

STAR CEMENT MEGHALAYA LIMITED

CIN : U63090ML2005PLC008011

Corporate Office : Century House, P-15/1, Taratala Road, 2nd Floor, Kolkata - 700088 e-mail: kolkata@starcement.co.in

Ref: SCML/EHS/LUMS/2026-27/27

Dated: 08/07/2026

To,

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

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

Reference : MPCB/ONLINE/RCTO (O-I) EJHD/2025/2025-26/14, Dtd: Shillong, the 7th October, 2025.
: MPCB/CL-166/2025-2026/12 Dated: Shillong, the 3rd June 2025.
: MPCB/CL-166/2025-2026/13 Dated: Shillong, the 3rd June 2025.

Dear Sir,

This is in reference to above cited subject, we are hereby submitting the Monthly Environmental monitoring reports of Ambient Air Quality monitoring including Meteorological data, Stack Emission, Fugitive Emission, Noise, Surface water, Ground water & Wastewater quality monitoring reports of **Star Cement Meghalaya Limited** which includes **Clinker unit , Clinker Grinding unit, Thermal Power Plant-43 MW, & Thermal Power Plant- 8 MW** for the month of **June, 2026**.

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

Thanking You,

Yours truly,

For **STAR CEMENT MEGHALAYA LIMITED**


Lokesh Kumar Bahety
Unit Head



Enclosed: a/a



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-06-2026	989.4	97.4	27.0	0.0
02-06-2026	998.1	96.6	27.6	1.2
03-06-2026	993.7	99.5	26.1	5.4
04-06-2026	999.8	99.8	25.4	35.9
05-06-2026	994.8	98.3	25.7	65.4
06-06-2026	998.7	91.4	27.8	0.0
07-06-2026	1002.0	98.4	26.7	26.8
08-06-2026	1001.4	99.8	25.3	119.5
09-06-2026	995.3	100.0	24.9	74.0
10-06-2026	996.1	99.6	25.5	0.0
11-06-2026	1005.5	92.1	27.4	0.0
12-06-2026	999.7	98.0	26.0	14.6
13-06-2026	1001.5	98.7	26.5	0.0
14-06-2026	992.7	100.0	25.5	34.2
15-06-2026	995.6	99.4	25.4	37.6
16-06-2026	996.7	92.6	28.2	8.2
17-06-2026	996.3	100.0	24.7	31.8
18-06-2026	1000.1	100.0	25.1	7.4
19-06-2026	1003.2	100.0	24.2	153.0
20-06-2026	998.7	100.0	24.6	27.4
21-06-2026	996.1	100.0	25.4	17.2
22-06-2026	998.2	99.9	25.7	8.2
23-06-2026	1000.0	97.6	26.2	15.6
24-06-2026	997.9	97.2	25.4	13.2
25-06-2026	992.3	97.2	26.9	0.0
26-06-2026	995.0	97.5	27.0	0.0
27-06-2026	998.4	100.0	26.2	7.6
28-06-2026	1000.8	98.3	27.1	17.8
29-06-2026	999.0	99.9	26.0	26.6
30-06-2026	1000.3	87.4	27.8	0.0
			Total	748.6

Report No.: ENV/SCML/ML/26-27/AA-06

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**

Lumshnong, PO: Lumshnong, Dist.: East Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM 10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
	LIMIT(S)* →	---	60	100	80	80
1.	Vishwakarma Colony	09.06.2026	21.3	53.7	7.6	8.3
2.	WHRS Colony	09.06.2026	19.6	48.7	7.9	8.6
3.	Near Guest House	10.06.2026	20.7	50.2	6.4	7.4
4.	Near TPP Office	10.06.2026	23.9	55.4	12.2	14.2

Analysis Protocol: IS 5182

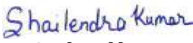
* Limits as per G.S.R. 826(E), 16.11.2009

