal Anurag*  
(Ujjwal Anurag)



**STACK ANALYSIS REPORT**

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 25.05.2022  
Type of Stack : Secondary Crusher  
Laboratory reference No : S/21/2022-23

**Parameters:**

1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
19.35  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 05.05.2022  
Type of Stack : Cooler E.S.P-1  
Laboratory reference No : S/22/2022-23

### Parameters:

1) Particulate Matter (PM):  $\text{mg}/\text{Nm}^3$   
29.71  $\text{mg}/\text{Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 09.05.2022  
Type of Stack : Cooler E.S.P-2  
Laboratory reference No : S/23/2022-23

### Parameters:

1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
28.89  $\text{mg/Nm}^3$

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 26.05.2022  
Type of Stack : Kiln & Raw Mill (RABH-1)  
Laboratory reference No : S/24/2022-23

### Parameters:

- 1) Particulate Matter (PM) : 15.06 mg/Nm<sup>3</sup>
- 2) Oxides of Sulfur (as SO<sub>2</sub>): 372.39 mg/Nm<sup>3</sup>
- 3) Oxides of Nitrogen (NOx): 204.68 mg/Nm<sup>3</sup>

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

*Note: The SO<sub>2</sub> result mentioned in the test report based on the pyritic sulfur presence in our Limestone. The pyritic sulfur percentage in our limestone is >0.50.*

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag) \*



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 27.05.2022  
Type of Stack : Kiln& Raw Mill (RABH-2)  
Laboratory reference No : S/25/2022-23

### Parameters:

- 1) Particulate Matter (PM): 14.43 mg/Nm<sup>3</sup>
- 2) Oxides of Sulfur (as SO<sub>2</sub>): 426.82 mg/Nm<sup>3</sup>
- 3) Oxides of Nitrogen (NO<sub>x</sub>): 243.91 mg/Nm<sup>3</sup>


**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

**Note:** *The SO<sub>2</sub> result mentioned in the test report based on the pyritic sulfur presence in our Limestone. The pyritic sulfur percentage in our limestone is >0.50.*

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 05.05.2022  
Type of Stack : C.P.P.  
Laboratory reference No : S/26/2022-23

Parameters:

- 1) Particulate Matter (PM): - 29.34 mg/Nm<sup>3</sup>
- 2) Oxides of Sulfur (as SO<sub>2</sub>): - 492.50 mg/Nm<sup>3</sup>
- 3) Oxides of Nitrogen (NO<sub>x</sub>): - 219.08 mg/Nm<sup>3</sup>

**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.3305 (E) dated 07<sup>th</sup> Dec'2015.

Prepared by

  
(Arti Singh)

Checked & Verified by



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# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.06.2022

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


Dear Sir,

We are herewith submitting the Process Fugitive Emission report of the month **May'2022** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

  
R.K. Pareek  
(President)



**Sales & Marketing Office :**  
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**Registered Office :**  
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District : East Jaintia Hills, Meghalaya, PIN. 793210  
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E-mail : meghalaya@topcem.in



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**HELPLINE NO : 18001233666**

# MEGHALAYA CEMENTS LIMITED

## PROCESS FUGITIVE EMISSION TEST RESULTS

May'2022

Date of Testing	Location	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	As per the Standard Limit ( $\mu\text{g}/\text{m}^3$ )
23.05.2022	Lime stone Storage Area	1908	5000
23.05.2022	Coal Storage Area	694	2000
30.05.2022	Clinker Loading Area	1396	5000
30.05.2022	Cement Loading Area	1277	5000
26.05.2022	Coal Storage Area (CPP)	712	2000
26.05.2022	Fly Ash Silo Area (CPP)	659	2000

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.06.2022

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 **May'2022**.

<u>Month</u>	<u>Water Consumption</u>
May'2022	10,835.00 m <sup>3</sup>

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
R.K. Pareek  
(President)



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**Registered Office :**  
Village: Thangskai, P.O. & P.S. Lamshong  
District : East Jaintia Hills, Meghalaya, PIN: 793210  
Tel. : +91 86742 17795 / 70650 58468 / 98625 88599  
E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666





# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.06.2022

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 May'2022.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
R.K. Pareek  
(President)



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

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E-mail : kolkata@topcem.in

**Registered Office :**  
Village: Thangka, P.O. & P.S. Lushimong  
District: East Jaintia Hills, Meghalaya, PIN: 792210  
Tel. : +91 80142 17785 / 70850 59469 / 98025 08599  
E-mail : meghalaya@topcem.in



HELPLINE NO : 18001233666

**MEGHALAYA CEMENTS LIMITED**

**FORM - I**

(See Rule 4)

**Return: Water consumed during the month of May'2022**

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 Kilolitres	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 - Lumshrong Pin No 793210 Jaintia Hills - MEGHALAYA	Domestic purpose	River	a) 406256 b) 020324 c) 792439	a) 410030 b) 021963 c) 801021	13,995	-	-	Qty. of water consumed from river water = 13,995 + 9,463 = 23,458 KL
	Industrial cooling	River	a) 110781 b) 019885 c) 592587	a) 120245 b) 034601 c) 609347	9,463	-	-	Qty of water returned = 31,477 + 0.00 = 31,477 KL
	Industrial Purpose	-	-	-	NIL	-	-	-

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 = 2,612,209  
= 2,643,686

Final reading of the return line flow meter at end of month

(2) Initial reading of S.T.P flow meter at the beginning of the month = 88,535

Final reading of S.T.P flow meter at the end of the month = 88,535



Name of Customer  
Address

*Signature*