



**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 07.10.2022

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


Dear Sir,

We are herewith submitting the Ambient Air Quality Survey report for the month of **September'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)



**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**

# 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	26.09.2022 to 27.09.2022
Time Duration of sampling	48 hours
Weather	Clear
Total Rain Fall, mm (On Date)	00.00 mm
Ambient Temperature (°C) :	Max. - 28.62°C, Min. - 18.83°C
Relative Humidity (%) :	Max. - 62.18%, Min. - 18.83%
Wind direction	→S (195.28°)

Analysis Results				
Pollutants	Station No. & Air Quality Survey No.			Permissible Limits for Rural Areas (By MSPCB 24 hrs Monitoring)
	A1. North -East (Near Soil Dump) D/52/2022-23	A2. North - West (Near Haul Road) D/53/2022-23	A3.Southern side (Near Lease Boundary) D/54/2022-23	
	48 hrs.	48 hrs	48 hrs	
	Particulate Matters PM10 (µg/m³)	36.48	41.59	
Particulate Matters PM2.5 (µg/m³)	27.5	26.91	19.24	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)





o/c  
**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 07.10.2022

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



**HELPLINE NO : 18001233666**



# MEGHALAYA CEMENTS LIMITED

## AMBIENT AIR QUALITY SURVEY

Location of sampling		MCL, Thangskai			
Date of sampling		08.09.2022 & 09.09.2022			
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)		0.00 mm			
Ambient Temperature( <sup>0</sup> C)):					
Maximum:		29.82			
Minimum:		20.47			
Relative Humidity (%):					
Maximum:		92.40			
Minimum:		56.31			
Wind direction		→ W (253.42)			
Pollutants	Analysis results				Permissible Limits For Rural Areas (By MSPCB 24hrs Monitoring)
	Station No. & Air Quality Survey No.				
	1)Opposite Guest house A/21/2022-23	2)Near L/S Crusher A/22/2022-23	3)Near Substation (DW Direction) A/23/2022-23	4) Near CCR Building A/24/2022-23	
	24 hrs.	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM <sub>10</sub> (µg/m <sup>3</sup> )	34.95	37.34	46.68	39.57	100µg/m <sup>3</sup>
Suspended Particulate Matters PM <sub>2.5</sub> (µg/m <sup>3</sup> )	19.48	23.06	22.94	26.84	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)*

Regd. Office and Works: Village Thangskai, P.O. Lumshnong, Dist - East Jaintia Hills, Meghalaya Pin-793210 Ph:03655-278324/363/364 Corporate Office: BE-77, Salt Lake City, Sector - 1, Kolkata - 700 064, Ph.:033 23340666/0004, Fax: 03655 278327

# MEGHALAYA CEMENTS LIMITED

## CPP AMBIENT AIR QUALITY SURVEY

Location of sampling		CPP, MCL, Thangskai		
Date of sampling		17.09.2022		
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:		26.90		
Minimum:		19.04		
Relative Humidity (%):				
Maximum:		97.39		
Minimum:		79.48		
Wind direction		→S (183.52)		
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/16/2022-23	2)Labour colony side S to W B/17/2022-23	3)JUNGLE Side N to E B/18/2022-23	
	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM <sub>10</sub> (µg/m <sup>3</sup> )	38.56	33.47	43.82	100µg/m <sup>3</sup>
Suspended Particulate Matters PM <sub>2.5</sub> (µg/m <sup>3</sup> )	19.71	21.09	25.84	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)*  
(Arti Singh)

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

# MEGHALAYA CEMENTS LIMITED

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 22.09.2022  
Type of Stack : Primary Crusher  
Laboratory reference No : S/72/2022-23

### Parameters:

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

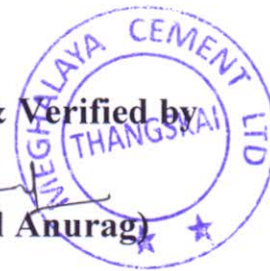
**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)





# MEGHALAYA CEMENTS LIMITED

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 22.09.2022  
Type of Stack : Secondary Crusher  
Laboratory reference No : S/73/2022-23

### Parameters:


1) Particulate Matter (PM): mg/Nm<sup>3</sup>  
14.86 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 : 28.09.2022  
Type of Stack : Cooler E.S.P-1  
Laboratory reference No : S/74/2022-23

### Parameters:

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

**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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 29.09.2022  
Type of Stack : Cooler E.S.P-2  
Laboratory reference No : S/75/2022-23

### Parameters:

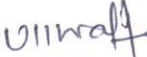
1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
  
27.10  $\text{mg/Nm}^3$

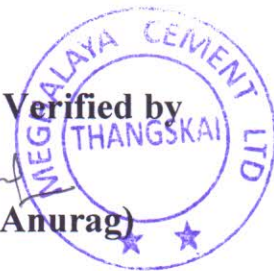
**Remarks:** The parameter was tested and found within the permissible limits of the Stack Emission Standards as per as the EPA Notification G.S.R.497 (E) dated 10<sup>th</sup> May'2016.