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya		Reference No.	SCML/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.: SCML/ENV/AAQM/MONTHLY/2026-27/03			Month : June'26	
Location of Sampling: Vishwakarma Colony		GPS Coordinate: 25°10'49.59"N 92°23'58.49"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)
02-06-2026	34.47	20.12	17.19	14.12
05-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
15-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
17-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
23-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
27-06-2026	38.52	19.03	14.83	13.86
30-06-2026	38.79	18.64	15.29	13.60
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 Solid Setting	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya		Reference No.	SCML/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.: SCML/ENV/AAQM/MONTHLY/2026-27/03			Month : June'26	
Location of Sampling: WHRS Colony		GPS Coordinate: 25°10'50.90"N 92°23'51.31"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)
02-06-2026	40.73	20.04	16.73	13.67
05-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
15-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
17-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
23-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
27-06-2026	42.29	23.54	17.52	13.65
30-06-2026	37.27	21.04	18.21	14.38
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 MEGHALAYA LIMITED Lumshnong, Meghalaya		Reference No.	SCML/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.: SCML/ENV/AAQM/MONTHLY/2026-27/03			Month : June'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.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
01-06-2026	41.33	22.83	18.75	17.40
03-06-2026	40.15	24.12	19.77	17.73
08-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
12-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
16-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
26-06-2026	41.46	20.79	20.41	15.39
29-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
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 MEGHALAYA LIMITED Lumshnong, Meghalaya		Reference No.	SCML/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.: SCML/ENV/AAQM/MONTHLY/2026-27/03			Month : June'26	
Location of Sampling: Near TPP office		GPS Coordinate: 25°10'33.74"N 92°23'46.20"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)
02-06-2026	50.27	22.52	20.43	15.48
05-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
15-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
17-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
23-06-2026	Rainfall	Rainfall	Rainfall	Rainfall
27-06-2026	53.76	21.97	19.28	12.94
30-06-2026	52.39	23.63	19.83	15.98
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 MEGHALAYA LIMITED

Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

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

Report No: SCML/ENV/STACK/MONTHLY/2026-27/03

Month: June'26

Analysis Result

A. General Information About Stack

		S-1	S-2	S-3	S-4	S-5
1	Stack Identification No					
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)	24.2	21.0	70.0	59.5	50.0
2	Duct diameter at sampling point (meter)	1.6	1.2	5.8	1.8	4.0
3	Sampling height point from ground level (meter)	-	-	23.15	10.38	-
4	Cross sectional area of Duct/Stack (m ²)	2.01	1.13	26.41	2.54	12.56

C. Pollution Control Device

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

1	Date of Sampling	05-06-2026	05-06-2026	09-06-2026	06-06-2026	06-06-2026
2	Ambient Temp (°C)	26	26	25	30	30
3	Stack Gas Temp (°C)	42	41	137	70	149
4	Exit Velocity of Gas (m/sec.)	12.05	12.73	16.54	13.97	15.85
5	Flow Rate (Nm ³ / sec.)	13.52	12.59	116.91	26.18	67.02
6	Quantity of Emission (Nm ³ / Hr)	48672	45324	420876	94248	241272
7	Concentration of PM (mg/Nm ³)	14.21	13.36	13.06	16.11	14.09
8	Concentration of SO ₂ (mg/Nm ³)	-	-	422.51	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-	239.85	-	-
10	Oxygen (O ₂) (%)	10.1	9.8	10.8	11.1	11.2

E.	Remarks	
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Standard

PM - 30 mg/Nm ³	SO ₂ - 1000 mg/Nm ³	NO _x - 600 mg/Nm ³
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Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (NO_x), Electro Static Precipitator (ESP), Limestone (LS), Additive (Add)

Shailendra Kumar
Analysed by

Checked by

Verified By



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

STACK EMISSION MONITORING ANALYSIS REPORT

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

Report No: SCML/ENV/STACK/MONTHLY/2026-27/03

Month: June'26

Analysis Result

A. General Information About Stack

	S-1	S-2	S-3	S-4	S-5
1 Stack Identification No					
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)	24.2	21.0	70.0	59.5	50.0
2 Duct diameter at sampling point (meter)	1.6	1.2	5.8	1.8	4.0
3 Sampling height point from ground level (meter)	-	-	23.15	10.38	-
4 Cross sectional area of Duct/Stack (m ²)	2.01	1.13	26.41	2.54	12.56

C. Pollution Control Device

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

1 Date of Sampling	25-06-2026	25-06-2026	27-06-2026	26-06-2026	26-06-2026
2 Ambient Temp (°C)	28	28	27	29	29
3 Stack Gas Temp (°C)	44	43	146	69	149
4 Exit Velocity of Gas (m/sec.)	12.41	12.32	18.41	13.57	17.04
5 Flow Rate (Nm ³ / sec.)	16.14	16.38	111.26	26.85	66.92
6 Quantity of Emission (Nm ³ / Hr)	58104	58968	400536	96660	240912
7 Concentration of PM (mg/Nm ³)	16.99	17.08	13.42	16.21	16.72
8 Concentration of SO ₂ (mg/Nm ³)	-	-	461.71	-	-
9 Concentration of NO _x (mg/Nm ³)	-	-	238.27	-	-
10 Oxygen (O ₂) (%)	9.9	9.8	11.1	11.0	11.2

E. Remarks

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), Limestone (LS), Additive (Add)

