



Ref: SCL/EHS/LUMS/2025-26/126

Dated: 10/02/2026

To,

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

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

Reference : MPCB/ONLINE-RCTO(R-1) EJHD/2021/2025-2026/117 , Dated Shillong, the 14thJan, 2026.

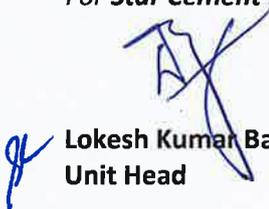
Dear Sir,

This is in reference to above cited subject, we are hereby submitting the Monthly Environmental monitoring reports of Ambient Air Quality including Meteorological data, Stack Emission, Fugitive Emission, Noise, Surface water & Waste Water (STP) monitoring reports of **Star Cement Limited (Line-I & Line-II)** for the month of **January, 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

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

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

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



STAR CEMENT LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-01-2026	977.7	79.9	15.9	0.0
02-01-2026	985.0	77.4	16.0	0.0
03-01-2026	980.3	90.2	11.0	0.0
04-01-2026	1001.8	78.9	15.2	0.0
05-01-2026	1001.4	90.6	11.8	0.0
06-01-2026	1003.9	89.3	11.8	0.0
07-01-2026	999.5	86.5	11.1	0.0
08-01-2026	991.2	88.5	12.1	0.0
09-01-2026	988.4	86.5	13.5	0.0
10-01-2026	992.9	80.9	15.6	0.0
11-01-2026	990.8	72.7	19.7	0.0
12-01-2026	980.2	85.3	15.8	0.0
13-01-2026	979.6	81.8	15.3	0.0
14-01-2026	980.3	72.0	19.1	0.0
15-01-2026	980.6	68.3	20.1	0.0
16-01-2026	982.3	84.7	16.1	0.0
17-01-2026	988.0	85.0	15.5	0.0
18-01-2026	982.4	73.1	19.1	0.0
19-01-2026	989.2	82.1	15.8	0.0
20-01-2026	980.5	85.8	15.0	0.0
21-01-2026	991.0	73.6	18.5	0.0
22-01-2026	995.5	72.0	18.6	0.0
23-01-2026	999.2	65.7	19.5	0.0
24-01-2026	1000.4	64.9	19.7	0.0
25-01-2026	999.3	68.1	18.9	0.0
26-01-2026	996.6	67.7	19.2	0.0
27-01-2026	982.8	78.3	17.0	0.0
28-01-2026	984.9	82.1	14.9	0.0
29-01-2026	993.8	80.0	15.3	0.0
30-01-2026	999.4	86.1	15.5	0.0
31-01-2026	992.7	87.5	18.4	0.0
			Total	0.0



STAR CEMENT LIMITED
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/2025-26/10 Month : January'26

Location of Sampling: Star Public School GPS Coordinate: 25°10'27.46"N 92°23.8'65"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)
02-01-2026	47.41	27.76	13.58	15.71
06-01-2026	49.96	29.65	19.06	13.87
09-01-2026	50.41	29.79	18.68	15.62
13-01-2026	48.01	27.77	18.43	14.24
16-01-2026	49.01	22.35	18.24	15.64
20-01-2026	48.65	25.19	17.09	13.14
23-01-2026	45.79	24.30	19.68	14.64
30-01-2026	43.75	22.85	18.40	13.45
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

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Checked by

[Signature]

Verified By

	STAR CEMENT LIMITED			Reference No.	SCL/Env/F – 01
	Lumshnong, Meghalaya			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/2025-26/10				Month : January'26	
Location of Sampling: Nearby Guest House			GPS Coordinate: 25°10'35.63"N 92°23'14.70"E		
Sampling Duration:	24 Hrs.	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)	
02-01-2026	55.74	25.90	20.89	20.51	
06-01-2026	54.56	27.19	21.91	20.84	
09-01-2026	56.79	23.13	22.37	18.51	
13-01-2026	51.96	23.67	21.82	21.62	
16-01-2026	57.96	25.59	20.34	21.18	
20-01-2026	57.08	23.72	18.66	22.04	
23-01-2026	55.72	23.69	22.55	18.50	
30-01-2026	53.81	22.77	22.49	20.37	
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)	
<p>Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p>					
 Analysed by		 Checked by		 Verified by	

