

# STAR CEMENT MEGHALAYA LIMITED

CIN : U63090ML2005PLC008011

Corporate Office : Century House, P-15/1, Taratala Road, 2nd Floor, Kolkata - 700088 e-mail: [kolkata@starcement.co.in](mailto:kolkata@starcement.co.in)

Ref: SCML /EHS/LUMS/2026-27/03

Dated: 14/04/2026

To,

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

**Subject** : Submission of Environmental Monitoring Report for the month of March, 2026.

**Reference** : MPCB/ONLINE/RCTO(R-I)/EJHD/2021/2023-2024/30, Dtd: Shillong, the 27<sup>th</sup> September, 2023.


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, Fugitive Emission, Noise & Surface water monitoring reports of **Brishyrnot Limestone Mine -I (MLA 42.051 Ha)** of **Star Cement Meghalaya Limited** for the month of **March, 2026**.

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

Thanking You,

Yours truly,  
For **STAR CEMENT MEGHALAYA LIMITED**

  
Lokesh Kumar Bahety  
Unit Head



Enclosed: a/a



# STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-03-2026	985.7	65.2	21.8	0.0
02-03-2026	997.3	77.6	22.2	0.0
03-03-2026	1000.1	66.1	23.0	0.0
04-03-2026	997.5	62.3	23.2	0.0
05-03-2026	989.2	60.2	24.4	0.0
06-03-2026	995.4	56.8	25.9	0.0
07-03-2026	993.9	61.7	25.4	0.0
08-03-2026	981.7	74.0	24.5	0.0
09-03-2026	992.7	77.3	24.2	0.0
10-03-2026	999.3	71.9	25.3	0.0
11-03-2026	997.1	71.3	25.1	0.0
12-03-2026	986.4	84.3	24.0	4.6
13-03-2026	991.6	93.8	19.8	15.0
14-03-2026	982.7	92.1	21.8	57.8
15-03-2026	1009.4	97.1	17.7	121.4
16-03-2026	1013.2	98.0	18.0	117.0
17-03-2026	1002.8	78.5	21.4	37.2
18-03-2026	999.5	88.3	21.7	19.0
19-03-2026	1003.2	77.9	22.9	0.0
20-03-2026	996.5	83.3	21.3	0.0
21-03-2026	1001.1	78.2	19.8	0.5
22-03-2026	997.6	85.9	20.4	0.0
23-03-2026	991.5	93.0	17.5	12.8
24-03-2026	989.3	81.4	21.1	0.0
25-03-2026	1005.8	81.7	22.6	36.2
26-03-2026	999.9	74.5	24.9	4.6
27-03-2026	996.6	82.7	21.1	11.8
28-03-2026	1001.8	95.7	19.4	17.2
29-03-2026	999.9	79.7	21.7	14.6
30-03-2026	1008.2	87.3	23.2	15.4
31-03-2026	1011.1	90.7	22.1	2.2
			<b>Total</b>	<b>487.3</b>



**STAR CEMENT MEGHALAYA LIMITED**  
Brishyrnot Limestone Mine - I (MLA 42.051 Ha)  
Lumshnong, Meghalaya

**AMBIENT AIR QUALITY MONITORING REPORT**

Reference No.	SCML/Env/F - 01
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	5
Date of Rev.	01.12.2020

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/12		Month :March'26		
Location of Sampling: Near Boundary Pillar no. 07		GPS Coordinate: 25°10'27.28"N 92°25'21.48"E		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
05-03-2026	42.86	21.63	17.47	12.98
24-03-2026	40.65	19.38	16.51	10.82
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m <sup>3</sup> )	60 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

*Shailendra Kumar*  
Analysed by

*[Signature]*  
Checked By

*[Signature]*  
Verified By



**STAR CEMENT MEGHALAYA LIMITED**  
Brishyrnot Limestone Mine - I (MLA 42.051 Ha)  
Lumshnong, Meghalaya

**AMBIENT AIR QUALITY MONITORING REPORT**

Reference No.	SCML/Env/F - 01
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	5
Date of Rev.	01.12.2020





Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/12		Month :March'26		
Location of Sampling: Near Boundary Pillar no.18		GPS Coordinate: 25°10'18.01" N 92°25'32.35"E		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
05-03-2026	40.67	21.32	15.96	11.91
24-03-2026	37.41	19.57	12.52	10.66
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m <sup>3</sup> )	60 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

