



Ref: SCL/EHS/LUMS/2026-27/66

Dated: 10/08/2026

To,

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

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

Reference : MPCB/ONLINE/CTO(R-1)/EJHD/2025-26/68, Dated Shillong, the 14th April, 2026.

Dear Sir,

This is in reference to above cited subject, we are herewith submitting the Monthly Environmental monitoring reports of Ambient Air Quality monitoring including Meteorological data, Fugitive Emission, Noise & Surface water quality monitoring reports of **DABA SAITTHAD LIMESTONE MINE (25 Ha)** of **Star Cement 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 Limited**


Lokesh Kumar Bahety
Unit Head



Enclosed: a/a

STAR CEMENT LIMITED

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ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED COMPANY.

CIN: L26942ML2001PLC006663 | W : www.starcement.co.in



STAR CEMENT LIMITED

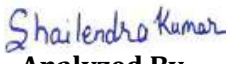
Lumshnong, Meghalaya

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 LIMITED DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha) Lumshnong, Meghalaya		Reference No.	SCL/Env/F - 01
	AMBIENT AIR QUALITY MONITORING REPORT		Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
		Date of Rev.	01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2026-27/04			Month : July'26	
Location of Sampling: Between Boundary Pillar no. 6/17 & 7/17			GPS Coordinate: 25° 9'26.81"N 92°21'48.75"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)
08-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
29-07-2026	37.61	20.89	17.15	12.77
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 LIMITED DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha) Lumshnong, Meghalaya		Reference No.	SCL/Env/F - 01
	AMBIENT AIR QUALITY MONITORING REPORT		Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCL/ENV/AAQM/MONTHLY/2026-27/04			Month : July'26	
Location of Sampling: Between Boundary Pillar no. 9/17 & 10/17			GPS Coordinate: 25° 9'26.30"N 92°21'31.84"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)
08-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
29-07-2026	39.19	19.33	17.10	12.94
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 LIMITED DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha) Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
	AMBIENT AIR QUALITY MONITORING REPORT		Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
		Date of Rev.	01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2026-27/04			Month : July'26	
Location of Sampling: Between Boundary Pillar no. 16/17 & 17/17			GPS Coordinate: 25° 9'38.37"N 92°21'42.14"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)
08-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
29-07-2026	39.54	18.07	16.44	11.52
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  Checked By  Verified By				

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/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: SCL/ENV/FUGITIVE/MONTHLY/2026-27/04				
DABA SAIITHAD LIMESTONE MINE (MLA 25 Ha)				
Month - July'26				
Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline	
			Limit (in $\mu\text{g}/\text{m}^3$)	
29.07.2026	Near Drilling Point	1285	5000	
29.07.2026	Near Lime Stone loading area	1011	5000	
Remarks				
 Analyzed By  Checked By  Verified By				

	STAR CEMENT LIMITED DABA SAIITHAD LIMESTONE MINE (MLA 25 Ha.) Lumshnong, Meghalaya		Document No.		SCL/EHS/Env/F-03
			Effective Date		01-05-2019
			Revision No.		04
	NOISE LEVEL MONITORING REPORT			Revision Date	

Ref: SCL/ENV/NOISE/MONTHLY/2026-27/04			Date:- 29.07.2026		
DABA SAIITHAD LIMESTONE MINE (MLA 25 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				75
	A) Operator Cabin (Door Open)				
	a) At Low engine RPM	57.5	64.9	61.2	
	b) At High engine RPM	62.8	68.4	65.6	
	B) Operator Cabin(Door Close)				
	a) At Low engine RPM	54.7	61.7	58.2	
	b) At High engine RPM	58.0	64.5	61.2	
	C) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	59.8	67.9	63.8	
	b) At 1 mtr. Distance (At high RPM)	63.4	70.5	66.9	
	c) At 5 mtr. Distance (At low RPM)	57.3	64.3	60.8	
	d) At 5 mtr. Distance (At high RPM)	62.6	68.4	65.5	
	D) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	58.3	67.8	63.0	
	b) At 1 mtr. Distance (At high RPM)	62.8	71.2	67.0	
	c) At 5 mtr. Distance (At low RPM)	55.6	66.0	60.8	
d) At 5 mtr. Distance (At high RPM)	61.0	68.8	64.9		
2	Rock Breaker				75
	A) Operator Cabin				
	a) At Low engine RPM	55.7	65.2	60.4	
	b) At High engine RPM	63.2	68.3	65.7	
	B) Rock Breaker Point (At 5 mtr. Distance)				
	a) Left Side	56.4	67.6	62.0	
	b) Right Side	58.7	68.4	63.5	
	c) Front Side	59.3	66.9	63.1	
3	Drill Machine				75
	A) Compressor				
	a) At 1 mtr. Distance	64.7	68.6	66.6	
	b) At 5 mtr. Distance	62.4	66.3	64.3	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	60.6	67.7	64.1	
	b) Right Side	62.1	68.1	65.1	
	c) Front Side	62.5	66.6	64.5	

 Analyzed by	 Checked By	 Verified by
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	STAR CEMENT LIMITED DABA SAIITHAD LIMESTONE MINE (MLA 25 Ha.) Lumshnong, Meghalaya		Document No.	SCL/EHS/Env/F-03	
			Effective Date	01-05-2019	
	NOISE LEVEL MONITORING REPORT		Revision No.	04	
			Revision Date	01-01-2021	
Ref: SCL/ENV/NOISE/MONTHLY/2026-27/04 Date:- 29.07.2026					
DABA SAIITHAD LIMESTONE MINE (MLA 25 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.	
4	Dozer				75
	A) Operator Cabin				
	a) At Low engine RPM	59.0	65.6	62.3	
	b) At High engine RPM	64.0	69.5	66.7	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	63.4	68.2	65.8	
	b) At 1 mtr. Distance (At high RPM)	64.3	70.8	67.5	
	c) At 5 mtr. Distance (At low RPM)	59.7	65.8	62.7	
	d) At 5 mtr. Distance (At high RPM)	63.6	68.6	66.1	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	63.7	68.0	65.8	
	b) At 1 mtr. Distance (At high RPM)	64.9	70.1	67.5	
	c) At 5 mtr. Distance (At low RPM)	62.5	66.3	64.4	
	d) At 5 mtr. Distance (At high RPM)	63.3	67.7	65.5	
5	Dumper				75
	A) Empty Dumper				
	a) Open Window	62.7	67.6	65.1	
	b) Close Window	58.4	63.9	61.1	
	B) Loaded Dumper				
	a) Open Window	63.4	68.1	65.7	
6	Village				55
	A) Lumshnong	35.3	40.9	38.1	
	B) Umstain	38.1	42.6	40.4	
 Analysed By  Checked By  Verified by					



STAR CEMENT LIMITED

Lumshnong, Meghalaya

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)

WATER TESTING REPORT- July'26

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

Reference No.: SCL/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	-


Analyzed by


Checked by


Verified by