Shailendra Kumar
Analysed by

Checked by

Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
			Date of Issue	01.05.2019
			Revision No.	5
STACK EMISSION MONITORING ANALYSIS REPORT			Date of Rev.	01.06.2021
Report No: SCML/ENV/STACK/MONTHLY/2026-27/03			Month: June'26	
<u>Analysis Result</u>				
A. General Information About Stack				
1	Stack Identification No	S-4	S-5	
2	Stack Connected to	Cement Mill	Packing Plant	
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	
4	Shape of duct	Circular	Circular	
5	Whether duct is provided with permanent platform & ladder	Yes	Yes	
B. Physical characteristic of stack				
1	Stack Height from ground level (meter)	30.0	31.0	
2	Duct diameter at sampling point (meter)	1.2	0.8	
3	Sampling height point from ground level (meter)	27.8	29.5	
4	Cross sectional area of Duct/Stack (m ²)	1.77	0.95	
C. Pollution Control Device				
1	Details of pollution control device attached to stack	Bag Filter	Bag Filter	
D. Result of Sampling & Analysis of Gaseous Emission				
1	Date of Sampling	10-06-2026	10-06-2026	
2	Ambient Temp (°C)	26	26	
3	Stack Gas Temp (°C)	43	42	
4	Exit Velocity of Gas (m/sec.)	14.26	12.38	
5	Flow Rate (Nm ³ / sec.)	11.86	12.10	
6	Quantity of Emission (Nm ³ / Hr)	42696	43560	
7	Concentration of PM (mg/Nm ³)	6.21	12.63	
8	Concentration of SO ₂ (mg/Nm ³)	-	-	
9	Concentration of NO _x (mg/Nm ³)	-	-	
10	Oxygen (O ₂) (%)	9.4	9.1	
E.	Remarks			
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)				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
			Date of Issue	01.05.2019
			Revision No.	5
	STACK EMISSION MONITORING ANALYSIS REPORT		Date of Rev.	01.06.2021

Report No: SCML/ENV/STACK/MONTHLY/2026-27/03 Month: June'26

Analysis Result

A. General Information About Stack			
1	Stack Identification No	S-4	S-5
2	Stack Connected to	Cement Mill	Packing Plant
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel
4	Shape of duct	Circular	Circular
5	Whether duct is provided with permanent platform & ladder	Yes	Yes
B. Physical characteristic of stack			
1	Stack Height from ground level (meter)	30.0	31.0
2	Duct diameter at sampling point (meter)	1.2	0.8
3	Sampling height point from ground level (meter)	27.8	29.5
4	Cross sectional area of Duct/Stack (m ²)	1.77	0.95
C. Pollution Control Device			
1	Details of pollution control device attached to stack	Bag Filter	Bag Filter
D. Result of Sampling & Analysis of Gaseous Emission			
1	Date of Sampling	24-06-2026	24-06-2026
2	Ambient Temp (°C)	26	26
3	Stack Gas Temp (°C)	42	41
4	Exit Velocity of Gas (m/sec.)	15.45	14.26
5	Flow Rate (Nm ³ / sec.)	13.01	13.12
6	Quantity of Emission (Nm ³ / Hr)	46836	47232
7	Concentration of PM (mg/Nm ³)	6.11	12.41
8	Concentration of SO ₂ (mg/Nm ³)	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-
10	Oxygen (O ₂) (%)	9.7	9.6
E.	Remarks		
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)			
 Analysed by  Checked by  Verified By			

Report No.: ENV/SCML/ML/26-27/SE-17

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260609/03		
02	Date of Sampling	09.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Lime Stone Crusher		
05	Flue Gas Temperature (°C)	25		
06	Exit Velocity of Gas (m/sec)	4.1		
07	Flow Rate (Nm³/hr)	18116		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	13	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

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3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/SCML/ML/25-26/SE-19

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260610/05		
02	Date of Sampling	10.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Additive Crusher		
05	Flue Gas Temperature (°C)	25		
06	Exit Velocity of Gas (m/sec)	4.2		
07	Flow Rate (Nm³/hr)	11877		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	14	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/SCML/ML/26-27/SE-18

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260610/04		
02	Date of Sampling	10.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill / Kiln		
05	Flue Gas Temperature (°C)	129		
06	Exit Velocity of Gas (m/sec)	11.4		
07	Flow Rate (Nm³/hr)	215073		
08	Type of Fuel Used	Coal		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	19	mg/Nm³	30



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

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GREEN FORCE

ASSOCIATES PRIVATE LIMITED

Report No- GFAPL/26-27/SCML/001

Issued Date-19.06.2026

TEST REPORT

Client Name & Address	STAR CEMENT MEGHALAYA LIMITED. At- Lumshnong, P. O.: Khliehriat, Dist.: East Jaintia Hills, Meghalaya.		
Nature of Sampling	Stack Monitoring		
Sampling By	Client's Representative		
Environmental Condition	Clean	Sampling Method	As per IS: 11255
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	10.06.2026	Date of Receiving	15.06.2026
Date of Analysis	15.06.2026	Date of Complete	18.06.2026
Sampling Location	ST1- Stack Attached to Raw Mill/ Kiln;		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		

