Ref: SCL/EHS/LUMS/2026-27/103 Dated: 27/10/2026

To,

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

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

STAR CEMENT LIMITED

Enclosed: a/a

- unit head-office-Receive/29/10/26-

STAR CEMENT LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-09-2026	979.3	94.6	26.5	4.6
02-09-2026	986.5	89.3	25.8	32.4
03-09-2026	995.1	90.7	26.1	33.2
04-09-2026	991.3	94.3	27.8	18.2
05-09-2026	986.8	89.6	26.4	35.8
06-09-2026	997.2	93.8	25.8	40.4
07-09-2026	994.5	94.6	28.3	0.0
08-09-2026	992.2	96.2	30.8	0.0
09-09-2026	986.1	91.2	30.1	8.6
10-09-2026	991.3	92.6	28.9	18.6
11-09-2026	995.7	91.6	30.4	9.2
12-09-2026	988.2	88.4	25.7	23.4
13-09-2026	989.6	79.6	30.2	0.0
14-09-2026	994.2	91.8	29.6	0.0
15-09-2026	992.7	92.4	30.1	0.0
16-09-2026	995.0	95.3	27.3	1.0
17-09-2026	989.1	96.6	28.5	0.0
18-09-2026	999.5	89.3	30.2	0.0
19-09-2026	998.2	92.5	29.1	0.0
20-09-2026	996.2	95.2	29.6	0.0
21-09-2026	985.5	93.5	27.8	0.0
22-09-2026	998.1	91.6	26.6	5.2
23-09-2026	1000.6	88.9	25.8	38.4
24-09-2026	989.3	93.5	29.5	0.0
25-09-2026	995.7	82.9	30.6	0.0
26-09-2026	1001.5	79.3	32.4	8.8
27-09-2026	998.4	77.8	30.2	0.0
28-09-2026	993.3	82.3	29.5	0.0
29-09-2026	1002.1	87.9	27.3	0.0
30-09-2026	999.3	96.6	27.8	0.0
			Total	**277.8**

STAR CEMENT LIMITED

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)
Lumshnong, Meghalaya

AMBIENT AIR QUALITY MONITORING REPORT

Reference No.	SCL/Env/F – 01
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	5
Date of Rev.	01.12.2020

Reference No.: SCL/ENV/AAQM/MONTHLY/2026-27/06 — **Month : September'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/m³)**	**$PM_{2.5}$ (µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
10-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-09-2026	36.97	20.86	17.23	14.96
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 LIMITED** **DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)** **Lumshnong, Meghalaya**		**Reference No.**	**SCL/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.: SCL/ENV/AAQM/MONTHLY/2026-27/06			**Month : September'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)**
10-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-09-2026	40.27	19.51	16.89	13.61
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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STAR CEMENT Solid Setting	**STAR CEMENT LIMITED** **DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)** **Lumshnong, Meghalaya**		**Reference No.**	**SCL/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.: SCL/ENV/AAQM/MONTHLY/2026-27/06 — **Month : September'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
10-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-09-2026	39.52	19.61	16.23	14.95
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
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STAR CEMENT Solid Setting	**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/2026-27/06

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)

Month - September'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in µg/m^3)	(in µg/m^3)
22.09.2026	**Near Drilling Point**	1395	**5000**
22.09.2026	**Near Lime Stone loading area**	1243	**5000**
Remarks			

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STAR CEMENT Solid Setting	**STAR CEMENT LIMITED** **DABA SAITTHAD 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**	**01-01-2021**

Ref: SCL/ENV/NOISE/MONTHLY/2026-27/06 **Date:- 22.09.2026**

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha.)

