



Ref: SCL/EHS/LUMS/2025-26/69

Dated: 09/10/2025

To,

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

Subject : Submission of Environmental Monitoring Report for the month of September, 2025.

Reference : MPCB/ONLINE/RCTO(R-1)/EJHD/2021/2025-2026/99, Dated Shillong, the 24th June, 2025.

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 monitoring reports of **Wahpynkon Limestone Mine (4.85 Ha)** of Star Cement Limited for the month of **September, 2025**.

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

Regd. Off. & Works: Vill.: Lumshnong, Khaliehriat, East Jaintia Hills, Meghalaya - 793210 | T : 03655-278215/16/18 | E : lumshnong@starcement.co.in
Corp. Off.: Century House, 2nd Floor, P-15/1, Taratala Main Road, CPT Colony, Kolkata, West Bengal - 700088 | E : kolkata@starcement.co.in

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

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



STAR CEMENT LIMITED

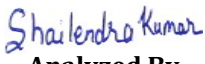
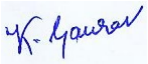
Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01.09.2025	949.6	90.7	32.8	0.0
02.09.2025	951.7	99.1	30.4	0.0
03.09.2025	950.4	98.2	29.7	0.0
04.09.2025	949.3	99.0	28.3	0.8
05.09.2025	951.1	98.1	29.5	0.0
06.09.2025	950.4	97.2	30.1	0.0
07.09.2025	949.1	98.4	27.4	0.0
08.09.2025	952.3	95.7	28.1	0.0
09.09.2025	950.5	98.4	28.4	4.4
10.09.2025	951.2	94.7	29.2	2.8
11.09.2025	949.2	96.9	27.3	0.0
12.09.2025	950.9	94.8	26.1	7.2
13.09.2025	952.7	96.3	24.2	60.0
14.09.2025	951.3	96.5	23.4	46.0
15.09.2025	948.9	89.7	24.3	60.0
16.09.2025	950.9	93.8	26.3	25.7
17.09.2025	952.8	89.6	25.9	0.0
18.09.2025	947.5	78.5	27.8	19.6
19.09.2025	948.9	90.4	26.2	0.0
20.09.2025	951.8	91.9	27.1	0.0
21.09.2025	952.2	93.8	27.9	0.0
22.09.2025	948.9	89.5	27.2	0.0
23.09.2025	952.5	94.9	26.9	0.0
24.09.2025	949.3	88.5	27.3	0.0
25.09.2025	950.2	94.9	28.2	0.0
26.09.2025	949.5	93.8	30.9	0.0
27.09.2025	951.7	93.5	30.2	0.0
28.09.2025	948.8	97.6	29.9	0.0
29.09.2025	951.7	97.1	30.1	0.0
30.09.2025	950.6	95.7	25.6	0.0
			Total	226.5

	STAR CEMENT LIMITED WahPynKon, Limestone Mine (MLA 4.85 Ha) Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2025-26/06			Month : September'25	
Location of Sampling: Mines Entrance Haul Road		GPS Coordinate: 25°10'11"N 92°24'13"E 743 m		
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)
11-09-2025	30.65	14.32	12.08	9.24
24-09-2025	32.14	14.89	12.44	10.13
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.				
 Analyzed By		 Checked By		 Verified By

	STAR CEMENT LIMITED WahPynKon, Limestone Mine (MLA 4.85 Ha) Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2025-26/06			Month : September'25	
Location of Sampling: ROC Drilling Point		GPS Coordinate: 25°10'07"N 92°24'17"E 761 m		
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)
11-09-2025	32.61	13.99	12.12	10.00
24-09-2025	32.72	14.52	12.75	10.57
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.				
 Analyzed by		 Checked By		 Verified By

