

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/2026-27/36

Dated: 10/08/2026

To,

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

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

Reference : MPCB/ONLINE/RCTO(R-2)EJHD/2021/2026-2027/21, Dtd: Shillong, the 24th July, 2026.

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 quality monitoring reports of **Brishyrrnot Limestone Mine-I (MLA 42.051 Ha)** of **Star Cement Meghalaya Limited** for the month of **July, 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)
01-07-2026	997.5	96.5	27.5	3.2
02-07-2026	995.3	95.8	27.9	7.2
03-07-2026	996.1	92.7	29.1	2.4
04-07-2026	992.9	93.0	29.3	0.0
05-07-2026	991.5	91.3	29.3	8.6
06-07-2026	1000.2	94.8	27.8	21.8
07-07-2026	1000.5	100.0	25.5	25.3
08-07-2026	998.6	100.0	25.0	86.6
09-07-2026	997.4	97.2	24.5	145.2
10-07-2026	1000.3	100.0	25.2	48.4
11-07-2026	996.5	99.6	25.9	54.0
12-07-2026	998.7	100.0	25.4	58.2
13-07-2026	1002.3	95.5	27.7	7.6
14-07-2026	998.0	94.4	29.1	0.0
15-07-2026	988.5	94.5	29.1	25.4
16-07-2026	997.4	98.9	26.9	28.4
17-07-2026	998.5	95.0	26.0	22.2
18-07-2026	999.5	93.3	26.1	32.9
19-07-2026	999.3	98.7	24.2	37.4
20-07-2026	1004.5	98.6	23.8	46.6
21-07-2026	995.6	90.5	27.4	19.8
22-07-2026	1002.8	87.0	27.6	17.6
23-07-2026	1001.9	94.5	25.6	11.6
24-07-2026	999.2	87.3	27.7	2.8
25-07-2026	995.4	82.4	29.8	0.0
26-07-2026	997.2	82.2	30.4	6.2
27-07-2026	999.9	82.7	29.9	0.0
28-07-2026	1000.5	84.3	29.4	16.2
29-07-2026	996.1	83.9	29.4	10.0
30-07-2026	1002.9	92.3	26.9	13.8
31-07-2026	1001.5	88.0	27.8	40.4
			Total	799.8

	STAR CEMENT MEGHALAYA LIMITED Brishyrnot Limestone Mine - I (MLA 42.051 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/04			Month : July'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/m³)	PM _{2.5} (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
13-07-2026	39.34	19.98	17.05	12.81
30-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m³)	60 (µg/m³)	80 (µg/m³)	80 (µg/m³)
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 Brishyrrnot Limestone Mine - I (MLA 42.051 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/04			Month : July'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)
13-07-2026	40.17	20.23	16.51	12.03
30-07-2026	Rainfall	Rainfall	Rainfall	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 Brishyrrnot Limestone Mine - I (MLA 42.051 Ha) Lumshnong, Meghalaya			Reference No.	SCML/Env/F – 01
				Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT			Date of Issue:	24.08.2013
				Revision No.	5
				Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/04				Month : July'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 ₁₀ (µg/m³)	PM _{2.5} (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)	
13-07-2026	38.75	20.39	17.86	12.08	
30-07-2026	Rainfall	Rainfall	Rainfall	Rainfall	
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m³)	60 (µg/m³)	80 (µg/m³)	80 (µg/m³)	
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/2026-27/04			Month : July'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)
02-07-2026	38.06	21.74	16.71	13.21
07-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
10-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
15-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
17-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
25-07-2026	41.92	22.58	17.39	12.14
28-07-2026	Rainfall	Rainfall	Rainfall	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 Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 07 (a)
			Issue No.	1
			Date of Issue:	01.12.2018
	FUGITIVE EMISSION REPORT		Revision No.	2
			Date of Rev.	01.12.2020
Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/04				
Brishyrnot Limestone Mine - I (MLA 42.051 Ha)				
Month - July'26				
Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline	
			Limit (in $\mu\text{g}/\text{m}^3$)	
13.07.2026	Near Drilling Point	1215	5000	
13.07.2026	Near Lime Stone loading area	1108	5000	
 Analyzed By  Checked By  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	
	NOISE LEVEL MONITORING REPORT			Revision Date		01-01-2021
Ref: SCML(LM)/ENV/NOISE/MONTHLY/2026-27/04 Date:-13.07.2026						
Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)						
Month -July'26						
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)	
		Min.	Max.	Avg.		
1	Excavator					
	A) Operator Cabin (Door Open)					
	a) At Low engine RPM	54.2	64.7	59.5	75	
	b) At High engine RPM	62.3	67.3	64.8		
	B) Operator Cabin(Door Close)					
	a) At Low engine RPM	52.1	60.9	56.5		
	b) At High engine RPM	60.2	63.3	61.8		
	C) Periphery of the Engine					
	a) At 1 mtr. Distance(At low RPM)	57.2	60.9	59.1		
	b) At 1 mtr. Distance (At high RPM)	62.9	67.0	65.0		
	c) At 5 mtr. Distance (At low RPM)	56.1	59.2	57.7		
	d) At 5 mtr. Distance (At high RPM)	60.1	63.2	61.7		
	D) Behind the Engine					
	a) At 1 mtr. Distance(At low RPM)	55.3	61.9	58.6		
	b) At 1 mtr. Distance (At high RPM)	62.2	64.6	63.4		
c) At 5 mtr. Distance (At low RPM)	52.8	59.9	56.4			
d) At 5 mtr. Distance (At high RPM)	60.1	61.5	60.8			
2	Rock Breaker					
	A) Operator Cabin					
	a) At Low engine RPM	59.8	62.0	60.9	75	
	b) At High engine RPM	62.5	65.3	63.9		
	B) Rock Breaker Point (At 5 mtr. Distance)					
	a) Left Side	60.2	61.3	60.8		
	b) Right Side	60.5	60.9	60.7		
	c) Front Side	59.9	61.2	60.6		


