



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125

o/c

Date: 07.03.2023



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 **February'2023** for Limestone mining for an area of 31.05 Ha, at South Khliehjeri.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

Authorized Signatory



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

Sales & Marketing Office :
Mega Plaza, 4th Floor, Christian Basti
G.S. Road, Guwahati - 781 005
Tel. : 0361 2345421/22/23, Fax : 0361 2345419
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. : +91 89742 17765 / 70850 58469 / 98625 09599
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 Khliehjri Limestone Mine (31.05 Ha)
Date duration of sampling	23.02.2023 to 24.02.2023
Time Duration of sampling	48 hours
Weather	Clear
Total Rain Fall, mm (On Date)	00.00 mm
Ambient Temperature (°C) :	Max. - 18.72°C, Min. - 12.93°C
Relative Humidity (%) :	Max. - 105.15%, Min. - 85.64%
Wind direction	→SE(110.87°)

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/85/2022-23	A2. North - West (Near Haul Road) D/86/2022-23	A3. Southern side (Near Lease Boundary) D/87/2022-23	
	48 hrs.	48 hrs	48 hrs	
Particulate Matters PM10 (µg/m ³)	35.42	40.02	38.91	100
Particulate Matters PM2.5 (µg/m ³)	24.73	24.37	28.99	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.



Checked & Verified By

Ujjwal Anurag
(Ujjwal Anurag)



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

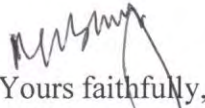
Date: 07.03.2023

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

Dear Sir,

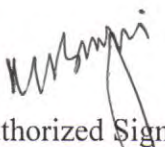
We are herewith submitting the Ambient Air Quality survey report along with stack analysis report for the month of **February'2023** for **2600 TPD Cement Manufacturing Plant** along with **10 MW Captive Power Plant** report respectively.

Thanking you Sir,



Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**



Authorized Signatory



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E-mail : meghalaya@topcem.in

HELPLINE NO : 18001233666



MEGHALAYA CEMENTS LIMITED

AMBIENT AIR QUALITY SURVEY

Location of sampling	MCL, Thangskai				
Date of sampling	15.02.2023 & 16.02.2023				
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(⁰ C):					
Maximum:	24.36				
Minimum:	11.56				
Relative Humidity (%):					
Maximum:	61.77				
Minimum:	42.09				
Wind direction (in Degree)	→ S (186.31)				
Pollutants	Analysis results				Permissible Limits For Rural Areas (By MSPCB 24hrs Monitoring)
	Station No. & Air Quality Survey No.				
	1)Opposite Guest house A/41/2022-23	2)Near L/S Crusher A/42/2022-23	3)Near Substation (DW Direction) A/43/2022-23	4) Near CCR Building A/44/2022-23	
	24 hrs.	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM ₁₀ (µg/m ³)	52.81	47.55	50.85	52.03	100µg/m ³
Suspended Particulate Matters PM _{2.5} (µg/m ³)	31.37	33.99	38.46	35.71	60µg/m ³

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 16th Nov'2009.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

CPP AMBIENT AIR QUALITY SURVEY

Location of sampling	CPP, MCL, Thangskai			
Date of sampling	18.02.2023			
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(⁰ C):				
Maximum:	25.39			
Minimum:	13.58			
Relative Humidity (%):				
Maximum:	55.16			
Minimum:	39.65			
Wind direction (in Degree)	→S (173.28)			
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/31/2022-23	2)Labour colony side S to W B/32/2022-23	3)JUNGLE Side N to E B/33/2022-23	
	24 hrs.	24 hrs.	24 hrs.	
Suspended Particulate Matters PM ₁₀ (µg/m ³)	24.77	26.91	28.85	100µg/m ³
Suspended Particulate Matters PM _{2.5} (µg/m ³)	19.77	21.02	20.15	60µg/m ³

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 16th Nov'2009.

Checked & Verified by



Ujjwal Anurag
(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

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 16.02.2023
Type of Stack : Primary Crusher
Laboratory reference No : S/137/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm^3
15.18 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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 20.02.2023
Type of Stack : Secondary Crusher
Laboratory reference No : S/138/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³
13.46 mg/Nm³

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 10th May'2016.



Checked & Verified by

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(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 24.02.2023
Type of Stack : Kiln & Raw Mill (RABH-1)
Laboratory reference No : S/141/2022-23

Parameters:

- 1) Particulate Matter (PM) : 08.47 mg/Nm³
- 2) Oxides of Sulfur (as SO₂): 745.72 mg/Nm³
- 3) Oxides of Nitrogen (NOx): 186.41 mg/Nm³

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 10th May'2016.

