



Ref: SCL-MLA/EHS/LUMS/2025-26/22

Dated: 17/06/2025

To,

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

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

Reference : MPCB/TB-900(C) Vol-I/2023-2024/7, Dated Shillong, the 5th Sept, 2023.

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 & Surface water monitoring report of **Wahpynkon Limestone Mine (4.85 Ha)** of M/s Star Cement Limited for the month of **May, 2025.**

This is for your kind information, record and kindly acknowledge receipt of the same.

Thanking You,

Yours truly,

For **STAR CEMENT LIMITED**

Laxmaiah Munjala
Unit Head

Enclosed: a/a

Copy to: The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.

STAR CEMENT LIMITED

Corporate Office: Century House, 2nd Floor, P 15/1, CPT Colony, Taratala Road, Kolkata - 700088, E-mail: kolkata@starcement.co.in
Registered Office & Works: Village & PO-Lumshnong, P.S. Khliehriat, District- East Jaintia Hills, Meghalaya-793210, Phone: 03655-278215/16/18, Fax: 03655-278217

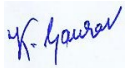
E-mail: ehslums@starcement.co.in | Website: www.starcement.co.in

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

CIN: L26942ML2001PLC006663

	STAR CEMENT LIMITED Lumshnong, Meghalaya			
Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-05-2025	961.0	74.4	24.9	0.0
02-05-2025	959.6	71.7	25.8	0.0
03-05-2025	959.2	82.7	22.9	0.0
04-05-2025	957.7	78.8	25.7	0.0
05-05-2025	958.5	93.5	23.0	1.0
06-05-2025	958.4	85.8	24.6	0.0
07-05-2025	956.5	77.2	27.2	0.0
08-05-2025	959.1	90.4	25.5	8.2
09-05-2025	958.1	70.1	30.8	0.0
10-05-2025	956.7	74.4	29.0	0.0
11-05-2025	956.7	93.8	22.1	10.2
12-05-2025	956.5	97.0	21.1	29.4
13-05-2025	956.6	99.7	21.7	31.7
14-05-2025	957.6	99.8	22.4	32.2
15-05-2025	958.1	98.2	23.6	75.2
16-05-2025	958.0	99.8	22.3	36.4
17-05-2025	958.0	92.2	23.6	5.2
18-05-2025	956.6	93.5	23.8	3.0
19-05-2025	957.2	95.4	23.4	21.2
20-05-2025	956.9	100.0	22.4	175.6
21-05-2025	957.3	96.6	22.4	20.8
22-05-2025	956.6	93.6	24.1	17.2
23-05-2025	954.4	84.4	26.3	0.0
24-05-2025	954.7	84.4	27.2	0.0
25-05-2025	955.6	83.9	27.6	2.0
26-05-2025	956.2	94.6	25.3	17.6
27-05-2025	953.3	79.3	29.4	4.2
28-05-2025	950.5	80.6	28.3	82.0
29-05-2025	949.0	95.2	25.0	26.0
30-05-2025	945.9	100.0	23.4	128.4
31-05-2025	951.0	100.0	23.6	50.0
			Total	777.5

	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/2025-26/02			Month : May	
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)
27.05.2025	32.11	18.28	18.09	17.24
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
			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/2025-26/02			Month : May	
Location of Sampling: ROC Drilling Point		GPS Coordinate: 25°1007"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)
27.05.2025	32.11	18.47	18.28	17.89
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/2025-26/02			Month : May	
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)
27.05.2025	32.88	18.63	18.25	17.88
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 (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		01-01-2021
Ref: SCL/ENV/NOISE/MONTHLY/2025-26/02 Date:- 16.05.2025					
WahPynkon Limestone Mine (MLA 4.85 Ha.)					
Month - May					
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)	67.5	72.1	69.8	75
2	Dozer (10 mtr. Distance)	67.2	70.2	68.7	
3	Dumper (10 mtr. Distance)	69.1	72.3	70.7	
4	Excavator	65.2	71.2	68.2	
5	Village				55
	A) Lumshnong	38.9	43.6	41.3	
	B) Thangskai	40.2	43.8	42.0	
 Analyzed by  Checked By  Verified By					

	STAR CEMENT LIMITED Lumshnong, Meghalaya														Reference No.	SCL/EHS/F-04
															Issue No.	1
	WahPynKon, Limstone Mine (MLA 4.85 Ha.)														Date of Issue:	24.08.2013
															Revision No.	3
															Date of Rev.	01.06.2019
Reference No.: SCL/ENV/WATER/MONTHLY/2025-26/02																
Surface Water Analysis Results																
Date of sample collection: 02.05.2025																
Date of Analysis: 02.05.2025 to 10.05.2025																
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	-	7.4	7.3	7.3	7.2	7.4	7.2	7.4	7.4	7.5	7.6	7.5	7.5	7.2	6.5 - 8.5
2	Colour	Hazen	Colourless	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	10
3	Odour	-	Unobjectionable													
4	Chloride	mg/L	29.2	25.1	26.4	30.2	31.5	35.1	32.5	32.9	25.9	26.7	28.4	32.8	27.5	250
5	Total Hardness as CaCO ₃	mg/L	65.8	60.4	64.8	80.6	79.5	82.4	88.1	59.1	71.5	65.4	58.4	59.7	56.9	300
6	Suspended Solids	mg/L	49.8	43.1	46.2	47.4	50.4	52.8	48.5	43.8	56.7	47.0	53.9	42.8	43.4	-
7	Total Dissolve Solids	mg/L	250.4	284.1	287.4	296.8	315.4	321.9	287.0	224.8	187.9	104.8	156.2	142.7	198.6	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	24.8	25.6	24.5	24.2	23.9	24.8	24.6	24.7	24.7	24.5	24.7	24.4	25.1	-
11	Conductivity	µS/cm	211.5	210.5	245.1	234.2	298.4	312.8	258.7	236.8	134.1	158.6	188.2	173.5	259.4	-
12	Flow	L/ Min	254.1	1589.1	2066.8	709.4	839.4	1257.2	9826.5	2310.5	92110.2	859.3	602.8	984.1	905.8	-
 Analyzed by  Checked by  Verified by																