	STAR CEMENT LIMITED			Reference No.	SCL/Env/F – 01
	Lumshnong, Meghalaya			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/2025-26/10				Month : January'26	
Location of Sampling: STP			GPS Coordinate: 25°10'49.59"N 92°23'58.49"E		
Sampling Duration:	24 Hrs.	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)	
02-01-2026	56.44	24.57	16.21	16.68	
06-01-2026	52.51	25.23	16.25	16.92	
09-01-2026	50.57	23.26	16.87	17.82	
13-01-2026	55.58	22.31	17.78	15.89	
16-01-2026	56.17	25.23	16.90	15.02	
20-01-2026	53.53	25.98	14.95	16.66	
23-01-2026	54.58	26.28	19.67	17.92	
30-01-2026	57.54	27.31	17.54	17.17	
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 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.:Tongseng Village /2025-26/10				Month : January'26	
Location of Sampling: Tongseng Village			GPS Coordinate: 25°10'08"N 92°24'17"E 756 m		
Sampling Duration:	24 Hrs.	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)	
09-01-2026	43.60	22.20	18.64	14.20	
29-01-2026	42.29	20.91	18.36	12.26	
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)	
<p>Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p>					
 Analysed by		 Checked by		 Verified By	

	STAR CEMENT LIMITED 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/2025-26/10				Month : January'26	
Location of Sampling: Near AFR			GPS Coordinate: 25°10'22.31"N 92°23'25.28"E		
Sampling Duration:	24 Hrs.	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)	
02-01-2026	55.95	29.19	24.60	19.43	
06-01-2026	61.68	29.83	23.35	18.74	
09-01-2026	57.98	27.84	25.67	18.39	
13-01-2026	56.57	30.02	22.60	18.63	
16-01-2026	60.13	29.04	24.73	19.17	
20-01-2026	62.26	27.12	23.82	16.69	
23-01-2026	63.39	31.03	23.99	18.02	
30-01-2026	61.32	27.81	23.22	19.34	
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

Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

Reference No.	SCL/Env/F-02
Issue No.	1
Date of Issue	01.05.2019
Revision No.	5
Date of Rev.	01.06.2021

Report No: SCL/ENV/STACK/MONTHLY/2025-26/10

Month: January'26

Analysis Result

A. General Information About Stack

	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
1 Stack Identification No								
2 Stack Connected to	Kiln/Raw Mill	Coal Mill	Cooler	Roller Press	Cement Mill	Packing Plant	Primary Crusher	Secondary Crusher
3 Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4 Shape of duct	Circular	Circular	Circular	Circular	Circular	Circular	Circular	Circular
5 Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

B. Physical characteristic of stack

1 Stack Height from ground level (meter)	45.4	37	30.4	24	30	28	21	17
2 Duct diameter at sampling point (meter)	3	1.2	2.8	1.4	1.5	1.1	1.2	1.0
3 Sampling height point from ground level (meter)	-	-	-	-	-	-	-	-
4 Cross sectional area of Duct/Stack (m ²)	7.07	1.13	6.15	1.54	1.77	0.95	1.13	0.79

C. Pollution Control Device

1 Details of pollution control device attached to stack	Reverse Air Bag House	Bag Filter	ESP	Bag Filter				
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D. Result of Sampling & Analysis of Gaseous Emission

1 Date of Sampling	-	-	-	06-01-2026	06-01-2026	07-01-2026	09-01-2026	09-01-2026
2 Ambient Temp (°C)	-	-	-	30	30	32	29	29
3 Stack Gas Temp (°C)	-	-	-	45	44	42	44	43
4 Exit Velocity of Gas (m/sec.)	-	-	-	11.39	12.09	13.82	9.72	8.05
5 Flow Rate (Nm ³ /sec.)	-	-	-	11.87	11.23	10.36	9.11	7.53
6 Concentration of PM (mg/Nm ³)	-	-	-	10.26	12.63	15.12	16.05	15.24
7 Concentration of SO ₂ (mg/Nm ³)	-	-	-	-	-	-	-	-
8 Concentration of NO _x (mg/Nm ³)	-	-	-	-	-	-	-	-
9 Oxygen (O ₂) (%)	-	-	-	9.9	10.0	9.8	9.9	9.7

E. Remarks	The Plant is under shutdown except Packing Plant, Cement Mill, Roller Press, Primary Crusher, Secondary Crusher from 19/08/2025.							
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Standard