Sl. No	Items	Testing Method	Unit	Limits	Results
1	Sulphur Dioxide as SO ₂	IS-11255(PART-2) 1985, (RA-2019)	mg/Nm ³	1000	670
2	Nitrogen oxide as NO _x	IS-11255(PART-2) 1985	mg/Nm ³	600	284

Reviewed By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESHWAR, ODISHA

Mr. S.K. Parhi

Authorized Signatory

DEPUTY QUALITY MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESHWAR, ODISHA

Mr. M.K. Swain

Note:

- The results listed refer only to tested samples and applicable parameters Endorsement of products is neither inferred nor implied.
- Total liability of our lab is limited to the invoiced amount.
- Samples will be destroyed after 10 days from the date of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Report refers to the sample submitted to us and not drawn by unless mentioned otherwise.

END OF REPORT

Report No.: ENV/SCML/ML/26-27/SE-15

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260609/01		
02	Date of Sampling	09.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	54		
06	Exit Velocity of Gas (m/sec)	9.3		
07	Flow Rate (Nm³/hr)	34511		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	26	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/SCML/ML/26-27/SE-16

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260609/02		
02	Date of Sampling	09.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler ESP		
05	Flue Gas Temperature (°C)	107		
06	Exit Velocity of Gas (m/sec)	7.2		
07	Flow Rate (Nm³/hr)	125179		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	21	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/SCML/ML/25-26/SE-20

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260610/06		
02	Date of Sampling	10.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	61		
06	Exit Velocity of Gas (m/sec)	8.6		
07	Flow Rate (Nm³/hr)	31245		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	22	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

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Report No.: ENV/SCML/ML/25-26/SE-21

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260611/07		
02	Date of Sampling	11.06.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant		
05	Flue Gas Temperature (°C)	27		
06	Exit Velocity of Gas (m/sec)	6.2		
07	Flow Rate (Nm³/hr)	15123		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	21	mg/Nm³	30

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

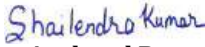
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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya		Document No.	SCML/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021

Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/03

Month - June'26			
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
02.06.2026	Coal Storage Section	1263	2000
02.06.2026	Limestone Storage Section	1407	5000
02.06.2026	Clinker Loading Section	1441	2000


 Analyzed By


 Checked By


 Verified By

	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL Lumshnong, Meghalaya		Document No.	SCML/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/03				
Month - June'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	
27.06.2026	Cement Packing Plant	1210	(in $\mu\text{g}/\text{m}^3$) 5000	
 Analyzed By  Checked by  Verified By				

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya				Document No.		SCML/EHS/Env/F-03		
					Effective Date		01-05-2019		
					Revision No.		04		
	NOISE LEVEL MONITORING REPORT				Revision Date		01-01-2021		
Ref: SCML/ENV/NOISE/MONTHLY/2026-27/03						Date: 30.06.2026			
Month -June'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	63.2	71.8	67.5	75	58.5	61.9	60.2	70
2	Vertical Raw Mill	60.9	70.6	65.8		52.0	58.6	55.3	
3	Raw Mill WF	62.3	70.9	66.6		49.6	60.0	54.8	
4	Coal Mill	59.8	66.3	63.1		53.2	56.6	54.9	
5	Limestone Crusher(Dump Hopper)	59.5	67.8	63.7		55.3	60.3	57.8	
6	Additive Crusher	62.2	68.7	65.5		53.7	58.7	56.2	
7	Cement Mill	59.3	67.4	63.4		52.3	60.6	56.4	
8	Cement Mill WF	59.9	65.9	62.9		50.8	61.2	56.0	
B.	Offices								
1	CCR	48.7	55.1	51.9		38.8	50.4	44.6	
2	Meeting Room	47.7	53.8	50.8		39.7	49.7	44.7	
3	VP'S Room	48.5	54.8	51.7		34.8	47.2	41.0	
4	Inst. Shift Room	51.1	63.6	57.4		41.1	52.1	46.6	
5	Electrical Office	49.0	60.2	54.6		41.7	52.7	47.2	
6	QC Department								
	a)Chemical Lab	56.2	61.3	58.8	34.8	47.5	41.1		
	b)Physical Lab	64.0	69.5	66.8	48.8	59.7	54.2		
	c)XRF Lab	50.0	58.6	54.3	37.8	50.7	44.2		
	d) Sample Preparation Room	60.2	65.6	62.9	45.8	56.1	50.9		
C.	Residential								
1	450 Quater's	39.3	44.8	42.1	55	30.2	40.7	35.4	45
2	Worker's Colony	40.1	46.3	43.2		31.1	39.3	35.2	
 Analyzed by  Checked By  Verified By									

