

STAR CEMENT MEGHALAYA LIMITED

Ref: SCML/EHS/LUM/2024-25/26

Dated: 22/08/2024

To,

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

Subject : Submission of Environmental Monitoring Report for the month of July, 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 **July, 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





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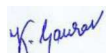

Copy To: The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.









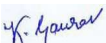

STAR CEMENT MEGHALAYA LIMITED
CEMENT MILL - 1
Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-07-2024	719.2	72.1	18.8	202.6
02-07-2024	716.6	70.9	18.1	59.0
03-07-2024	716.3	71.7	19.0	2.0
04-07-2024	722.5	70.0	18.8	22.0
05-07-2024	719.8	69.8	18.7	19.1
06-07-2024	725.6	71.1	18.1	4.8
07-07-2024	720.2	69.9	20.0	0.0
08-07-2024	722.9	69.7	19.0	0.0
09-07-2024	724.5	69.9	18.6	22.8
10-07-2024	722.2	71.0	19.0	50.2
11-07-2024	720.2	74.2	19.1	41.9
12-07-2024	719.7	73.3	20.8	20.8
13-07-2024	720.1	77.5	18.9	0.0
14-07-2024	722.9	74.6	19.0	0.0
15-07-2024	723.1	74.8	19.9	0.0
16-07-2024	722.5	72.0	19.5	4.2
17-07-2024	720.9	78.3	16.7	0.0
18-07-2024	719.3	77.5	15.3	0.0
19-07-2024	716.9	70.5	17.0	2.6
20-07-2024	722.5	63.5	16.9	33.0
21-07-2024	723.0	66.5	18.4	7.5
22-07-2024	720.7	71.3	18.7	16.3
23-07-2024	722.9	70.8	18.8	0.0
24-07-2024	724.5	68.7	20.0	9.6
25-07-2024	722.9	71.4	18.8	0.0
26-07-2024	717.7	68.1	18.0	0.0
27-07-2024	724.4	71.0	18.5	0.0
28-07-2024	722.2	72.4	19.0	0.0
29-07-2024	721.0	74.5	15.7	23.4
30-07-2024	721.0	74.5	15.7	0.0
31-07-2024	722.9	71.4	18.8	21.2
			Total	563.0

	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
				Date of Rev.	01.12.2020
AMBIENT AIR QUALITY MONITORING REPORT					
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/16				Month : July	
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.	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)	
01.07.2024	73.52	49.94	16.00	20.83	
09.07.2024	68.17	50.82	17.02	21.86	
20.07.2024	70.40	51.48	17.48	19.84	
Heavy Rainfall					
Heavy Rainfall	Rainfall Data Attached				
Heavy Rainfall					
Heavy Rainfall					
Heavy Rainfall					
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)	
<p>Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p>					
 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
				Date of Rev.	01.12.2020
AMBIENT AIR QUALITY MONITORING REPORT					
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/16				Month : July	
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.	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)	
01.07.2024	37.20	29.89	16.76	20.24	
09.07.2024	39.37	29.75	15.81	18.81	
20.07.2024	35.17	28.43	16.79	19.74	
Heavy Rainfall					
Heavy Rainfall	Rainfall Data Attached				
Heavy Rainfall					
Heavy Rainfall					
Heavy Rainfall					
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)	
<p>Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p>					
 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			
	Date of Rev.	01.12.2020			
AMBIENT AIR QUALITY MONITORING REPORT					
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2024-25/16			Month : July		
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.	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)	
01.07.2024	41.17	34.11	14.23	19.08	
09.07.2024	40.18	33.08	14.29	17.24	
20.07.2024	41.18	33.79	12.50	18.99	
Heavy Rainfall					
Heavy Rainfall	Rainfall Data Attached				
Heavy Rainfall					
Heavy Rainfall					
Heavy Rainfall					
Heavy Rainfall					
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
	FUGITIVE EMISSION MONITORING REPORT		Revision No.	2
			Revision Date	01-01-2021
Ref: MTEPL/ENV/FUGITIVE/MONTHLY/2024-25/16				
Month - July				
Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline	
			Limit (in $\mu\text{g}/\text{m}^3$)	
20.07.2024	Cement Packing Plant	1859	5000	
<div style="display: flex; justify-content: space-around; align-items: flex-end; padding-top: 20px;"> <div style="text-align: center;">  Analyzed By </div> <div style="text-align: center;">  Checked by </div> <div style="text-align: center;">  Verified By </div> </div>				



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.	01.06.2019

WATER TESTING REPORT

Reference No.: MTEPL/ENV/WATER/MONTHLY/2024-25/16

Surface Water Analysis Results

Date of sample collection: 26.07.2024
Date of Analysis: 26.07.2024 to 30.07.2024

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	-	7.6	7.7	7.2	7.3	7.8	-	-	-	7.6	7.7	7.8	7.7	6.5 - 8.5
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Yellowish	Colourless	Yellowish	Yellowish	Yellowish	Yellowish	10
3	Odour	-	Unobjectionable												
4	Chloride	mg/L	28.4	32.2	33.4	30.4	33.5	-	-	-	23.5	24.8	26.4	25.9	250
5	Total Hardness as CaCO ₃	mg/L	56.5	65.4	77.7	76.5	72.1	-	-	-	61.5	46.5	47.6	42.1	300
6	Suspended Solids	mg/L	39.5	58.8	44.0	51.3	62.4	-	-	-	47.6	38.0	35.7	31.3	-
7	Total Dissolve Solids	mg/L	204.5	214.0	226.5	387.4	356.5	-	-	-	85.2	70.2	66.4	215.3	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	27.0	27.0	27.0	27.0	27.0	-	-	-	27.0	27.0	27.0	27.0	-
11	Conductivity	µS/cm	180.5	210.5	315.3	440.0	351.2	-	-	-	148.6	124.6	110.3	452.4	-
12	Flow	L / Min	1434.8	1586.1	267.2	481.8	2764.0	-	-	-	1770.5	1202.5	1577.2	1379.2	

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