PM - 30 mg/Nm³

SO₂ - 1000 mg/Nm³

NO_x - 600 mg/Nm³

Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)

Shalendra Kumar
Analysed by

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Checked by

[Signature]
Verified By



STAR CEMENT LIMITED

Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

Reference No.	SCL/Env/F-02
Issue No.	1
Date of Issue	01.05.2019
Revision No.	5
Date of Rev.	01.06.2021

Report No: SCL/ENV/STACK/MONTHLY/2025-26/10

Month: January'26

Analysis Result

A. General Information About Stack

	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
1 Stack Identification No								
2 Stack Connected to	Kiln/Raw Mill	Coal Mill	Cooler	Roller Press	Cement Mill	Packing Plant	Primary Crusher	Secondary Crusher
3 Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4 Shape of duct	Circular	Circular	Circular	Circular	Circular	Circular	Circular	Circular
5 Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

B. Physical characteristic of stack

1 Stack Height from ground level (meter)	45.4	37	30.4	24	30	28	21	17
2 Duct diameter at sampling point (meter)	3	1.2	2.8	1.4	1.5	1.1	1.2	1.0
3 Sampling height point from ground level (meter)	-	-	-	-	-	-	-	-
4 Cross sectional area of Duct/Stack (m ²)	7.07	1.13	6.15	1.54	1.77	0.95	1.13	0.79

C. Pollution Control Device

1 Details of pollution control device attached to stack	Reverse Air Bag House	Bag Filter	ESP	Bag Filter				
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D. Result of Sampling & Analysis of Gaseous Emission

1 Date of Sampling	-	-	-	22-01-2026	22-01-2026	23-01-2026	21-01-2026	21-01-2026
2 Ambient Temp (°C)	-	-	-	27	27	29	29	29
3 Stack Gas Temp (°C)	-	-	-	44	49	43	42	43
4 Exit Velocity of Gas (m/sec.)	-	-	-	13.75	12.54	13.27	9.24	8.53
5 Flow Rate (Nm ³ /sec.)	-	-	-	12.56	12.02	9.44	8.21	7.15
6 Concentration of PM (mg/Nm ³)	-	-	-	13.35	17.23	16.52	15.33	15.54
7 Concentration of SO ₂ (mg/Nm ³)	-	-	-	-	-	-	-	-
8 Concentration of NO _x (mg/Nm ³)	-	-	-	-	-	-	-	-
9 Oxygen (O ₂) (%)	-	-	-	10.0	9.8	9.7	9.9	10.0

E. Remarks
The Plant is under shutdown except Packing Plant, Cement Mill, Roller Press, Primary Crusher, Secondary Crusher from 19/08/2025.

Standard

PM - 30 mg/Nm³

SO₂ - 1000 mg/Nm³

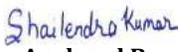
NO_x - 600 mg/Nm³

Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)

Shalendra Kumar
Analysed by

Checked by

Verified By

	STAR CEMENT LIMITED Lumshnong, Meghalaya	Document No.	SCL/EHS/Env/F-04
		Date of Issued	01-05-2019
	FUGITIVE EMISSION MONITORING REPORT	Revision No.	2
		Revision Date	01-01-2021
Ref: SCL/ENV/FUGITIVE/MONTHLY/2025-26/10			
Month - January'26			
Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline
			Limit (in $\mu\text{g}/\text{m}^3$)
06.01.2026	Coal Storage Section	892	2000
06.01.2026	Limestone Storage Section	1159	5000
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  Analyzed By </div> <div style="text-align: center;">  Checked by </div> <div style="text-align: center;">  Verified By </div> </div>			