*Shailendra Kumar*  
Analysed by

*[Signature]*  
Checked By

*[Signature]*  
Verified By

	<b>STAR CEMENT MEGHALAYA LIMITED</b> Brishyrnot Limestone Mine - I (MLA 42.051 Ha) Lumshnong, Meghalaya			Reference No.	SCML/Env/F - 01
				Issue No.	1
	Date of Issue:	24.08.2013			
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>			Revision No.	5
				Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/12				Month :March'26	
Location of Sampling: Between Boundary Pillar no.27 & 28				GPS Coordinate: 25°10'17.95"N 92°25'02.643"E	
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	
05-03-2026	42.85	19.63	18.27	13.56	
24-03-2026	37.30	17.29	14.09	10.43	
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m <sup>3</sup> )	60 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )	80 (µg/m <sup>3</sup> )	
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**  
**Brishyrnot Limestone Mine - I (MLA 42.051 Ha)**  
**Lumshnong, Meghalaya**

**AMBIENT AIR QUALITY MONITORING REPORT**

Reference No.	SCML/Env/F - 01
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	5
Date of Rev.	01.12.2020

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/12 Month :March'26

Location of Sampling: Star Public School GPS Coordinate: 25°10'27.46"N 92°23.8'65"E

Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> ( µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
04-03-2026	40.75	19.07	14.28	12.23
07-03-2026	43.30	20.96	14.34	10.39
12-03-2026	38.97	21.10	13.96	12.14
14-03-2026	Rainfall	Rainfall	Rainfall	Rainfall
16-03-2026	Rainfall	Rainfall	Rainfall	Rainfall
20-03-2026	37.21	20.80	12.37	9.66
25-03-2026	Rainfall	Rainfall	Rainfall	Rainfall
28-03-2026	Rainfall	Rainfall	Rainfall	Rainfall
<b>NAAQS permissible limits for Rural, Industrial, Residential Area</b>	<b>100 (µg/m<sup>3</sup>)</b>	<b>60 (µg/m<sup>3</sup>)</b>	<b>80 (µg/m<sup>3</sup>)</b>	<b>80 (µg/m<sup>3</sup>)</b>

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

*Shailendra Kumar*  
Analysed by

*[Signature]*  
Checked by

*[Signature]*  
Verified By



**STAR CEMENT MEGHALAYA LIMITED**  
Lumshnong, Meghalaya

Reference No.	SCML/Env/F – 07 (a)
Issue No.	1
Date of Issue:	01.12.2018
Revision No.	2
Date of Rev.	01.12.2020

**FUGITIVE EMISSION REPORT**

Ref: SCML/ENV/FUGITIVE/MONTHLY/2025-26/12

**Brishyrnot Limestone Mine - I (MLA 42.051 Ha)**

**Month - March'26**

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
		(in $\mu\text{g}/\text{m}^3$ )	Limit
24.03.2026	Near Drilling Point	1238	5000
24.03.2026	Near Lime Stone loading area	1172	5000

*Shailendra Kumar*  
**Analyzed By**

*[Signature]*  
**Checked By**

*[Signature]*  
**Verified By**



**STAR CEMENT MEGHALAYA LIMITED**  
(42.051 Ha.)  
Lumshnong, Meghalaya

Document No.	SCML/EHS/Env/F-03
Effective Date	01-05-2019
Revision No.	04
Revision Date	01-01-2021

**NOISE LEVEL MONITORING REPORT**

Ref: SCML(LM)/ENV/NOISE/MONTHLY/2025-26/12

Date:-24.03.2026

**Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)**





**Month -March'26**

S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
1	<b>Excavator</b>				75
	<b>A) Operator Cabin (Door Open)</b>				
	a) At Low engine RPM	57.4	66.7	62.1	
	b) At High engine RPM	65.5	68.3	66.9	
	<b>B) Operator Cabin(Door Close)</b>				
	a) At Low engine RPM	55.3	65.4	60.4	
	b) At High engine RPM	63.4	67.8	65.6	
	<b>C) Periphery of the Engine</b>				
	a) At 1 mtr. Distance( At low RPM)	60.4	65.4	62.9	
	b) At 1 mtr. Distance (At high RPM)	66.1	71.5	68.8	
	c) At 5 mtr. Distance (At low RPM)	59.3	63.7	61.5	
	d) At 5 mtr. Distance (At high RPM)	63.3	67.7	65.5	
	<b>D) Behind the Engine</b>				
	a) At 1 mtr. Distance( At low RPM)	58.5	66.4	62.5	
b) At 1 mtr. Distance (At high RPM)	65.4	69.1	67.3		
c) At 5 mtr. Distance (At low RPM)	56.0	64.4	60.2		
d) At 5 mtr. Distance (At high RPM)	63.3	66.0	64.7		
2	<b>Rock Breaker</b>				75
	<b>A) Operator Cabin</b>				
	a) At Low engine RPM	63.0	66.5	64.8	
	b) At High engine RPM	65.7	69.8	67.8	
	<b>B) Rock Breaker Point (At 5 mtr. Distance)</b>				
	a) Left Side	63.4	65.8	64.6	
	b) Right Side	63.7	65.4	64.6	
c) Front Side	63.1	65.7	64.4		