	STAR CEMENT LIMITED WahPynKon, Limestone Mine (MLA 4.85 Ha) Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2025-26/06			Month : September'25	
Location of Sampling: Excavator Point		GPS Coordinate: 25°10'08"N 92°24'17"E 756 m		
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)
11-09-2025	30.55	13.61	12.46	10.62
24-09-2025	34.96	14.18	13.99	11.26
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.				
 Analyzed by		 Checked By		 Verified By

 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/2025-26/06				
Wah-Pynkon Limestone Mine (MLA 4.85 Ha.)				
Month - September'25				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	(in $\mu\text{g}/\text{m}^3$)
11.09.2025	Near Drilling Point	NA	5000	
11.09.2025	Near Lime Stone loading area	NA	5000	
Remarks	Mine is not in operation.			
 Analyzed By  Checked By  Verified By				

	STAR CEMENT LIMITED (4.85 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/2025-26/06 Date: 11.09.2025					
WahPynkon Limestone Mine (MLA 4.85 Ha.)					
Month - September'25					
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
1	Rock Breaker (10 mtr. Distance)	38.4	48.6	43.5	75
2	Dozer (10 mtr. Distance)	40.6	49.4	45.0	
3	Dumper (10 mtr. Distance)	40.9	47.2	44.1	
4	Excavator	37.9	42.5	40.2	
5	Village				55
	A) Lumshnong	30.5	38.4	34.5	
	B) Thangskai	32.1	40.2	36.2	
 Analyzed by  Checked By  Verified By					

STAR CEMENT Solid Setting			STAR CEMENT LIMITED											Reference No.		SCL/EHS/F-04									
														Issue No.		1									
														Date of Issue:		24.08.2013									
			Lumshnong, Meghalaya											Revision No.		3									
WahPynKon, Limstone Mine (MLA 4.85 Ha.)														Date of Rev.		01.06.2019									
											WATER TESTING REPORT- September'25														
Reference No.: SCL/ENV/WATER/MONTHLY/2025-26/06																						Surface Water Analysis Results			
											Date of Analysis: 01.09.2025 to 07.09.2025														
S.No.	Parameter	Unit	4.85 Ha	Umtyrngai Nallah		Umutha Nallah		Umso Nalah	Seshympa	Lunar	Lukha	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296									
			Seasonal Nallah	Up Stream	Down Stream	Up Stream	Down Stream	Down Stream				Seasonal Spring / Seasonal Nallah													
1	pH	-	7.7	7.9	7.8	7.5	7.8	7.6	7.3	7.7	7.6	7.8	7.9	7.5	7.6	6.5 - 8.5									
2	Colour	Hazen	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	10									
3	Odour	-		Unobjectionable																					
4	Chloride	mg/L	19.7	17.4	18.9	19.1	18.8	20.1	19.8	19.2	18.7	20.0	19.2	18.4	19.9	250									
5	Total Hardness as CaCO ₃	mg/L	98.2	80.4	100.8	120.4	98.8	100.2	96.4	88.2	92.6	102.2	86.4	110.8	84.4	300									
6	Suspended Solids	mg/L	49.6	42.9	53.7	50.6	49.7	54.2	50.0	49.5	48.1	53.8	54.2	52.5	58.7	-									
7	Total Dissolve Solids	mg/L	288.4	304.5	289.7	279.8	298.9	300.4	289.7	279.8	266.5	282.8	278.4	302.9	321.8	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	ND	2.0									
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-									
10	Temperature	° C	26.2	27.3	26.7	25.5	26.4	27.0	27.1	26.9	27.2	26.4	25.9	26.2	26.4	-									
11	Conductivity	µS/cm	251.7	281.8	278.4	269.2	304.7	297.5	278.1	278.3	253.8	245.2	238.5	271.1	268.3	-									
12	Flow	L/ Min	378.2	1814.4	2158.4	1003.7	1211.5	1298.4	9914.2	2248.9	93274.3	1000.2	1215.8	1123.4	1098.3	-									
Shailendra Kumar Analyzed by K. Gaurav Checked by J. Singh Verified by																									