STAR CEMENT LIMITED

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/2025-26/10

Date:06.01.2026

Month - January'26

S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms in dB(A)	Measured Values dB(A) Night time (10:00pm to 6:00am)			Norms in dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A. Plant									
1	Kiln	60.3	63.6	62.0	75	46.0	58.4	52.2	70
2	Raw Mill	47.9	61.8	54.9		44.7	56.1	50.4	
3	Raw Mill WF	48.7	63.1	55.9		45.2	57.5	51.4	
4	Coal Mill	51.4	61.2	56.3		45.7	54.4	50.1	
5	Cement Mill	57.3	63.4	60.4		44.8	59.2	52.0	
6	Cement Mill WF	57.6	61.3	59.5		47.1	56.6	51.9	
7	Primary Crusher (Dump Hopper)	55.0	59.7	57.4		45.4	55.0	50.2	
8	Primary Crusher (Near BC-1)	52.9	61.7	57.3		47.7	53.4	50.6	
9	Secondary Crusher	56.2	64.9	60.6		45.4	57.5	51.5	
B. DG House									
1	Control Room	47.6	60.9	54.3	75	37.3	53.9	45.6	70
2	Office	48.4	56.9	52.7		40.5	48.0	44.3	
C. Offices									
1	CCR	41.3	52.5	46.9	75	39.3	50.6	45.0	70
2	Meeting Room	38.4	51.7	45.1		35.0	45.7	40.4	
3	VP'S Room	40.3	44.9	42.6		34.6	38.2	36.4	
4	Inst. Shift Room	39.3	48.5	43.9		36.8	44.2	40.5	
5	Drawing Office	39.8	54.7	47.3		36.0	44.8	40.4	
6	QC Department								
	a) Chemical Lab	50.8	58.4	54.6		46.2	49.1	47.6	
	b) Physical Lab	53.2	62.4	57.8		45.2	50.5	47.9	
	c) Shift Lab	43.1	55.2	49.2		40.4	45.9	43.2	
	d) Sample Preparation Room	44.6	62.3	53.5		37.5	45.8	41.6	
D. Residential									
1	Bachelor Hostel	41.9	48.4	45.2	55	32.2	37.7	35.0	45
2	HOD'S Quater's	39.8	47.2	43.5		32.9	39.4	36.2	
3	650 Quater's	37.1	46.9	42.0		30.1	39.7	34.9	
4	250 Quater's	37.9	45.2	41.6		30.5	38.0	34.3	
5	Hut	36.8	45.6	41.2		29.5	38.4	34.0	
E.	Dispensery	36.2	44.2	40.2		29.2	37.0	33.1	

Shaulendra Kumar
Analyzed by

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Checked By

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STAR CEMENT LIMITED
Lumshnong, Meghalaya

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

WATER TESTING REPORT- January'26

Reference No.: SCL/ENV/WATER/MONTHLY/2025-26/10

Date of sample collection: 01.01.2026

Date of Analysis: 01.01.2026 to 10.01.2026

Sl.No.	Parameter	Unit	STP Inlet	STP Outlet	Standard Norms For Discharge of Environment Pollution according to Consent To Operate
1	pH	-	7.8	8.2	5.5 to 9.0
2	Temperature	° C	27	26	Shall not exceed 5.0°C above the receiving water temperature
3	Oil & Grease	mg/l	5.3	<3.0	10
4	Total Residual Chlorine	mg/l	<0.01	<0.01	1.0
5	Ammoniacal Nitrogen (as N)	mg/l	17	6.4	50
6	Total Kjeldahl Nitrogen (as N)	mg/l	38	16	100
7	Free Ammonia (NH3)	mg/l	1.05	<0.01	5.0
8	Suspended Solids	mg/l	99	24	100
9	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/l	25	12	30
10	Chemical Oxygen Demand	mg/l	265	48	250

Shailendra Kumar
Analysed By

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STAR CEMENT LIMITED

Lumshnong, Meghalaya

WATER TESTING REPORT- January'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/2025-26/10

Surface Water Analysis Results

Date of sample collection: 01.01.2026

Date of Analysis: 01.01.2026 to 10.01.2026

S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nallah	Seshympa	Lunar	Lukha	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296
			Up Stream	Down Stream	Up Stream	Down Stream	Down Stream								
1	pH	-	7.2	7.6	7.3	7.6	7.5	7.3	7.4	7.2	7.6	7.2	7.8	7.6	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	18.5	20.4	20.7	22.8	23.4	20.9	21.1	22.4	21.7	18.2	20.3	18.5	250
5	Total Hardness as CaCO ₃	mg/L	128.5	131.2	125.1	115.9	132.8	104.2	96.5	100.3	147.5	105.4	120.5	98.8	300
6	Suspended Solids	mg/L	54.5	65.3	62.8	70.2	65.8	66.2	64.3	59.4	67.3	58.5	52.8	64.6	-
7	Total Dissolve Solids	mg/L	245.9	256.4	215.7	232.9	248.6	235.4	258.6	237.5	242.8	251.7	240.2	252.3	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	25.0	24.1	24.5	23.4	23.6	24.1	24.8	23.1	24.7	22.8	25.5	24.3	-
11	Conductivity	µS/cm	203.4	235.1	227.9	255.4	259.3	248.7	264.9	244.5	209.6	217.5	236.7	247.2	-
12	Flow	L / Min	358.1	420.5	147.6	185.3	251.6	4586.2	1647.3	56125.3	99.5	50.1	324.8	289.5	-

