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/2025-26/83 **Dated: 10/02/2026**

To,

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

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

STAR CEMENT MEGHALAYA LIMITED

Enclosed: a/a

Regd. Office & Works : Lumshnong, P.O. Khaliehriat, Dist. East Jaintia Hills, Meghalaya-793 210
Ph: 03655-278215/16/18, Fax : 03655-278217, e-mail : lumshnong@starcement.co.in

STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-01-2026	977.7	79.9	15.9	0.0
02-01-2026	985.0	77.4	16.0	0.0
03-01-2026	980.3	90.2	11.0	0.0
04-01-2026	1001.8	78.9	15.2	0.0
05-01-2026	1001.4	90.6	11.8	0.0
06-01-2026	1003.9	89.3	11.8	0.0
07-01-2026	999.5	86.5	11.1	0.0
08-01-2026	991.2	88.5	12.1	0.0
09-01-2026	988.4	86.5	13.5	0.0
10-01-2026	992.9	80.9	15.6	0.0
11-01-2026	990.8	72.7	19.7	0.0
12-01-2026	980.2	85.3	15.8	0.0
13-01-2026	979.6	81.8	15.3	0.0
14-01-2026	980.3	72.0	19.1	0.0
15-01-2026	980.6	68.3	20.1	0.0
16-01-2026	982.3	84.7	16.1	0.0
17-01-2026	988.0	85.0	15.5	0.0
18-01-2026	982.4	73.1	19.1	0.0
19-01-2026	989.2	82.1	15.8	0.0
20-01-2026	980.5	85.8	15.0	0.0
21-01-2026	991.0	73.6	18.5	0.0
22-01-2026	995.5	72.0	18.6	0.0
23-01-2026	999.2	65.7	19.5	0.0
24-01-2026	1000.4	64.9	19.7	0.0
25-01-2026	999.3	68.1	18.9	0.0
26-01-2026	996.6	67.7	19.2	0.0
27-01-2026	982.8	78.3	17.0	0.0
28-01-2026	984.9	82.1	14.9	0.0
29-01-2026	993.8	80.0	15.3	0.0
30-01-2026	999.4	86.1	15.5	0.0
31-01-2026	992.7	87.5	18.4	0.0
			Total	**0.0**

STAR CEMENT Solid Setting	**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**
	AMBIENT AIR QUALITY MONITORING REPORT	**Revision No.**	**5**
		Date of Rev.	**01.12.2020**

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/10 — **Month : January'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)**
15-01-2026	42.72	21.51	17.22	10.07
28-01-2026	45.81	20.65	16.32	10.98
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.

Shailendra Kumar

Analysed by | **Checked By** | **Verified By**

STAR CEMENT Solid Setting	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
	AMBIENT AIR QUALITY MONITORING REPORT	Revision No.	5
		Date of Rev.	01.12.2020

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/10 | **Month : January'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
15-01-2026	40.85	19.71	13.54	11.56
28-01-2026	39.53	19.24	12.96	11.12
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.

Shailendra Kumar
Analysed by

Checked By

Verified By

STAR CEMENT Solid Setting	**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**
	AMBIENT AIR QUALITY MONITORING REPORT	**Revision No.**	**5**
		Date of Rev.	**01.12.2020**

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/10 — **Month : January'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)**
15-01-2026	39.51	18.51	15.48	12.92
28-01-2026	38.16	17.92	18.35	10.63
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.

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Analysed by

Checked By

Verified By

STAR CEMENT Solid Setting	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
	AMBIENT AIR QUALITY MONITORING REPORT	Revision No.	5
		Date of Rev.	01.12.2020

Reference No.: SCML/ENV/AAQM/MONTHLY/2025-26/10 | **Month : January'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
02-01-2026	47.41	27.76	13.58	15.71
06-01-2026	49.96	29.65	19.06	13.87
09-01-2026	50.41	29.79	18.68	15.62
13-01-2026	48.01	27.77	18.43	14.24
16-01-2026	49.01	22.35	18.24	15.64
20-01-2026	48.65	25.19	17.09	13.14
23-01-2026	45.79	24.30	19.68	14.64
30-01-2026	43.75	22.85	18.40	13.45
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.