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)



# MEGHALAYA CEMENTS LIMITED

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 30.09.2022  
Type of Stack : Kiln & Raw Mill (RABH-1)  
Laboratory reference No : S/76/2022-23

### Parameters:

- 1) Particulate Matter (PM) : 11.60 mg/Nm<sup>3</sup>
- 2) Oxides of Sulfur (as SO<sub>2</sub>): 412.57 mg/Nm<sup>3</sup>
- 3) Oxides of Nitrogen (NO<sub>x</sub>): 206.19 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 : 30.09.2022  
Type of Stack : Kiln& Raw Mill (RABH-2)  
Laboratory reference No : S/77/2022-23

### Parameters:

- 1) Particulate Matter (PM): 13.76 mg/Nm<sup>3</sup>
- 2) Oxides of Sulfur (as SO<sub>2</sub>): 417.61 mg/Nm<sup>3</sup>
- 3) Oxides of Nitrogen (NO<sub>x</sub>): 212.08 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.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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 20.09.2022

Type of Stack : Coal Mill-1

Laboratory reference No : S/66/2022-23

### Parameters:

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

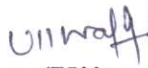
26.71  $\text{mg/Nm}^3$

**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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 20.09.2022  
Type of Stack : Coal Mill-2  
Laboratory reference No : S/67/2022-23

### Parameters:

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

**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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 24.09.2022  
Type of Stack : Cement Mill No-1  
Laboratory reference No : S/70/2022-23

### Parameters:

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

16.00 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** : 23.09.2022  
**Type of Stack** : Cement Mill No-2  
**Laboratory reference No** : S/71/2022-23

### Parameters:

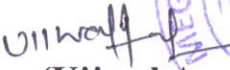
1) Particulate Matter (PM):  $\text{mg/Nm}^3$   
17.63  $\text{mg/Nm}^3$

**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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 10.09.2022  
Type of Stack : Packing Plant-1  
Laboratory reference No : S/68/2022-23

### Parameters:

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

11.59 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

## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai  
Date of Sampling : 08.09.2022  
Type of Stack : Packing Plant-2  
Laboratory reference No : S/69/2022-23

### Parameters:

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

09.50  $\text{mg/Nm}^3$

**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

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## STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : -

Type of Stack : C.P.P.

Laboratory reference No : S/78/2022-23

### Parameters:

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

2) Oxides of Sulfur (as  $\text{SO}_2$ ): -  $\text{mg/Nm}^3$

3) Oxides of Nitrogen ( $\text{NO}_x$ ): -  $\text{mg/Nm}^3$

(Note - Stop Due to Maintenance)

**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

  
(Ujjwal Anurag)





**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 07.10.2022

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 September'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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District : East Jaintia Hills, Meghalaya, PIN: 793210  
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E-mail : meghalaya@topcem.in

**HELPLINE NO : 18001233666**



## MEGHALAYA CEMENTS LIMITED

### PROCESS FUGITIVE EMISSION TEST RESULTS

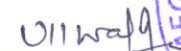
September'2022

Date of Testing	Location	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	As per the Standard Limit ( $\mu\text{g}/\text{m}^3$ )
23.09.2022	Lime stone Storage Area	1859	5000
23.09.2022	Coal Storage Area	948	2000
27.09.2022	Clinker Loading Area	1609	5000
27.09.2022	Cement Loading Area	1768	5000
29.09.2022	Coal Storage Area (CPP)	1024	2000
29.09.2022	Fly Ash Silo Area (CPP)	893	2000

Prepared by

  
(Arti Singh)

Checked & Verified by

  
(Ujjwal Anurag)







**MEGHALAYA CEMENTS LIMITED**

CIN- U26942ML2003PLC007125



To,

Date: 07.10.2022

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 September'2022.

Month

Water Consumption

September'2022

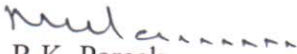
0.00 m3

(Note- Plant Stopped as per Management decision)

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

  
R.K. Pareek  
(President)



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Registered Office :  
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HELPLINE NO : 18001233666



# MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.10.2022

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 **September'2022**.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

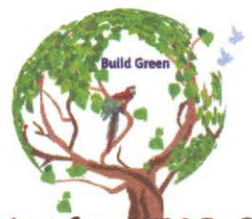
  
R.K. Pareek  
(President)



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**HELPLINE NO : 18001233666**

# MEGHALAYA CEMENTS LIMITED

## FORM - I

(See Rule 4)

Return: Water consumed during the month of September 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 - Lumshnong Pin No 793210 Jaintia Hills - MEGHALAYA	Domestic purpose	River	(a) 418459 (b) 028831 (c) 818812	(a) 420779 (b) 030762 (c) 822272	7,711	-	-	Qty. of water consumed from river water = 7,711 + 11,789 = 19,500 KL
	Industrial cooling	River	a) 155882 b) 074132 c) 649117	a) 170200 b) 86662 c) 661532	11,789	-	-	Qty of water circulation & returned = 22,077 + 5397 = 27,474 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 = 2,653,395  
Final reading of the return line flow meter at end of month = 2,675,472

(2) Initial reading of S.T.P flow meter at the beginning of the month = 99,716  
Final reading of S.T.P flow meter at the end of the month = 105,113

