

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/2026-27/29

Dated: 08/07/2026

To,

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

Subject : Submission of Environmental Monitoring Report for the month of June, 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, Ground water & Surface water quality monitoring reports of **Brishyrnot Limestone Mine-I (MLA 42.051 Ha) of Star Cement Meghalaya Limited** for the month of **June, 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)
01-06-2026	989.4	97.4	27.0	0.0
02-06-2026	998.1	96.6	27.6	1.2
03-06-2026	993.7	99.5	26.1	5.4
04-06-2026	999.8	99.8	25.4	35.9
05-06-2026	994.8	98.3	25.7	65.4
06-06-2026	998.7	91.4	27.8	0.0
07-06-2026	1002.0	98.4	26.7	26.8
08-06-2026	1001.4	99.8	25.3	119.5
09-06-2026	995.3	100.0	24.9	74.0
10-06-2026	996.1	99.6	25.5	0.0
11-06-2026	1005.5	92.1	27.4	0.0
12-06-2026	999.7	98.0	26.0	14.6
13-06-2026	1001.5	98.7	26.5	0.0
14-06-2026	992.7	100.0	25.5	34.2
15-06-2026	995.6	99.4	25.4	37.6
16-06-2026	996.7	92.6	28.2	8.2
17-06-2026	996.3	100.0	24.7	31.8
18-06-2026	1000.1	100.0	25.1	7.4
19-06-2026	1003.2	100.0	24.2	153.0
20-06-2026	998.7	100.0	24.6	27.4
21-06-2026	996.1	100.0	25.4	17.2
22-06-2026	998.2	99.9	25.7	8.2
23-06-2026	1000.0	97.6	26.2	15.6
24-06-2026	997.9	97.2	25.4	13.2
25-06-2026	992.3	97.2	26.9	0.0
26-06-2026	995.0	97.5	27.0	0.0
27-06-2026	998.4	100.0	26.2	7.6
28-06-2026	1000.8	98.3	27.1	17.8
29-06-2026	999.0	99.9	26.0	26.6
30-06-2026	1000.3	87.4	27.8	0.0
			Total	748.6

	STAR CEMENT MEGHALAYA LIMITED Brishynrot 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/2026-27/03			Month : June'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)
13-06-2026	40.36	20.72	16.53	13.88
24-06-2026	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/2026-27/03			Month : June'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)
13-06-2026	38.80	19.43	17.04	11.51
24-06-2026	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/2026-27/03			Month : June'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/m³)	PM _{2.5} (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
13-06-2026	40.26	19.02	17.23	11.84
24-06-2026	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		Reference No.	SCML/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.: SCML/ENV/AAQM/MONTHLY/2026-27/03			Month : June'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)
01-06-2026	41.72	23.52	19.20	16.59
03-06-2026	44.27	25.41	19.26	14.75
08-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
12-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
16-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
26-06-2026	40.10	24.36	19.88	15.52
29-06-2026	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/2026-27/03				
Brishyrnot Limestone Mine - I (MLA 42.051 Ha)				
Month - June'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit (in $\mu\text{g}/\text{m}^3$)	
13.06.2026	Near Drilling Point	1183	5000	
13.06.2026	Near Lime Stone loading area	1026	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	
Ref: SCML(LM)/ENV/NOISE/MONTHLY/2026-27/03 Date:-13.06.2026					
Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)					
Month -June'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	55.8	66.4	61.1	
	b) At High engine RPM	63.9	69.0	66.4	
	B) Operator Cabin(Door Close)				
	a) At Low engine RPM	53.7	62.6	58.1	
	b) At High engine RPM	61.8	65.0	63.4	
	C) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	58.8	62.6	60.7	
	b) At 1 mtr. Distance (At high RPM)	64.5	68.7	66.6	
	c) At 5 mtr. Distance (At low RPM)	57.7	60.9	59.3	
	d) At 5 mtr. Distance (At high RPM)	61.7	64.9	63.3	
	D) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	56.9	63.6	60.2	
	b) At 1 mtr. Distance (At high RPM)	63.8	66.3	65.0	
	c) At 5 mtr. Distance (At low RPM)	54.4	61.6	58.0	
d) At 5 mtr. Distance (At high RPM)	61.7	63.2	62.4		
2	Rock Breaker				75
	A) Operator Cabin				
	a) At Low engine RPM	61.4	63.7	62.5	
	b) At High engine RPM	64.1	67.0	65.5	
	B) Rock Breaker Point (At 5 mtr. Distance)				
	a) Left Side	61.8	63.0	62.4	
	b) Right Side	62.1	62.6	62.3	
	c) Front Side	61.5	62.9	62.2	
 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/2026-27/03 Date:-13.06.2026					
Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)					
Month -June'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	63.7	65.7	64.7	
	b) At 5 mtr. Distance	62.4	64.7	63.5	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	63.4	66.3	64.8	
	b) Right Side	61.0	65.3	63.1	
	c) Front Side	62.7	65.7	64.2	
4	Dozer				75
	A) Operator Cabin				
	a) At Low engine RPM	56.5	61.6	59.0	
	b) At High engine RPM	65.8	68.4	67.1	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	62.5	66.0	64.2	
	b) At 1 mtr. Distance (At high RPM)	66.3	70.4	68.3	
	c) At 5 mtr. Distance (At low RPM)	61.4	64.6	63.0	
	d) At 5 mtr. Distance (At high RPM)	63.5	67.3	65.4	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	57.9	66.9	62.4	
	b) At 1 mtr. Distance (At high RPM)	62.3	70.3	66.3	
	c) At 5 mtr. Distance (At low RPM)	56.4	65.0	60.7	
	d) At 5 mtr. Distance (At high RPM)	60.7	67.1	63.9	
5	Dumper				
	A) Empty Dumper				
	a) Open Window	63.4	65.0	64.2	
	b) Close Window	56.5	60.7	58.6	
	B) Loaded Dumper				
	a) Open Window	61.5	66.2	63.8	
	b) Close Window	57.7	61.3	59.5	
 Analyzed by  Checked by  Verified By					



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Brishyrot Limestone Mine - I (MLA 42.051 Ha.)

WATER TESTING REPORT- June'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/2026-27/03

Surface Water Analysis Results

Date of sample collection: 01.06.2026

Date of Analysis: 01.06.2026 to 11.06.2026

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	-	6.9	7.1	6.8	6.9	7.5	7.3	7.2	6.9	7.2	7.4	7.3	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	19.5	20.1	19.2	20.2	19.6	19.9	21.1	20.8	21.0	21.9	22.3	21.9	250
5	Total Hardness as CaCO ₃	mg/L	196.5	201.6	188.2	196.3	182.0	159.4	185.3	196.5	176.3	169.7	214.3	178.8	300
6	Suspended Solids	mg/L	64.8	66.1	63.9	65.7	64.8	59.5	64.2	69.5	62.4	65.9	64.8	69.7	-
7	Total Dissolve Solids	mg/L	321.6	284.5	259.3	271.6	254.4	232.1	254.0	226.7	238.1	269.3	278.5	228.6	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	22.6	22.9	23.4	23.6	24.4	22.9	23.6	23.9	24.1	23.2	22.8	24.2	-
11	Conductivity	µS/cm	459.4	406.4	370.4	388.0	363.4	331.6	362.9	323.9	340.1	384.7	397.9	326.6	-
12	Flow	L / Min	3511.2	4223.1	2689.3	3101.5	5201.8	235874.6	98961.6	486325.6	1259.3	1103.5	1896.2	2586.9	-

Shailendra Kumar
Analyzed by


Checked by


Verified by