

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

Ref: SCML /EHS/LUMS/2025-26/88

Dated: 25/03/2026

To,

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

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

Reference : MPCB/ONLINE/RCTO(R-I)/EJHD/2021/2023-2024/30, Dtd: Shillong, the 27th 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 **February, 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)
01-02-2026	997.5	57.2	22.5	0.0
02-02-2026	1004.8	69.6	21.2	0.0
03-02-2026	1000.1	83.2	18.0	0.0
04-02-2026	994.3	73.8	17.8	0.0
05-02-2026	993.9	80.0	17.5	0.0
06-02-2026	996.4	69.4	20.2	0.0
07-02-2026	992.0	54.8	20.0	0.0
08-02-2026	983.7	67.2	18.5	0.0
09-02-2026	980.9	80.8	15.7	0.0
10-02-2026	995.7	71.4	14.5	0.0
11-02-2026	993.6	77.6	14.6	0.0
12-02-2026	983.0	67.0	20.1	0.0
13-02-2026	982.4	81.2	16.9	0.0
14-02-2026	983.1	70.2	20.6	0.0
15-02-2026	983.4	69.8	20.4	0.0
16-02-2026	985.1	84.3	16.0	0.0
17-02-2026	990.8	61.5	21.8	0.0
18-02-2026	985.2	52.5	22.6	0.0
19-02-2026	1001.5	67.7	17.7	0.0
20-02-2026	992.8	63.2	18.8	0.0
21-02-2026	1003.3	66.9	17.1	0.0
22-02-2026	1007.8	65.5	22.5	0.0
23-02-2026	1001.5	79.2	18.0	0.0
24-02-2026	981.2	77.3	18.3	0.0
25-02-2026	1011.6	75.8	18.7	0.0
26-02-2026	1008.9	65.0	21.6	0.0
27-02-2026	995.1	67.2	21.2	0.0
28-02-2026	997.2	68.8	20.8	0.0
			Total	0.0



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/2025-26/11		Month : February'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 ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02-02-2026	43.95	22.70	18.09	12.51
18-02-2026	44.27	21.62	17.43	11.36
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

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STAR CEMENT MEGHALAYA LIMITED
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
Revision No.	5
Date of Rev.	01.12.2020

AMBIENT AIR QUALITY MONITORING REPORT

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/11		Month : February'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 ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02-02-2026	41.32	20.36	14.78	12.05
18-02-2026	40.74	20.84	13.55	11.96
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)

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Issue No.	1
Date of Issue:	24.08.2013
Revision No.	5
Date of Rev.	01.12.2020

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/11		Month : February'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.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02-02-2026	41.59	19.25	16.85	13.24
18-02-2026	40.63	18.76	15.47	9.53
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)

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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/2025-26/11 Month : February'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 ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
03-02-2026	38.04	21.85	16.19	13.45
06-02-2026	40.59	21.74	16.25	11.61
09-02-2026	41.04	20.88	15.87	13.36
13-02-2026	38.64	19.86	15.62	11.98
16-02-2026	39.64	18.74	15.43	13.38
20-02-2026	39.28	21.58	14.28	10.88
23-02-2026	36.42	20.69	16.87	12.38
26-02-2026	34.38	21.24	15.59	11.19
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m³)	60 (µg/m³)	80 (µg/m³)	80 (µg/m³)

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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/2025-26/11

Brishyrnot Limestone Mine - I (MLA 42.051 Ha)

Month - February'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
		(in $\mu\text{g}/\text{m}^3$)	Limit
18.02.2026	Near Drilling Point	1426	5000
18.02.2026	Near Lime Stone loading area	1385	5000

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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/2025-26/11

Date:-18.02.2026

Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)