 Analyzed By


 Checked By


 Verified By

	STAR CEMENT MEGHALAYA LIMITED (42.051 Ha.) Lumshnong, Meghalaya		Document No.		SCML/EHS/Env/F-03
			Effective Date		01-05-2019
	NOISE LEVEL MONITORING REPORT		Revision No.		04
			Revision Date		01-01-2021
Ref: SCML(LM)/ENV/NOISE/MONTHLY/2026-27/04 Date:-13.07.2026					
Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)					
Month -July'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	62.1	64.0	63.1	
	b) At 5 mtr. Distance	60.8	63.0	61.9	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	61.8	64.6	63.2	
	b) Right Side	59.4	63.6	61.5	
	c) Front Side	61.1	64.0	62.6	
4	Dozer				75
	A) Operator Cabin				
	a) At Low engine RPM	54.9	59.9	57.4	
	b) At High engine RPM	64.2	66.7	65.5	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	60.9	64.3	62.6	
	b) At 1 mtr. Distance (At high RPM)	64.7	68.7	66.7	
	c) At 5 mtr. Distance (At low RPM)	59.8	62.9	61.4	
	d) At 5 mtr. Distance (At high RPM)	61.9	65.6	63.8	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	56.3	65.2	60.8	
	b) At 1 mtr. Distance (At high RPM)	60.7	68.6	64.7	
	c) At 5 mtr. Distance (At low RPM)	54.8	63.3	59.1	
	d) At 5 mtr. Distance (At high RPM)	59.1	65.4	62.3	
5	Dumper				
	A) Empty Dumper				
	a) Open Window	61.8	63.3	62.6	
	b) Close Window	54.9	59.0	57.0	
	B) Loaded Dumper				
	a) Open Window	59.9	64.5	62.2	
	b) Close Window	56.1	59.6	57.9	
 Analyzed by  Checked by  Verified By					



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Brishyrot Limestone Mine - I (MLA 42.051 Ha.)

WATER TESTING REPORT- July'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/2026-27/04

Surface Water Analysis Results

Date of sample collection: 01.07.2026

Date of Analysis: 01.07.2026 to 10.07.2026

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	-	7.9	7.5	7.3	6.8	7.2	6.9	7.3	6.9	7.3	7.2	7.3	6.9	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	20.8	22.6	24.9	25.8	20.8	23.6	23.0	22.7	21.4	21.7	22.4	25.8	250
5	Total Hardness as CaCO ₃	mg/L	198.2	214.8	195.4	203.6	196.8	188.4	197.2	191.4	184.8	178.4	217.6	181.2	300
6	Suspended Solids	mg/L	71.5	68.9	66.2	70.5	68.2	68.0	68.2	67.6	64.5	68.9	66.8	70.3	-
7	Total Dissolve Solids	mg/L	245.0	267.5	285.7	311.2	276.3	201.6	234.7	234.1	235.6	215.8	241.2	234.2	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	25.1	22.6	26.5	27.4	25.9	25.1	26.7	25.8	25.9	24.5	26.7	-
11	Conductivity	µS/cm	350.0	382.1	408.1	444.6	394.7	288.0	335.3	334.4	336.6	308.3	344.6	334.6	-
12	Flow	L / Min	4347.5	4563.8	2754.2	3241.6	5314.5	235991.8	99123.6	486518.5	1548.3	1245.6	1975.6	2689.3	-

Shailendra Kumar
Analyzed by

Checked by

Verified by