

STAR CEMENT MEGHALAYA LIMITED

Ref: SCML/EHS/LUM/2024-25/50

Dated: 13/01/2025

To,

The Member Secretary
Meghalaya State Pollution Control Board
'ARDEN', Lumpynggad,
Shillong, Meghalaya – 793014

Subject : Submission of Environmental Monitoring Report for the month of December, 2024.

Reference : MPCB/ONLINE/RCTO(R-I)/EJHD/2021/2024-2025/56, Dtd: Shillong, the 5th June, 2024.

Dear Sir,

This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission, Surface water monitoring reports of **Star Cement Meghalaya Limited** (formerly known as *Megha Technical & Engineers Pvt Ltd*) for the month of **December, 2024**.

This is for your kind information, record and kindly acknowledge receipt of the same.

Thanking You,

Yours truly,

For **STAR CEMENT MEGHALAYA LIMITED**



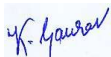
Laxmaiah Munjala
Unit Head

Enclosed: a/a

Copy To: The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.

STAR CEMENT Solid Setting STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya				
Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-12-2024	720.9	72.3	22.6	0.0
02-12-2024	718.3	71.1	21.4	0.0
03-12-2024	718.0	71.9	21.2	0.0
04-12-2024	724.2	70.2	22.1	0.0
05-12-2024	721.5	70.0	21.5	0.0
06-12-2024	727.3	71.3	21.4	0.0
07-12-2024	721.9	70.1	21.5	0.0
08-12-2024	723.7	69.9	21.7	0.0
09-12-2024	725.3	70.1	21.9	0.0
10-12-2024	723.0	71.2	22.3	0.0
11-12-2024	721.0	74.4	22.0	0.0
12-12-2024	720.5	73.5	23.9	0.0
13-12-2024	720.9	73.0	22.0	0.0
14-12-2024	723.7	74.8	22.1	0.0
15-12-2024	723.9	75.0	23.0	0.0
16-12-2024	723.3	72.2	22.6	0.0
17-12-2024	723.2	73.3	19.5	0.0
18-12-2024	721.6	74.6	22.1	0.0
19-12-2024	719.2	70.7	19.8	0.0
20-12-2024	724.8	67.7	19.7	0.0
21-12-2024	725.3	66.7	21.2	0.0
22-12-2024	723.0	71.5	21.5	0.0
23-12-2024	725.2	71.0	21.6	0.0
24-12-2024	726.8	68.9	22.8	0.0
25-12-2024	725.2	71.6	21.9	0.0
26-12-2024	720.0	68.3	21.1	0.0
27-12-2024	726.4	71.2	21.6	0.0
28-12-2024	724.2	72.6	21.0	0.0
29-12-2024	723.0	72.2	20.7	0.0
30-12-2024	721.6	73.2	21.8	0.0
31-12-2024	729.1	70.5	22.1	0.0
			Total	0.0

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/21			Month : December	
Location of Sampling: Near Pump House		GPS Coordinate: 25°10'42"N 92°23'32"E 919 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.12.2024	67.75	42.26	21.00	27.09
06.12.2024	62.40	43.14	22.02	28.12
09.12.2024	64.63	43.80	22.48	26.10
13.12.2024	59.80	42.13	21.93	25.03
17.12.2024	65.95	39.96	20.45	24.28
20.12.2024	67.45	42.33	18.77	25.14
23.12.2024	65.80	46.72	23.51	27.23
27.12.2024	61.80	44.01	22.60	25.14
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/21			Month : December	
Location of Sampling: Vishwakarma Colony		GPS Coordinate: 25°10'46"N 92°23'17"E 552 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.12.2024	29.65	25.89	16.55	18.69
06.12.2024	31.25	27.34	13.48	18.65
09.12.2024	26.38	24.98	15.00	19.27
13.12.2024	33.89	22.69	16.57	17.35
17.12.2024	35.69	25.38	15.27	14.36
20.12.2024	32.48	27.54	14.39	18.56
23.12.2024	28.64	24.66	14.10	17.69
27.12.2024	31.87	23.73	13.69	15.36
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
Shailendra Kumar Analysed by		 Checked by		 Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/21			Month : December	
Location of Sampling: Near Star Club		GPS Coordinate: 25°10'36"N 92°23'16"E 928 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.12.2024	50.65	34.96	15.52	17.90
06.12.2024	52.07	36.85	15.58	16.06
09.12.2024	52.52	36.99	13.79	17.81
13.12.2024	50.12	34.97	13.58	16.43
17.12.2024	51.12	33.85	14.76	17.83
20.12.2024	50.76	36.69	13.61	15.33
23.12.2024	50.34	35.80	14.37	16.83
27.12.2024	47.76	34.35	14.92	15.64
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Document No.	MTEPL/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: MTEPL/ENV/FUGITIVE/MONTHLY/2024-25/21				
Month - December				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
12.12.2024	Cement Packing Plant	1798	5000	
 Analyzed By  Checked by  Verified By				



STAR CEMENT MEGHALAYA LIMITED
CEMENT MILL - 1
Lumshnong, Meghalaya

Reference No.

MTEPL/EHS/F-04

Issue No.

1

Date of Issue:

24.08.2013

Revision No.

3

	Date of Rev.
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01.06.2019

WATER TESTING REPORT

Reference No.: MTEPL/ENV/WATER/MONTHLY/2024-25/21

Surface Water Analysis Results

Date of sample collection: 05.12.2024

Date of Analysis: 05.12.2024 to 10.12.2024

S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nalah	Seshympa	Lunar	Lukha	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296
			Up Stream	Down Stream	Up Stream	Down Stream	Down Stream				Seasonal Spring / Seasonal Nallah				
1	pH	-	7.2	7.4	7.2	7.6	7.3	-	-	-	7.1	7.2	7.6	7.7	6.5 - 8.5
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	-	-	-	Yellowish	Yellowish	Yellowish	Yellowish	10
3	Odour	-	Unobjectionable												
4	Chloride	mg/L	28.2	30.5	32.6	30.9	33.1	-	-	-	22.1	25.4	20.6	23.6	250
5	Total Hardness as CaCO ₃	mg/L	60.9	65.3	77.5	76.9	80.1	-	-	-	63.5	55.2	50.8	56.1	300
6	Suspended Solids	mg/L	38..2	43.6	46.2	56.1	56.9	-	-	-	45.8	42.5	33.1	39.2	-
7	Total Dissolve Solids	mg/L	226.9	243.1	226.5	321.1	356.4	-	-	-	80.6	96.2	89.3	211.0	500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	2.0
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-
10	Temperature	° C	19.2	18.9	19.3	17.9	19.1	-	-	-	19.4	19.2	19.5	19.4	-
11	Conductivity	µS/cm	196.2	201.2	296.5	342.1	361.2	-	-	-	155.1	122.5	134.5	365.2	-
12	Flow	L / Min	1123.1	1211.5	212.2	3.65.2	1632.4	-	-	-	1112.0	965.2	1128.5	1231.2	-

Shailendra Kumar

Checked by

Verified by