*Shailendra Kumar*  
Analyzed By

*[Signature]*  
Checked By

*[Signature]*  
Verified By

	<b>STAR CEMENT MEGHALAYA LIMITED</b>		Document No.	SCML/EHS/Env/F-03	
	(42.051 Ha.)		Effective Date	01-05-2019	
	Lumshnong, Meghalaya		Revision No.	04	
	<b>NOISE LEVEL MONITORING REPORT</b>		Revision Date	01-01-2021	
Ref: SCML(LM)/ENV/NOISE/MONTHLY/2025-26/12			Date:-24.03.2026		
<b>Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)</b>					
<b>Month -March'26</b>					
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
3	<b>Drill Machine</b>				75
	<b>A) Compressor</b>				
	a) At 1 mtr. Distance	65.3	68.6	67.0	
	b) At 5 mtr. Distance	64.0	67.6	65.8	
	<b>B) Drilling Point (At 5 mtr. Distance)</b>				
	a) Left Side	65.0	69.2	67.1	
	b) Right Side	62.6	68.2	65.4	
4	<b>Dozer</b>				75
	<b>A) Operator Cabin</b>				
	a) At Low engine RPM	60.4	64.5	62.5	
	b) At High engine RPM	67.4	68.5	68.0	
	<b>B) Periphery of the Engine</b>				
	a) At 1 mtr. Distance (At low RPM)	64.1	69.9	67.0	
	b) At 1 mtr. Distance (At high RPM)	67.9	71.3	69.6	
	c) At 5 mtr. Distance (At low RPM)	63.0	68.5	65.8	
	d) At 5 mtr. Distance (At high RPM)	65.1	69.4	67.3	
	<b>c) Behind the Engine</b>				
	a) At 1 mtr. Distance (At low RPM)	59.5	68.0	63.8	
	b) At 1 mtr. Distance (At high RPM)	63.9	69.8	66.9	
	c) At 5 mtr. Distance (At low RPM)	58.0	66.4	62.2	
d) At 5 mtr. Distance (At high RPM)	62.3	68.6	65.5		
5	<b>Dumper</b>				
	<b>A) Empty Dumper</b>				
	a) Open Window	65.0	69.5	67.3	
	b) Close Window	58.1	65.3	61.7	
	<b>B) Loaded Dumper</b>				
	a) Open Window	63.1	70.6	66.9	
b) Close Window	59.3	66.0	62.7		
 <b>Analyzed by</b>		 <b>Checked by</b>		 <b>Verified By</b>	



# STAR CEMENT MEGHALAYA LIMITED

## Lumshnong, Meghalaya

### Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)

#### WATER TESTING REPORT- March'26

Reference No.	SCML/EHS/F-04
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	3
Date of Rev.	01.06.2019

Reference No.: SCML/ENV/WATER/MONTHLY/2025-26/12

### Surface Water Analysis Results

Date of sample collection: 02.03.2026

Date of Analysis: 02.03.2026 to 10.03.2026

S.No.	Parameter	Unit	Umtyngai 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								
1	pH	-	7.4	7.5	7.2	7.3	7.4	7.4	7.1	7.5	7.3	7.2	7.1	7.2	6.5 - 8.5
2	Colour	Hazen	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	10
3	Odour	-	Unobjectionable												
4	Chloride	mg/L	18.5	19.1	19.4	21.2	18.3	21.6	21.1	20.7	20.3	23.4	20.1	24.6	250
5	Total Hardness as CaCO <sub>3</sub>	mg/L	142.5	157.6	128.6	132.8	134.5	127.9	139.1	129.5	131.6	128.4	133.7	151.8	300
6	Suspended Solids	mg/L	63.8	69.1	65.4	67.0	61.9	69.3	67.6	66.2	57.9	53.9	59.5	57.3	-
7	Total Dissolve Solids	mg/L	242.9	253.7	239.2	223.4	236.6	264.8	232.4	228.7	234.3	239.5	248.6	231.9	500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	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	ND	ND	ND	-
10	Temperature	° C	24.6	24.1	23.8	24.2	24.9	25.1	24.2	24.7	23.9	24.2	25.3	24.8	-
11	Conductivity	µS/cm	224.5	210.4	197.2	189.4	201.8	198.3	195.4	188.6	184.7	203.6	212.7	217.6	-
12	Flow	L / Min	405.2	675.8	421.7	588.2	375.8	7837.6	2697.2	98562.1	354.7	171.6	634.1	462.7	-

Shailendra Kumar  
Analyzed by

Checked by

Verified by