Report No.: ENV/SCML/ML/26-27/N-06

Date : 04/07/2026

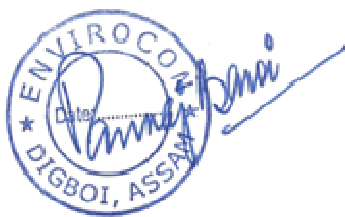
Order No.: 5300027956

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Locations	Date Of Measurement	Day Time		Night Time	
			Results Leq (dB-A)	Limit (dB-A)	Results Leq (dB-A)	Limit (dB-A)
1	Near STP	10.06.2026	51.7	75	43.4	70
2	Near Worker Colony	10.06.2026	52.9	75	45.4	70
3	Near Raw Mill Hopper	10.06.2026	69.8	75	65.7	70
4	Near Water Reservoir	10.06.2026	65.7	75	61.3	70

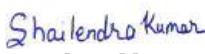


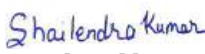
Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (43MW) Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
			Date of Issue:	01.05.2019
			Revision No.	5
STACK EMISSION MONITORING ANALYSIS REPORT			Date of Rev.	01.06.2021
Report No: SCML TPP(43MW)/ENV/STACK/MONTHLY/2026-27/03			Month: June'26	
<u>Analysis Result</u>				
A. General Information About Stack				
1	Stack Identification No			43 MW
2	Stack Connected to			Boiler
3	Material of Construction (Stack/Duct)			RCC
4	Shape of duct			Circular
5	Whether duct is provided with permanent platform & ladder			Yes
B. Physical characteristic of stack				
1	Stack Height from ground level (meter)			110.0
2	Duct diameter at sampling point (meter)			2.75
3	Sampling height point from ground level (meter)			45.5
4	Cross sectional area of Duct/Stack (m ²)			5.94
C. Pollution Control Device				
1	Details of pollution control device attached to stack			ESP
D. Result of Sampling & Analysis of Gaseous Emission				
1	Date of Sampling			11-06-2026
2	Ambient Temp (°C)			29
3	Stack Gas Temp (°C)			136
4	Exit Velocity of Gas (m/sec.)			27.4
5	Flow Rate (Nm ³ / sec.)			68.2
6	Quantity of Emission (Nm ³ / Hr)			245664
7	Concentration of PM (mg/Nm ³)			36.02
8	Concentration of SO ₂ (mg/Nm ³)			465.91
9	Concentration of NO _x (mg/Nm ³)			253.85
10	Oxygen (O ₂) (%)			11.1
E. Remarks:				
Standard				
PM - 50 mg/Nm ³		SO ₂ - 600 mg/Nm ³		NO _x - 300 mg/Nm ³
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (43MW) Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
			Date of Issue:	01.05.2019
			Revision No.	5
STACK EMISSION MONITORING ANALYSIS REPORT			Date of Rev.	01.06.2021
Report No: SCML TPP(43MW)/ENV/STACK/MONTHLY/2026-27/03			Month: June'26	
<u>Analysis Result</u>				
A. General Information About Stack				
1	Stack Identification No			43 MW
2	Stack Connected to			Boiler
3	Material of Construction (Stack/Duct)			RCC
4	Shape of duct			Circular
5	Whether duct is provided with permanent platform & ladder			Yes
B. Physical characteristic of stack				
1	Stack Height from ground level (meter)			110.0
2	Duct diameter at sampling point (meter)			2.75
3	Sampling height point from ground level (meter)			45.5
4	Cross sectional area of Duct/Stack (m ²)			5.94
C. Pollution Control Device				
1	Details of pollution control device attached to stack			ESP
D. Result of Sampling & Analysis of Gaseous Emission				
1	Date of Sampling			30-06-2026
2	Ambient Temp (°C)			29
3	Stack Gas Temp (°C)			133
4	Exit Velocity of Gas (m/sec.)			26.9
5	Flow Rate (Nm ³ / sec.)			61.1
6	Quantity of Emission (Nm ³ / Hr)			219960
7	Concentration of PM (mg/Nm ³)			28.51
8	Concentration of SO ₂ (mg/Nm ³)			439.23
9	Concentration of NO _x (mg/Nm ³)			234.81
10	Oxygen (O ₂) (%)			10.9
E. Remarks:				
Standard				
PM - 50 mg/Nm ³		SO ₂ - 600 mg/Nm ³		NO _x - 300 mg/Nm ³
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)				
 Analysed by		 Checked by		 Verified By

