

CIN- U26942ML2003PLC007125



To,

Date: 06.09.2022

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 August'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)



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

E-mail: meghalaya@topcem.in



Tel.: 03655 278324 / 363 / 364 Fax: 03655 278327



HELPLINE NO: 18001233666

Tel.: 0361 2345421/22/23, Fax: 0361 2345419

Sales & Marketing Office:

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Web: www.topcem.in

Mega Plaza, 4th Floor, Christian Basti G.S. Road, Guwahati - 781 005



M/s MEGHALAYA CEMENTS LIMITED AMBIENT AIR QUALITY SURVEY

Location of sar	of sampling South Khliehjri Limestone Mine (31.05 Ha)					
Date duration of sampling 12.08.2022 to 13.08.2022			13.08.2022			
Time Duration	of sampling	48 hours				
Weather		Clear				
Total Rain Fall, mm (On Date)		00.00 mm				
Ambient Temperature (°C) :		Max 26.99°C, Min 20.30°C				
Relative Humidity (%):		Max 101.61%, Min 77.35%				
Wind direction		→SE (140.29°)				
Pollutants		alysis Results & Air Quality Survey No. A2. North - A3.Southern West(Near Haul Road) Lease D/44/2022-23 Boundary) D/45/2022-23 48 hrs 48 hrs		Permissible Limits for Rural Areas (By MSPCB 24 hrs Monitoring)		
Particulate						
Matters PM10 32.59		37.96	29.57	100		

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.

23.09

Prepared by

24.13

 $(\mu g/m^3)$

 $(\mu g/m^3)$

Particulate Matters PM2.5

(Arti Singh)

CheckedHanverifte

16.48

(U)jwal Amurag)

60

MCL/ENV/LSM-AAQM/2022-23



CIN- U26942ML2003PLC007125



To,

Date: 06.09.2022

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 August'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)



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





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HELPLINE NO: 18001233666

AMBIENT AIR QUALITY SURVEY

Location of sampling		MCL, Than	igskai				
Date of sampling	08.08.2022	08.08.2022 & 09.08.2022					
Distance between the	e industry ar	nd 100.0 meters					
sampling Location		20.00 meters	S				
1 No. 1		25.00 meters	S				
		10.00 meters	S				
Time duration of sampling	ng	48 hrs					
Weather		Cloudy					
Total Rainfall, mm(On D	late)	0.50 mm					
Ambient Temperature(00	C)):						
Maximum:		29.38					
Minimum:		19.55					
Relative Humidity (%):							
Maximum:		101.93					
Minimum:		68.47					
Wind direction	→ SE (137.	→ SE (137.15)					
Pollutants		Analy	Analysis results Permi				
		Station No. & A	ation No. & Air Quality Survey No.				
	1)Opposite Guest house A/17/2022-23	2)Near L/S Crusher A/18/2022-23	3)Near Substation (DW Direction) A/19/2022-23	4) Near CCR Building A/20/2022-23	Areas (By MSPCB 24hrs Monitoring)		
	24 hrs.	24 hrs.	24 hrs.	24 hrs.			
Suspended Particulate Matters PM ₁₀ (µg/m³)	31.78	33.51	41.02	35.48	100μg/m ³		
Suspended Particulate Matters PM _{2.5} (µg/m ³)	16.93	21.41	19.67	22.76	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.

Prepared by

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

CPP AMBIENT AIR QUALITY SURVEY

Location of sampling		CPP, MCL, Thangskai				
Date of sampling		11.08.2022				
Distance between the industry and		25.0 meters				
sampling Location		25.0 meters				
		25.0 meters				
Time duration of samp	ling	24 hrs				
Weather		Clear				
Total Rainfall, mm(On		0.50 mm				
Ambient Temperature	(⁰ C)):					
Maximum:		29.06				
Minimum:		19.48				
Relative Humidity (%)						
Maximum:		97.48				
Minimum:		60.01				
Wind direction		→SE (149.62)				
Pollutants	1	Analysis results Permissible				
	Statio	n No. & Air Quality Survey	Limits For Rural Areas			
,	1)Old Yard side S to E B/13/2022-23	2)Labour colony side S to W B/14/2022-23	3)JUNGLE Side N to E B/15/2022-23	(By MSPCB 24hrs Monitoring)		
	24 hrs.	. 24 hrs.	24 hrs.			
Suspended Particulate Matters PM ₁₀ (µg/m³)	34.16	29.94	40.69	100μg/m ³		
Suspended Particulate Matters PM _{2.5} (µg/m³)	17.86	19.59	23.70	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'2009CEME

Prepared by

(Arti Singh)

Checked & Verified by

UliywaFAnurag)

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 19.08.2022

Type of Stack : Coal Mill-1

Laboratory reference No : S/53/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

28.91 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 03.08.2022

Type of Stack : Coal Mill-2

Laboratory reference No : S/54/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

21.03 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 04.08.2022

Type of Stack : Packing Plant-1

Laboratory reference No : S/55/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

12.27 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location

MCL, Thangskai

Date of Sampling

29.08.2022

Type of Stack

Packing Plant-2

Laboratory reference No

S/56/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

09.77 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.

Prepared by

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location

MCL, Thangskai

Date of Sampling

20.08.2022

Type of Stack

Cement Mill No-1

Laboratory reference No

S/57/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

16.15 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.