Month -February'26

S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
1	Excavator				75
	A) Operator Cabin (Door Open)				
	a) At Low engine RPM	59.0	67.2	63.1	
	b) At High engine RPM	63.5	68.8	66.2	
	B) Operator Cabin(Door Close)				
	a) At Low engine RPM	56.9	64.9	60.9	
	b) At High engine RPM	65.0	67.3	66.2	
	C) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	62.0	64.9	63.5	
	b) At 1 mtr. Distance (At high RPM)	67.7	71.0	69.4	
	c) At 5 mtr. Distance (At low RPM)	60.9	63.2	62.1	
	d) At 5 mtr. Distance (At high RPM)	64.9	67.2	66.1	
	D) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	60.1	65.9	63.0	
b) At 1 mtr. Distance (At high RPM)	67.0	68.6	67.8		
c) At 5 mtr. Distance (At low RPM)	57.6	63.9	60.8		
d) At 5 mtr. Distance (At high RPM)	64.9	65.5	65.2		
2	Rock Breaker				75
	A) Operator Cabin				
	a) At Low engine RPM	64.6	66.0	65.3	
	b) At High engine RPM	67.3	69.3	68.3	
	B) Rock Breaker Point (At 5 mtr. Distance)				
	a) Left Side	64.3	65.3	64.8	
b) Right Side	64.6	64.9	64.8		
c) Front Side	64.7	65.2	65.0		

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	STAR CEMENT MEGHALAYA LIMITED (42.051 Ha.) Lumshnong, Meghalaya			Document No.	SCML/EHS/Env/F-03
				Effective Date	01-05-2019
				Revision No.	04
	NOISE LEVEL MONITORING REPORT			Revision Date	01-01-2021
Ref: SCML(LM)/ENV/NOISE/MONTHLY/2025-26/11				Date:-18.02.2026	
Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)					
Month -February'26					
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
3	Drill Machine				75
	A) Compressor				
	a) At 1 mtr. Distance	66.9	69.8	68.4	
	b) At 5 mtr. Distance	65.6	68.8	67.2	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	66.6	70.4	68.5	
	b) Right Side	64.2	69.4	66.8	
c) Front Side	65.9	69.8	67.9		
4	Dozer				75
	A) Operator Cabin				
	a) At Low engine RPM	59.7	65.7	62.7	
	b) At High engine RPM	65.4	68.7	67.1	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	65.7	68.7	67.2	
	b) At 1 mtr. Distance (At high RPM)	69.5	70.6	70.1	
	c) At 5 mtr. Distance (At low RPM)	64.6	68.7	66.7	
	d) At 5 mtr. Distance (At high RPM)	66.7	68.4	67.6	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	61.1	67.5	64.3	
b) At 1 mtr. Distance (At high RPM)	65.5	70.9	68.2		
c) At 5 mtr. Distance (At low RPM)	59.6	65.6	62.6		
d) At 5 mtr. Distance (At high RPM)	63.9	68.2	66.1		
5	Dumper				
	A) Empty Dumper				
	a) Open Window	66.6	68.8	67.7	
	b) Close Window	59.7	64.5	62.1	
	B) Loaded Dumper				
	a) Open Window	64.7	70.0	67.4	
b) Close Window	60.9	65.1	63.0		
 Analyzed by		 Checked by		 Verified By	



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)

WATER TESTING REPORT- February'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/2025-26/11

Surface Water Analysis Results

Date of sample collection: 02.02.2026

Date of Analysis: 02.02.2026 to 09.02.2026

S.No.	Parameter	Unit	Umtyrgai 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	-	7.3	7.5	7.4	7.5	7.6	7.4	7.3	7.4	7.2	7.4	7.3	7.4	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	19.1	19.6	20.1	20.8	21.4	20.3	20.7	21.9	21.2	19.3	19.9	20.2	250
5	Total Hardness as CaCO ₃	mg/L	122.7	134.2	118.5	124.7	129.5	116.6	105.9	124.2	134.2	121.4	131.9	148.1	300
6	Suspended Solids	mg/L	62.2	67.5	63.9	71.5	62.6	69.3	65.8	64.3	54.2	51.5	57.2	58.9	-
7	Total Dissolve Solids	mg/L	261.5	248.6	224.0	219.7	231.5	274.6	234.9	218.5	231.8	247.2	225.9	237.2	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	23.6	23.1	23.7	23.1	22.9	23.2	23.8	24.0	23.5	22.9	23.8	24.1	-
11	Conductivity	µS/cm	211.4	216.9	191.4	178.5	202.6	215.3	196.9	187.5	192.4	214.5	227.2	221.1	-
12	Flow	L / Min	387.5	431.8	155.9	198.5	259.6	4599.9	1662.6	56184.8	127.2	78.1	332.2	297.8	-

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