Note: The SO₂ 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.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 24.02.2023
Type of Stack : Kiln& Raw Mill (RABH-2)
Laboratory reference No : S/142/2022-23

Parameters:

- 1) Particulate Matter (PM): 10.46 mg/Nm³
- 2) Oxides of Sulfur (as SO₂): 735.96 mg/Nm³
- 3) Oxides of Nitrogen (NO_x): 190.21 mg/Nm³

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 10th May'2016.

Note: *The SO₂ 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.*



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 06.02.2023
Type of Stack : Coal Mill-1
Laboratory reference No : S/131/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³
21.96 mg/Nm³

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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 06.02.2023
Type of Stack : Coal Mill-2
Laboratory reference No : S/132/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm^3
16.32 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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 21.02.2023
Type of Stack : Cooler E.S.P-1
Laboratory reference No : S/139/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

26.03 mg/Nm³

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 10th May'2016.



Checked & Verified by

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(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 22.02.2023
Type of Stack : Cooler E.S.P-2
Laboratory reference No : S/140/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm^3
 27.47 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 10th May'2016.



Checked & Verified by

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(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 13.02.2023
Type of Stack : Cement Mill No-1
Laboratory reference No : S/135/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³
19.62 mg/Nm³

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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of Sampling Location : MCL, Thangskai
Date of Sampling : 14.02.2023
Type of Stack : Cement Mill No-2
Laboratory reference No : S/136/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

21.81 mg/Nm³

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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 08.02.2023
Type of Stack : Packing Plant-1
Laboratory reference No : S/133/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

13.37 mg/Nm³

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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : 11.02.2023
Type of Stack : Packing Plant-2
Laboratory reference No : S/134/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm^3
11.45 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 10th May'2016.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)

MEGHALAYA CEMENTS LIMITED

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai
Date of Sampling : -
Type of Stack : C.P.P.
Laboratory reference No : S/143/2022-23

Parameters:

- 1) Particulate Matter (PM): - mg/Nm³
- 2) Oxides of Sulfur (as SO₂): - mg/Nm³
- 3) Oxides of Nitrogen (NO_x): - mg/Nm³

(Note - Stopped as per management decision)

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 07th Dec'2015.



Checked & Verified by

Ujjwal Anurag
(Ujjwal Anurag)



MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125

o/c



To,

Date: 07.03.2023

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

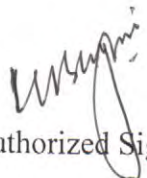
Dear Sir,

We are herewith submitting the Process Fugitive Emission report of the month February'2023 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







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50001:2011 Certified Company

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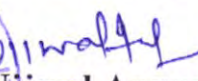



MEGHALAYA CEMENTS LIMITED

PROCESS FUGITIVE EMISSION TEST RESULTS

February'2023

Date of Testing	Location	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	As per the Standard Limit ($\mu\text{g}/\text{m}^3$)
03.02.2023	Lime stone Storage Area	2672	5000
07.02.2023	Coal Storage Area	989	2000
09.02.2023	Clinker Loading Area	3481	5000
13.02.2023	Cement Loading Area	3285	5000
25.02.2023	Coal Storage Area (CPP)	1271	2000
27.02.2023	Fly Ash Silo Area (CPP)	1188	2000

Checked & Verified by

(Ujjwal Anurag)





MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



To,

Date: 07.03.2023

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 **February'2023**.

<u>Month</u>	<u>Water Consumption</u>
February'2023	0.00 m3

(Note-Stopped due to management decision)

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

Authorized Signatory



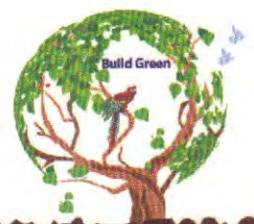
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HELPLINE NO : 18001233666





o/c
MEGHALAYA CEMENTS LIMITED

CIN- U26942ML2003PLC007125



TOPCEM
CEMENT
Mazbooti ka bharosa...hamesha

Date: 07.03.2023

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 February'2023.

Thanking you Sir,

Yours faithfully,

For **MEGHALAYA CEMENTS LIMITED**

Musyuni
Authorized Signatory



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HELPLINE NO : 18001233666



MEGHALAYA CEMENTS LIMITED

FORM - I

(See Rule 4)

Return: Water consumed during the month of February' 2023

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) 428240 (b) 039889 (c) 833916	(a) 429643 (b) 041987 (c) 836122	5,707	-	-	Qty. of water consumed from river water = 5,707 + 12,029 = 17,736 KL
	Industrial cooling	River	a) 205736 b) 133348 c) 709886	a) 209631 b) 143367 c) 721686	12,029	-	-	Qty of water circulation & returned = 9,215 + 4,470 = 13,685 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 = 2,738,167
Final reading of the return line flow meter at end of month = 2,747,382

(2) Initial reading of S.T.P flow meter at the beginning of the month = 125,310
Final reading of S.T.P flow meter at the end of the month = 120,780



 Name of Customer: *Ujjwal Singh*
 Address:

Authorized Signatory *(Signature)*