Report No.: ENV/SCML-TPP/ML/26-27/SE-05

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED - TPP**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	MPL/SE-260611/01		
02	Date of Sampling	11.06.2026		
03	Material of Construction	RCC		
04	Stack Attached To	ESP (43 MW)		
05	Flue Gas Temperature (°C)	89		
06	Exit Velocity of Gas (m/sec)	8.2		
07	Flow Rate (Nm³/hr)	42949		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	41	mg/Nm³	50
ii.	Mercury (as Hg)	<0.001	mg/Nm³	0.03

NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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GREEN FORCE

ASSOCIATES PRIVATE LIMITED

Report No- GFAPL/26-27/SCML/002

Issued Date-19.06.2026

TEST REPORT

Client Name & Address	STAR CEMENT MEGHALAYA LIMITED. At- Lumshnong, P. O.: Khliehriat, Dist.: East Jaintia Hills, Meghalaya.		
Nature of Sampling	Stack Monitoring		
Sampling By	Client's Representative		
Environmental Condition	Clean	Sampling Method	As per IS: 11255
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	11.06.2026	Date of Receiving	15.06.2026
Date of Analysis	15.06.2026	Date of Complete	18.06.2026
Sampling Location	ST2- Stack Attached to ESP (43 MW):		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		

Sl. No	Items	Testing Method	Unit	Limits	Results
1	Sulphur Dioxide as SO ₂	IS-11255(PART-2) 1985, (RA-2019)	mg/Nm ³	600	476
2	Nitrogen oxide as NO _x	IS-11255(PART-2) 1985	mg/Nm ³	300	194

Reviewed By
TECHNICAL MANAGER
 GREENFORCE ASSOCIATES PRIVATE LIMITED
 BHUBANESWAR, ODISHA
 Mr. S.K. Parhi

Authorized Signatory
DEPUTY QUALITY MANAGER
 GREENFORCE ASSOCIATES PRIVATE LIMITED
 BHUBANESWAR, ODISHA
 Mr. M.K. Swain

Note:

- > The results listed refer only to tested samples and applicable parameters Endorsement of products is neither inferred nor implied.
- > Total liability of our lab is limited to the invoiced amount.
- > Samples will be destroyed after 10 days from the date of test report unless otherwise specified.
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- > Report refers to the sample submitted to us and not drawn by unless mentioned otherwise.

END OF REPORT

	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (8MW) Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
			Date of Issue:	01.05.2019
	STACK EMISSION MONITORING ANALYSIS REPORT		Revision No.	5
Date of Rev.			01.06.2021	
Report No: SCML TPP(8 MW)/ENV/STACK/MONTHLY/2026-27/03			Month: June'26	
<u>Analysis Result</u>				
A.	General Information About Stack			
1	Stack Identification No	8 MW		
2	Stack Connected to	Boiler		
3	Material of Construction (Stack/Duct)	Mild Steel		
4	Shape of duct	Circular		
5	Whether duct is provided with permanent platform & ladder	Yes		
B.	Physical characteristic of stack			
1	Stack Height from ground level (meter)	45		
2	Duct diameter at sampling point (meter)	2.08		
3	Sampling height point from ground level (meter)	11		
4	Cross sectional area of Duct/Stack (m ²)	3.4		
C.	Pollution Control Device			
1	Details of pollution control device attached to stack	ESP		
D.	Result of Sampling & Analysis of Gaseous Emission			
1	Date of Sampling	-		
2	Ambient Temp (°C)	-		
3	Stack Gas Temp (°C)	-		
4	Exit Velocity of Gas (m/sec.)	-		
5	Flow Rate (Nm ³ / sec.)	-		
6	Quantity of Emission (Nm ³ / Hr)	-		
7	Concentration of PM (mg/Nm ³)	-		
8	Concentration of SO ₂ (mg/Nm ³)	-		
9	Concentration of NO _x (mg/Nm ³)	-		
10	Oxygen (O ₂) (%)	-		
E.	Remarks: THERMAL POWER PLANT was not in operation.			
Standard				
PM - 50 mg/Nm ³		SO ₂ - 600 mg/Nm ³		NO _x - 300 mg/Nm ³
<i>Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (NO_x), Electro Static Precipitator (ESP)</i>				
 Analysed by		 Checked by		 Verified By

Report No.: ENV/SCML-TPP/ML/26-27/SE-06

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED - TPP**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	NA		
02	Date of Sampling	NA		
03	Material of Construction	M. S.		
04	Stack Attached To	ESP (8 MW)		
05	Flue Gas Temperature (°C)	NA		
06	Exit Velocity of Gas (m/sec)	NA		
07	Flow Rate (Nm³/hr)	NA		
08	Type of Fuel Used	NA		
09	Analysis Results of Flue Gas			
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	NA	mg/Nm³	50
ii.	Mercury (as Hg)	NA	mg/Nm³	0.03

NA: Not Applicable

Note: Plant was shut down during the monitoring period.