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STAR CEMENT LIMITED LINE-II

Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

Reference No.	SCL/Env/F-02
Issue No.	1
Date of Issue	01.05.2019
Revision No.	5
Date of Rev.	01.06.2021

Report No: SCL-II/ENV/STACK/MONTHLY/2025-26/10

Month: January'26

Analysis Result

A. General Information About Stack						
1	Stack Identification No	S-1	S-2	S-3	S-4	S-5
2	Stack Connected to	LS Crusher	Add Crusher	Kiln/Raw Mill	Coal Mill	Cooler
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4	Shape of duct	Circular	Circular	Circular	Circular	Circular
5	Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes
B. Physical characteristic of stack						
1	Stack Height from ground level (meter)	30.5	12.5	162.0	77.0	60.0
2	Duct diameter at sampling point (meter)	1.45	0.7	4.8	2.0	4.0
3	Sampling height point from ground level (meter)	21.0	9.6	86	31.85	-
4	Cross sectional area of Duct/Stack (m ²)	1.65	0.38	21.24	4.26	16.05
C. Pollution Control Device						
1	Details of pollution control device attached to stack	Bag Filter	Bag Filter	Reverse Air Bag House	Bag Filter	ESP
D. Result of Sampling & Analysis of Gaseous Emission						
1	Date of Sampling	02-01-2026	-	03-01-2026	03-01-2026	05-01-2026
2	Ambient Temp (°C)	28	-	32	30	31
3	Stack Gas Temp (°C)	42	-	161	72	149
4	Exit Velocity of Gas (m/sec.)	15.42	-	19.61	16.22	18.31
5	Flow Rate (Nm ³ / sec.)	19.55	-	175.24	30.98	58.45
6	Concentration of PM (mg/Nm ³)	17.12	-	25.16	17.20	18.52
7	Concentration of SO ₂ (mg/Nm ³)	-	-	439.8	-	-
8	Concentration of NO _x (mg/Nm ³)	-	-	261.1	-	-
9	Oxygen (O ₂) (%)	10.4	-	11.2	10.2	11
E.	Remarks	The additive crusher is not in use between 01/01/2026 to 31/01/2026.				
Standard						
PM - 30 mg/Nm ³		SO ₂ - 1000 mg/Nm ³		NO _x - 600 mg/Nm ³		
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP), Limestone (LS), Additive (Add)						
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Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

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Month: January'26

Analysis Result

A. General Information About Stack						
1	Stack Identification No	S-1	S-2	S-3	S-4	S-5
2	Stack Connected to	LS Crusher	Add Crusher	Kiln/Raw Mill	Coal Mill	Cooler
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4	Shape of duct	Circular	Circular	Circular	Circular	Circular
5	Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes
B. Physical characteristic of stack						
1	Stack Height from ground level (meter)	30.5	12.5	162.0	77.0	60.0
2	Duct diameter at sampling point (meter)	1.45	0.7	4.8	2.0	4.0
3	Sampling height point from ground level (meter)	21.0	9.6	86	31.85	-
4	Cross sectional area of Duct/Stack (m ²)	1.65	0.38	21.24	4.26	16.05
C. Pollution Control Device						
1	Details of pollution control device attached to stack	Bag Filter	Bag Filter	Reverse Air Bag House	Bag Filter	ESP
D. Result of Sampling & Analysis of Gaseous Emission						
1	Date of Sampling	16-01-2026	-	17-01-2026	17-01-2026	19-01-2026
2	Ambient Temp (°C)	32	-	34	33	32
3	Stack Gas Temp (°C)	41	-	164	70	142
4	Exit Velocity of Gas (m/sec.)	15.09	-	19.20	17.31	18.12
5	Flow Rate (Nm ³ / sec.)	20.14	-	169.05	32.45	57.65
6	Concentration of PM (mg/Nm ³)	17.29	-	20.36	18.71	25.70
7	Concentration of SO ₂ (mg/Nm ³)	-	-	559.2	-	-
8	Concentration of NO _x (mg/Nm ³)	-	-	220.5	-	-
9	Oxygen (O ₂) (%)	10.6	-	11.0	10.9	11.2
E.	Remarks	The additive crusher is not in use between 01/01/2026 to 31/01/2026.				
Standard						
PM - 30 mg/Nm ³		SO ₂ - 1000 mg/Nm ³		NO _x - 600 mg/Nm ³		
<i>Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP), Limestone (LS), Additive (Add)</i>						
Analysed by <i>Shailendra Kumar</i>		Checked by <i>[Signature]</i>		Verified By <i>[Signature]</i>		