Shailendra Kumar
Analysed by

Checked by

Verified By

STAR CEMENT Solid Setting	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/2025-26/10

Brishyrnot Limestone Mine - I (MLA 42.051 Ha)

Month - January'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline Limit
		(in µg/m^3)	(in µg/m^3)
15.01.2026	**Near Drilling Point**	1307	**5000**
15.01.2026	**Near Lime Stone loading area**	1322	**5000**

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STAR CEMENT Solid Setting	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/2025-26/10 **Date:-15.01.2026**

Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)

Month - January'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	58.3	69.4	63.9	
	b) At High engine RPM	66.4	70.0	68.2	
	B) Operator Cabin(Door Close)				
	a) At Low engine RPM	56.2	66.3	61.3	
	b) At High engine RPM	64.3	68.7	66.5	
	C) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	61.3	66.3	63.8	
	b) At 1 mtr. Distance (At high RPM)	67.0	70.8	68.9	
	c) At 5 mtr. Distance (At low RPM)	60.2	64.6	62.4	
	d) At 5 mtr. Distance (At high RPM)	64.2	68.6	66.4	
	D) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	59.4	67.3	63.4	
	b) At 1 mtr. Distance (At high RPM)	66.3	70.0	68.2	
	c) At 5 mtr. Distance (At low RPM)	56.9	65.3	61.1	
	d) At 5 mtr. Distance (At high RPM)	64.2	66.9	65.6	
2	**Rock Breaker**				75
	A) Operator Cabin				
	a) At Low engine RPM	63.9	67.4	65.7	
	b) At High engine RPM	66.6	70.7	68.7	
	B) Rock Breaker Point (At 5 mtr. Distance)				
	a) Left Side	64.3	66.7	65.5	
	b) Right Side	64.6	66.3	65.5	
	c) Front Side	64.0	66.6	65.3	

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STAR CEMENT Solid Setting	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/2025-26/10 **Date:-15.01.2026**

Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)

Month - January'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	66.2	69.2	67.7	
	b) At 5 mtr. Distance	64.9	68.2	66.6	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	65.9	69.8	67.9	
	b) Right Side	63.5	68.8	66.2	
	c) Front Side	65.2	69.2	67.2	
4	**Dozer**				75
	A) Operator Cabin				
	a) At Low engine RPM	59.0	65.1	62.1	
	b) At High engine RPM	68.3	71.9	70.1	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	65.0	69.5	67.3	
	b) At 1 mtr. Distance (At high RPM)	68.8	70.2	69.5	
	c) At 5 mtr. Distance (At low RPM)	63.9	68.1	66.0	
	d) At 5 mtr. Distance (At high RPM)	66.0	67.6	66.8	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	60.4	70.4	65.4	
	b) At 1 mtr. Distance (At high RPM)	64.8	68.6	66.7	
	c) At 5 mtr. Distance (At low RPM)	58.9	68.7	63.8	
	d) At 5 mtr. Distance (At high RPM)	63.2	67.6	65.4	
5	**Dumper**				
	A) Empty Dumper				
	a) Open Window	65.9	68.7	67.3	
	b) Close Window	59.0	64.4	61.7	
	B) Loaded Dumper				
	a) Open Window	64.0	69.9	67.0	
	b) Close Window	60.2	65.0	62.6	

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STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Brishyrnot Limestone Mine - I (MLA 42.051 Ha.)

WATER TESTING REPORT- January'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/2025-26/10

Surface Water Analysis Results

Date of sample collection: 01.01.2026

Date of Analysis: 01.01.2026 to 10.01.2026

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	-	7.2	7.6	7.3	7.6	7.5	7.3	7.4	7.2	7.6	7.2	7.8	7.6	**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	20.4	20.7	22.8	23.4	20.9	21.1	22.4	21.7	18.2	20.3	18.5	**250**
5	Total Hardness as $CaCO_3$	mg/L	128.5	131.2	125.1	115.9	132.8	104.2	96.5	100.3	147.5	105.4	120.5	98.8	**300**
6	Suspended Solids	mg/L	54.5	65.3	62.8	70.2	65.8	66.2	64.3	59.4	67.3	58.5	52.8	64.6	-
7	Total Dissolve Solids	mg/L	245.9	256.4	215.7	232.9	248.6	235.4	258.6	237.5	242.8	251.7	240.2	252.3	**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	25.0	24.1	24.5	23.4	23.6	24.1	24.8	23.1	24.7	22.8	25.5	24.3	-
11	Conductivity	µS/cm	203.4	235.1	227.9	255.4	259.3	248.7	264.9	244.5	209.6	217.5	236.7	247.2	-
12	Flow	L / Min	358.1	420.5	147.6	185.3	251.6	4586.2	1647.3	56125.3	99.5	50.1	324.8	289.5	-

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