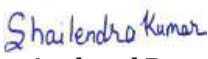
Checked By: Mr.

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 STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (43MW) Lumshnong, Meghalaya		Document No.	SCML/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCML TPP(43MW)/ENV/FUGITIVE/MONTHLY/2026-27/03				
Month - June'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
27.06.2026	Coal Storage Section	1209	2000	
 Analyzed By  Checked By  Verified By				

	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (8MW) Lumshnong, Meghalaya		Document No.	SCML/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCML TPP(8 MW)/ENV/FUGITIVE/MONTHLY/2026-27/02				
Month - June'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
27.06.2026	Coal Storage Section	1043	2000	
 Analyzed By  Checked By  Verified By				

	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (43MW) Lumshnong, Meghalaya					Document No.		SCML/EHS/Env/F-03	
						Date of Issued		01-05-2019	
						Revision No.		04	
	NOISE LEVEL MONITORING REPORT					Revision Date		01-01-2021	
Ref: SCML TPP(43MW)/ENV/NOISE/MONTHLY/2026-27/03 Date: 27.06.2026									
Month -June'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	Turbine House Ground Floor	64.9	70.3	67.6	75	53.9	58.6	56.3	70
2	Turbine House 9 Mt.	62.6	68.2	65.4		55.8	57.1	56.5	
3	RO – MCC	63.1	69.2	66.2		54.1	59.5	56.8	
4	Boiler Ground Floor	62.9	67.1	65.0		55.9	57.9	56.9	
5	CHP – MCC	67.3	72.3	69.8		54.2	56.6	55.4	
6	Office Area	47.5	53.8	50.7		39.2	40.9	40.1	
 Analyzed by  Checked By  Verified By									



STAR CEMENT MEGHALAYA LIMITED
THERMAL POWER PLANT (8MW)
Lumshnong, Meghalaya

NOISE LEVEL MONITORING REPORT

Document No.	SCML/EHS/Env/F-03
Date of Issued	01-05-2019
Revision No.	04
Revision Date	01-01-2021

Ref: SCML TPP (8MW)/ENV/NOISE/MONTHLY/2026-27/03

Date: 27.06.2026

Month -June'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	Turbine House Ground Floor	64.9	70.3	67.6	75	53.9	58.6	56.3	70
2	Turbine House 9 Mt.	62.6	68.2	65.4		55.8	57.1	56.5	
3	RO – MCC	63.1	69.2	66.2		54.1	59.5	56.8	
4	Boiler Ground Floor	62.9	67.1	65.0		55.9	57.9	56.9	
5	CHP – MCC	67.3	72.3	69.8		54.2	56.6	55.4	
6	Office Area	47.5	53.8	50.7		39.2	40.9	40.1	

Shailendra Kumar
Analyzed by

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Checked By

[Signature]
Verified By

Report No.: ENV/SCML-TPP/ML/26-27/N-03

Date : 04/07/2026

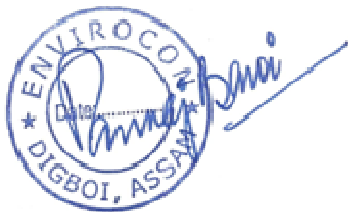
Order No.: 5300027956

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALYA LIMITED - TPP**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Locations	Date Of Measurement	Day Time		Night Time	
			Results Leq (dB-A)	Limit (dB-A)	Results Leq (dB-A)	Limit (dB-A)
1	Near Piezometer Well	09.06.2026	55.7	75	46.2	70
2	Near ADM Office (South)	09.06.2026	56.2	75	48.9	70
3	Near ADM Office	09.06.2026	53.9	75	46.1	70
4	Behind DM Plant	09.06.2026	64.7	75	57.2	70