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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-II /ENV/NOISE/MONTHLY/2025-26/10

Date: 02.01.2026

Month - January'26

S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms in dB(A)	Measured Values dB(A) Night time (10:00pm to 6:00am)			Norms in dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A	Plant								
1	Kiln	66.7	69.1	67.9	75	55.8	58.5	57.1	70
2	Raw Mill	65.4	68.6	67.0		54.2	56.6	55.4	
3	Coal Mill	66.1	68.9	67.5		54.7	57.5	56.1	
4	Additive Crusher	64.0	66.6	65.3		54.8	63.0	58.9	
5	Primary Crusher	68.5	70.5	69.5		54.5	61.2	57.8	
6	Secondary Crusher	66.2	70.2	68.2		55.2	61.9	58.5	
C.	Residential								
1	Line II colony	42.6	48.2	45.4	55	32.5	35.9	34.2	45

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Lumshnong, Meghalaya

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

WATER TESTING REPORT- January'26

Reference No.: SCL-II/ENV/WATER/MONTHLY/2025-26/10

Date of sample collection: 01.01.2026

Date of Analysis: 01.01.2026 to 10.01.2026

Sl.No.	Parameter	Unit	STP Inlet	STP Outlet	Standard Norms For Discharge of Environment Pollution according to Consent To Operate
1	pH	-	7.8	8.2	5.5 to 9.0
2	Temperature	° C	27	26	Shall not exceed 5.0°C above the receiving water temperature
3	Oil & Grease	mg/l	5.3	<3.0	10
4	Total Residual Chlorine	mg/l	<0.01	<0.01	1.0
5	Ammoniacal Nitrogen (as N)	mg/l	17	6.4	50
6	Total Kjeldahl Nitrogen (as N)	mg/l	38	16	100
7	Free Ammonia (NH3)	mg/l	1.05	<0.01	5.0
8	Suspended Solids	mg/l	99	24	100
9	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/l	25	12	30
10	Chemical Oxygen Demand	mg/l	265	48	250

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STAR CEMENT LIMITED LINE-II

Lumshnong, Meghalaya

WATER TESTING REPORT- January'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-II/ENV/WATER/MONTHLY/2025-26/10

Surface Water Analysis Results

Date of sample collection: 01.01.2026

Date of Analysis: 01.01.2026 to 10.01.2026

S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nallah	Seshympa	Lunar	Lukha	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296
			Up Stream	Down Stream	Up Stream	Down Stream	Down Stream								
1	pH	-	7.2	7.6	7.3	7.6	7.5	7.3	7.4	7.2	7.6	7.2	7.8	7.6	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	18.5	20.4	20.7	22.8	23.4	20.9	21.1	22.4	21.7	18.2	20.3	18.5	250
5	Total Hardness as CaCO ₃	mg/L	128.5	131.2	125.1	115.9	132.8	104.2	96.5	100.3	147.5	105.4	120.5	98.8	300
6	Suspended Solids	mg/L	54.5	65.3	62.8	70.2	65.8	66.2	64.3	59.4	67.3	58.5	52.8	64.6	-
7	Total Dissolve Solids	mg/L	245.9	256.4	215.7	232.9	248.6	235.4	258.6	237.5	242.8	251.7	240.2	252.3	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	25.0	24.1	24.5	23.4	23.6	24.1	24.8	23.1	24.7	22.8	25.5	24.3	-
11	Conductivity	µS/cm	203.4	235.1	227.9	255.4	259.3	248.7	264.9	244.5	209.6	217.5	236.7	247.2	-
12	Flow	L / Min	358.1	420.5	147.6	185.3	251.6	4586.2	1647.3	56125.3	99.5	50.1	324.8	289.5	-

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