Prepared by

Checked & Venified by

STACK ANALYSIS REPORT

Name of Sampling Location : MCL, Thangskai

Date of Sampling : 05.08.2022

Type of Stack : Cement Mill No-2

Laboratory reference No : S/58/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

13.22 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 26.08.2022

Type of Stack : Primary Crusher

Laboratory reference No : S/59/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

14.37 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.

Prepared by

(Arti Singh)

Checked & Werified b

(Uijwal Anurag

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 26.08.2022

Type of Stack : Secondary Crusher

Laboratory reference No : S/60/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

17.70 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.

Prepared by

(Arti Singh)

Checked & Verified by GSKA

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 01.08.2022

Type of Stack : Cooler E.S.P-1

Laboratory reference No : S/61/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

28.69 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 02.08.2022

Type of Stack : Cooler E.S.P-2

Laboratory reference No : S/62/2022-23

Parameters:

1) Particulate Matter (PM): mg/Nm³

26.70 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : 24.08.2022

Type of Stack : Kiln & Raw Mill (RABH-1)

Laboratory reference No : \$\(\)\$5/63/2022-23

Parameters:

1) Particulate Matter (PM) : 12.16 mg/Nm³

2) Oxides of Sulfur (as SO₂): 469,48 mg/Nm³

3) Oxides of Nitrogen (NOx): 216.47 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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location

MCL, Thangskai

Date of Sampling

26.08.2022

Type of Stack

Kiln& Raw Mill (RABH-2)

Laboratory reference No

S/64/2022-23

Parameters:

1) Particulate Matter (PM): 16.81 mg/Nm³

2) Oxides of Sulfur (as SO₂): 454.63 mg/Nm³

3) Oxides of Nitrogen (NO_x): 212.96 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.

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.

Prepared by

(Arti Singh)

Checked & Verified by

STACK ANALYSIS REPORT

Name of sampling Location : MCL, Thangskai

Date of Sampling : -

Type of Stack : C.P.P.

Laboratory reference No : S/65/2022-23

Parameters:

1) Particulate Matter (PM): - mg/Nm³

2) Oxides of Sulfur (as SO₂): - mg/Nm³

3) Oxides of Nitrogen (NO_x): - mg/Nm³

(Note - 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 07th Dec'2015.

Prepared by

(Arti Singh)

Checked & Vetified by

(Uijwal Aourag)



CIN- U26942ML2003PLC007125



To,

Date: 06.09.2022

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 August'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)



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:

E-mail: meghalaya@topcem.in

Village: Thangskai, P.O. & P.S. Lumshnong District : East Jaintia Hills, Meghalaya, PIN: 793210 Tel.: 03655 278324 / 363 / 364 Fax: 03655 278327





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HELPLINE NO: 18001233666

PROCESS FUGITIVE EMISSION TEST RESULTS

August'2022

Date of Testing	Location	Fugitive Emission Results for SPM (μg/m³)	As per the Standard Limit (μg/m³)	
10.08.2022	Lime stone Storage Area	1694	5000	
10.08.2022	Coal Storage Area	812	2000	
22.08.2022	Clinker Loading Area	1489	5000	
22.08.2022	Cement Loading Area	1547	5000	
26.08.2022	Coal Storage Area (CPP)	957	2000	
26.08.2022	Fly Ash Silo Area (CPP)	858	2000	

Prepared by

(Arti Singh)

Checked & Verified by





CIN- U26942ML2003PLC007125



Date: 06.09.2022

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 August'2022.

Month

August'2022

Water Consumption

0.00 m3

(Note-Stop due to Maintenance))

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

R.K. Pareek (President)



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District: East Jaintia Hills, Meghalaya, PIN: 793210 Tel.: 03655 278324 / 363 / 364

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CIN- U26942ML2003PLC007125



To,

Date: 06.09.2022

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 August'2022.

Thanking you Sir,

Yours faithfully,

For MEGHALAYA CEMENTS LIMITED

R.K. Pareek (President)



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Sales & Marketing Office:

HELPLINE NO: 18001233666



FORM - I

(See Rule 4)

Return: Water consumed during the month of August'2022

		*		
Remarks(*)	6	Oty. of water consumed from river water =8,114 + 11,992=20,106 KL	Oty of water returned =12,887 + 5479 = 18,366 KL	-
Quantity of water qualifying for rebate according to the assesses	8	ı	1	1
If the meter was out of order the monthly average consumption of water for the previous 3 month of working	7	-1	1	1
Quantity of water consumed in Kilolitres	9	8,114	11,992	Nil
Reading at the end of the last day of the calendar month under report	5	(a) 418459 (b) 028831 (c) 818812	a)155882 b)074132 c)649117	1
Reading at the beginning of the first day of the calendar month under report	4	(a)416341 (b)026735 (c)814912	a)144282 b)065167 c)639324	1
Source Tube Well River etc	м	River	River	1
Purpose for which water consumed	2	Domestic	Industrial	Industrial Purpose
Name and Address of the consumer	MEGHALAYA Cements Ltd. Village - Thangskai P.O - Lumshnong Pin No 793210 Jaintia Hills - MEGHALAYA			

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 = 2,640,508 Final reading of the return line flow meter at end of month

= 99,716 (2) Initial reading of S.T.P flow meter at the beginning of the month = 94,237 Final reading of S.T.P flow meter at the end of the month

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