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

WATER TESTING REPORT- June'26

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

Reference No.: SCML/ENV/WATER/MONTHLY/2026-27/03

Surface Water Analysis Results

Date of sample collection: 01.06.2026

Date of Analysis: 01.06.2026 to 11.06.2026

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	-	6.9	7.1	6.8	6.9	7.5	7.3	7.2	6.9	7.2	7.4	7.3	7.2	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	20.1	19.2	20.2	19.6	19.9	21.1	20.8	21.0	21.9	22.3	21.9	250
5	Total Hardness as CaCO ₃	mg/L	196.5	201.6	188.2	196.3	182.0	159.4	185.3	196.5	176.3	169.7	214.3	178.8	300
6	Suspended Solids	mg/L	64.8	66.1	63.9	65.7	64.8	59.5	64.2	69.5	62.4	65.9	64.8	69.7	-
7	Total Dissolve Solids	mg/L	321.6	284.5	259.3	271.6	254.4	232.1	254.0	226.7	238.1	269.3	278.5	228.6	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	2.0
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
10	Temperature	° C	22.6	22.9	23.4	23.6	24.4	22.9	23.6	23.9	24.1	23.2	22.8	24.2	-
11	Conductivity	µS/cm	459.4	406.4	370.4	388.0	363.4	331.6	362.9	323.9	340.1	384.7	397.9	326.6	-
12	Flow	L / Min	3511.2	4223.1	2689.3	3101.5	5201.8	235874.6	98961.6	486325.6	1259.3	1103.5	1896.2	2586.9	-

Shailendra Kumar
Analyzed by

[Signature]
Checked by

[Signature]
Verified by

Report No.: ENV/SCML/ML/26-27/WW-13

Date : 04/07/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**

Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/01

Sample Source : ETP Inlet (SCML)

Sample Type : ETP Un-treated Water

Collected On : 13-06-2026

Received On : 15-06-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.58	--	5.5 – 9.0
2.	Temperature	26.4	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	62	mg/l	30
4.	Chemical Oxygen Demand	432	mg/l	250
5.	Total Suspended Solids	212	mg/l	100
6.	Oil & Grease	8.6	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	38	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	86	mg/l	100
10.	Free Ammonia	0.29	mg/l	5.0

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

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Report No.: ENV/SCML/ML/26-27/WW-14

Date : 06/05/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/02 Sample Source : ETP Outlet (SCML) Sample Type : ETP Treated Water
Collected On : 13-06-2026 Received On : 15-06-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.72	--	5.5 – 9.0
2.	Temperature	26.4	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	17	mg/l	30
4.	Chemical Oxygen Demand	63	mg/l	250
5.	Total Suspended Solids	24	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	5.5	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	27	mg/l	100
10.	Free Ammonia	<0.01	mg/l	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/SCML/ML/26-27/WW-15**Date : 04/07/2026****Order No.: 5300027956****Date : 17/04/2026****Report Issued To : STAR CEMENT MEGHALAYA LIMITED****Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya**

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/03

Sample Source : STP Inlet (SCML)

Sample Type : STP Un-treated Water

Collected On : 13-06-2026

Received On : 15-06-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.69	--	5.5 – 9.0
2.	Temperature	26.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	54	mg/l	30
4.	Chemical Oxygen Demand	388	mg/l	250
5.	Total Suspended Solids	256	mg/l	100
6.	Oil & Grease	7.4	mg/l	10
7.	Total Residual Chlorine	0.25	mg/l	1.0
8.	Ammonical Nitrogen (as N)	36	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	74	mg/l	100
10.	Free Ammonia	0.34	mg/l	5.0

**Checked By: Mr. Pankaj Baroi, ENVIROCON**

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Report No.: ENV/SCML/ML/26-27/WW-16

Date : 06/05/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/04 Sample Source : STP Outlet (SCML) Sample Type : STP Treated Water
Collected On : 13-06-2026 Received On : 15-06-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.18	--	5.5 – 9.0
2.	Temperature	26.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	23	mg/l	30
4.	Chemical Oxygen Demand	125	mg/l	250
5.	Total Suspended Solids	33	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	14	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	34	mg/l	100
10.	Free Ammonia	0.06	mg/l	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/SCML/ML/26-27/WW-17

Date : 06/05/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/05

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Un-treated)

Collected On : 13-06-2026

Received On : 15-06-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	4.33	--	5.5 – 9.0
2.	Temperature	26.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	7	mg/l	30
4.	Chemical Oxygen Demand	99	mg/l	250
5.	Total Suspended Solids	161	mg/l	100
6.	Oil & Grease	5.4	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	44	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	83	mg/l	100
10.	Free Ammonia	0.27	mg/l	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/SCML/ML/26-27/WW-18

Date : 06 /05/2026

Order No.: 5300027956

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Lumshnong, P. O.: Khilehriat, Dist.: East Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/WW-260613/06

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Treated)

Collected On : 13-06-2026

Received On : 15-06-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.42	--	5.5 – 9.0
2.	Temperature	26.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	5	mg/l	30
4.	Chemical Oxygen Demand	82	mg/l	250
5.	Total Suspended Solids	75	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	28	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	61	mg/l	100
10.	Free Ammonia	0.14	mg/l	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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