Month -September'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	60.9	65.7	63.3	
	b) At High engine RPM	66.2	69.2	67.7	
	B) Operator Cabin(Door Close)				
	a) At Low engine RPM	58.1	62.5	60.3	
	b) At High engine RPM	61.4	65.3	63.4	
	C) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	63.2	68.7	66.0	
	b) At 1 mtr. Distance (At high RPM)	66.8	71.3	69.1	
	c) At 5 mtr. Distance (At low RPM)	60.7	65.1	62.9	
	d) At 5 mtr. Distance (At high RPM)	66.0	69.2	67.6	
	D) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	61.7	68.6	65.2	
	b) At 1 mtr. Distance (At high RPM)	66.2	72.0	69.1	
	c) At 5 mtr. Distance (At low RPM)	59.0	66.8	62.9	
	d) At 5 mtr. Distance (At high RPM)	64.4	69.6	67.0	
2	**Rock Breaker**				**75**
	A) Operator Cabin				
	a) At Low engine RPM	59.1	66.0	62.6	
	b) At High engine RPM	66.6	69.1	67.9	
	B) Rock Breaker Point (At 5 mtr. Distance)				
	a) Left Side	59.8	68.4	64.1	
	b) Right Side	62.1	69.2	65.7	
	c) Front Side	62.7	67.7	65.2	
3	**Drill Machine**				**75**
	A) Compressor				
	a) At 1 mtr. Distance	68.1	69.4	68.8	
	b) At 5 mtr. Distance	65.8	67.1	66.5	
	B) Drilling Point (At 5 mtr. Distance)				
	a) Left Side	64.0	68.5	66.3	
	b) Right Side	65.5	68.9	67.2	
	c) Front Side	65.9	67.4	66.7	

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STAR CEMENT Solid Setting	STAR CEMENT LIMITED DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha.) Lumshnong, Meghalaya NOISE LEVEL MONITORING REPORT	Document No.	SCL/EHS/Env/F-03
		Effective Date	01-05-2019
		Revision No.	04
		Revision Date	01-01-2021

Ref: SCL/ENV/NOISE/MONTHLY/2026-27/06 **Date:- 22.09.2026**

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha.)

Month -September'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	62.4	66.4	64.4	
	b) At High engine RPM	67.4	70.3	68.9	
	B) Periphery of the Engine				
	a) At 1 mtr. Distance(At low RPM)	66.8	69.0	67.9	
	b) At 1 mtr. Distance (At high RPM)	67.7	71.6	69.7	
	c) At 5 mtr. Distance (At low RPM)	63.1	66.6	64.9	
	d) At 5 mtr. Distance (At high RPM)	67.0	69.4	68.2	
	c) Behind the Engine				
	a) At 1 mtr. Distance(At low RPM)	67.1	68.8	68.0	
	b) At 1 mtr. Distance (At high RPM)	68.3	70.9	69.6	
	c) At 5 mtr. Distance (At low RPM)	65.9	67.1	66.5	
	d) At 5 mtr. Distance (At high RPM)	66.7	68.5	67.6	
5	**Dumper**				
	A) Empty Dumper				
	a) Open Window	66.1	68.4	67.3	
	b) Close Window	61.8	64.7	63.3	
	B) Loaded Dumper				
	a) Open Window	66.8	68.9	67.9	
	b) Close Window	62.4	66.0	64.2	
6	**Village**				55
	A) Lumshnong	40.2	41.1	40.7	
	B) Umstain	37.5	43.7	40.6	

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STAR CEMENT LIMITED

Lumshnong, Meghalaya

DABA SAITTHAD LIMESTONE MINE (MLA 25 Ha)

WATER TESTING REPORT- September'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/2026-27/06

Surface Water Analysis Results

Date of sample collection: 01.09.2026

Date of Analysis: 01.09.2026 to 10.09.2026

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	-	7.5	7.6	7.3	7.2	7.8	6.9	7.5	7.4	7.5	7.4	7.9	6.8	**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	20.9	23.5	21.6	21.9	24.6	22.2	20.8	20.3	20.9	23.8	24.0	**250**
5	Total Hardness as $CaCO_3$	mg/L	209.3	254.9	223.4	232.6	214.5	221.6	204.1	199.3	194.7	189.6	202.9	195.2	**300**
6	Suspended Solids	mg/L	73.9	80.4	84.2	79.3	86.1	79.1	72.6	73.9	69.2	74.6	85.2	79.1	-
7	Total Dissolve Solids	mg/L	285.3	271.2	250.8	308.2	283.4	201.6	247.2	242.8	220.5	202.4	251.9	218.3	**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	25.3	22.5	21.8	25.7	24.9	25.3	24.5	26.1	24.7	25.1	26.2	25.0	-
11	Conductivity	µS/cm	407.6	387.4	358.3	440.3	404.9	288.0	353.1	346.9	315.0	289.1	359.9	311.9	-
12	Flow	L / Min	4512.6	4684.9	2844.3	3325.6	5488.2	236224.1	99458.2	486851.4	2569.9	1589.3	2051.6	2759.6	-

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