



Ref: SCL/EHS/LUMS/2025-26/82

Dated: 05/11/2025

To,

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

Subject : Submission of Environmental Monitoring Report for the month of October, 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 **Wahpyngkon Limestone Mine (4.85 Ha)** of Star Cement Limited for the month of **October, 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

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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 | W : www.starcement.co.in



STAR CEMENT LIMITED

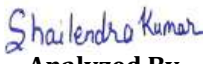
Lumshnong, Meghalaya

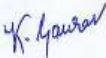
Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-10-2025	935.6	91.1	27.0	47.2
02-10-2025	942.9	92.0	28.2	25.8
03-10-2025	938.2	86.4	29.8	0.0
04-10-2025	952.7	90.5	27.5	10.6
05-10-2025	952.3	91.6	29.4	11.2
06-10-2025	954.8	93.4	30.1	62.0
07-10-2025	950.4	88.9	28.1	32.8
08-10-2025	942.1	87.5	29.2	7.6
09-10-2025	939.3	89.4	30.3	0.0
10-10-2025	943.8	87.6	30.5	2.2
11-10-2025	948.7	92.3	27.9	5.6
12-10-2025	938.1	88.8	28.5	0.0
13-10-2025	937.5	84.9	29.1	0.0
14-10-2025	938.2	85.3	31.4	0.0
15-10-2025	938.5	86.5	31.9	0.0
16-10-2025	940.2	85.7	31.3	0.0
17-10-2025	939.9	84.2	32.1	0.0
18-10-2025	934.3	82.5	32.4	0.0
19-10-2025	941.1	81.8	31.9	0.0
20-10-2025	932.4	79.5	32.8	0.0
21-10-2025	942.9	80.6	29.7	0.0
22-10-2025	947.4	81.4	28.1	0.0
23-10-2025	951.1	81.2	28.4	0.0
24-10-2025	952.3	82.5	26.5	3.1
25-10-2025	951.2	82.3	23.8	0.0
26-10-2025	948.5	80.4	26.2	0.0
27-10-2025	934.7	77.3	27.0	0.0
28-10-2025	942.8	83.6	27.1	0.0
29-10-2025	951.7	88.0	23.1	0.0
30-10-2025	950.6	90.7	24.5	3.7
31-10-2025	957.9	91.1	24.0	2.1
			Total	213.9

	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/2025-26/07			Month : October'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)
11-10-2025	33.26	15.86	13.54	10.22
24-10-2025	34.52	16.94	12.61	9.52
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.				
 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/2025-26/07			Month : October'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)
11-10-2025	33.95	16.59	13.92	10.58
24-10-2025	35.05	15.35	12.02	9.25
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/2025-26/07			Month : October'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)
11-10-2025	32.95	12.58	11.54	9.67
24-10-2025	30.59	13.72	12.13	10.21
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 Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 07 (a)
			Issue No.	1
	FUGITIVE EMISSION REPORT		Date of Issue:	01.12.2018
			Revision No.	2
		Date of Rev.	01.12.2020	
Ref: SCL/ENV/FUGITIVE/MONTHLY/2025-26/07				
Wah-Pynkon Limestone Mine (MLA 4.85 Ha.)				
Month - October'25				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
11.10.2025	Near Drilling Point	NA	5000	
11.10.2025	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/2025-26/07 Date: 11.10.2025					
WahPynkon Limestone Mine (MLA 4.85 Ha.)					
Month - October'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)	39.5	44.2	41.9	75
2	Dozer (10 mtr. Distance)	41.9	48.6	45.3	
3	Dumper (10 mtr. Distance)	43.5	48.3	45.9	
4	Excavator	39.4	43.6	41.5	
5	Village				55
	A) Lumshnong	30.9	37.6	34.3	
	B) Thangskai	31.4	39.5	35.5	
 Analyzed by  Checked By  Verified By					

STAR CEMENT Solid Setting			STAR CEMENT LIMITED Lumshnong, Meghalaya WahPynKon, Limstone Mine (MLA 4.85 Ha.)													Reference No.	SCL/EHS/F-04			
																Issue No.	1			
																Date of Issue:	24.08.2013			
			WATER TESTING REPORT- October'25													Revision No.	3			
Date of Rev.	01.06.2019																			
Reference No.: SCL/ENV/WATER/MONTHLY/2025-26/07													Surface Water Analysis Results					Date of sample collection: 01.10.2025		
																		Date of Analysis: 01.10.2025 to 11.10.2025		
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	-	7.5	7.5	7.4	7.4	7.6	7.5	7.5	7.8	7.7	7.6	7.5	7.6	7.5	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	17.5	16.2	20.5	18.1	18.4	20.8	19.4	18.7	18.2	19.8	19.6	18.0	18.4	250				
5	Total Hardness as CaCO ₃	mg/L	96.7	84.5	102.4	118.5	102.4	99.8	95.1	89.9	92.8	105.9	82.8	112.2	86.3	300				
6	Suspended Solids	mg/L	42.1	43.8	56.9	57.1	60.5	63.9	53.6	59.8	52.1	59.7	53.5	50.8	59.1	-				
7	Total Dissolve Solids	mg/L	275.4	298.4	268.7	257.2	248.9	279.4	256.2	248.9	258.4	273.4	275.8	311.5	315.6	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	ND	2.0				
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-				
10	Temperature	° C	24.5	24.5	23.9	24.4	24.8	24.2	23.9	24.7	24.7	24.1	24.8	23.7	24.8	-				
11	Conductivity	µS/cm	234.1	245.9	254.3	251.8	267.4	263.2	266.4	274.3	248.6	232.5	240.8	262.8	254.4	-				
12	Flow	L/ Min	202.4	1523.7	1678.4	863.4	945.2	564.3	9875.3	2296.7	93172.3	997.4	1024.5	1078.9	894.5	-				
Shailendra Kumar Analyzed by K. Gaurav Checked by J. Singh Verified by																				