

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/2026-27/34

Dated: 10/08/2026

To,

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

Subject : Submission of Environmental Monitoring Report for the month of July, 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 & 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 July, 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

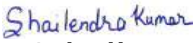


STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-07-2026	997.5	96.5	27.5	3.2
02-07-2026	995.3	95.8	27.9	7.2
03-07-2026	996.1	92.7	29.1	2.4
04-07-2026	992.9	93.0	29.3	0.0
05-07-2026	991.5	91.3	29.3	8.6
06-07-2026	1000.2	94.8	27.8	21.8
07-07-2026	1000.5	100.0	25.5	25.3
08-07-2026	998.6	100.0	25.0	86.6
09-07-2026	997.4	97.2	24.5	145.2
10-07-2026	1000.3	100.0	25.2	48.4
11-07-2026	996.5	99.6	25.9	54.0
12-07-2026	998.7	100.0	25.4	58.2
13-07-2026	1002.3	95.5	27.7	7.6
14-07-2026	998.0	94.4	29.1	0.0
15-07-2026	988.5	94.5	29.1	25.4
16-07-2026	997.4	98.9	26.9	28.4
17-07-2026	998.5	95.0	26.0	22.2
18-07-2026	999.5	93.3	26.1	32.9
19-07-2026	999.3	98.7	24.2	37.4
20-07-2026	1004.5	98.6	23.8	46.6
21-07-2026	995.6	90.5	27.4	19.8
22-07-2026	1002.8	87.0	27.6	17.6
23-07-2026	1001.9	94.5	25.6	11.6
24-07-2026	999.2	87.3	27.7	2.8
25-07-2026	995.4	82.4	29.8	0.0
26-07-2026	997.2	82.2	30.4	6.2
27-07-2026	999.9	82.7	29.9	0.0
28-07-2026	1000.5	84.3	29.4	16.2
29-07-2026	996.1	83.9	29.4	10.0
30-07-2026	1002.9	92.3	26.9	13.8
31-07-2026	1001.5	88.0	27.8	40.4
			Total	799.8

	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/2026-27/04			Month : July'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)
01-07-2026	37.64	23.46	18.03	16.57
06-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
14-07-2026	37.54	21.47	17.26	14.57
16-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
21-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
24-07-2026	36.74	22.28	17.67	16.11
27-07-2026	41.96	21.98	18.07	16.55
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/2026-27/04			Month : July'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)
01-07-2026	42.40	21.50	17.55	15.16
06-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
14-07-2026	41.14	20.88	18.72	16.17
16-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
21-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
24-07-2026	41.96	25.00	18.34	16.95
27-07-2026	38.01	21.46	19.03	15.09
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/2026-27/04			Month : July'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)
02-07-2026	39.79	23.39	16.55	17.17
07-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
10-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
15-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
17-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
22-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
25-07-2026	38.92	21.35	18.21	15.16
28-07-2026	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/2026-27/04			Month : July'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)
01-07-2026	53.46	23.65	21.75	17.07
06-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
14-07-2026	47.95	27.24	19.81	18.36
16-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
21-07-2026	Rainfall	Rainfall	Rainfall	Rainfall
24-07-2026	56.95	23.10	20.60	14.58
27-07-2026	55.58	25.70	21.15	17.57
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.				
 Analysed by		 Checked by		 Verified By

Report No.: ENV/SCML/ML/26-27/AA-07

Date : 10/08/2026

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	11.07.2026	18.9	49.5	7.2	7.7
2.	WHRS Colony	11.07.2026	17.6	47.2	7.7	8.5
3.	Near Guest House	12.07.2026	18.4	44.7	6.4	7.2
4.	Near TPP Office	12.07.2026	20.7	51.4	10.8	12.6

Analysis Protocol: IS 5182

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

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

NOTE:

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2. Results refer only to the particular parameters tested.
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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

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/2026-27/04

Month: July'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	04-07-2026	04-07-2026	02-07-2026	06-07-2026	06-07-2026
2	Ambient Temp (°C)	30	30	28	29	29
3	Stack Gas Temp (°C)	43	44	140	69	146
4	Exit Velocity of Gas (m/sec.)	11.98	11.23	14.81	13.29	14.75
5	Flow Rate (Nm ³ / sec.)	11.85	12.31	99.42	19.66	42.95
6	Quantity of Emission (Nm ³ / Hr)	42660	44316	357912	70776	154620
7	Concentration of PM (mg/Nm ³)	17.24	15.92	12.61	16.96	19.19
8	Concentration of SO ₂ (mg/Nm ³)	-	-	440.98	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-	247.79	-	-
10	Oxygen (O ₂) (%)	9.8	9.9	10.9	10.8	11.1

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/2026-27/04

Month: July'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	16-07-2026	16-07-2026	18-07-2026	17-07-2026	17-07-2026
2 Ambient Temp (°C)	27	27	26	26	26
3 Stack Gas Temp (°C)	40	41	142	70	147
4 Exit Velocity of Gas (m/sec.)	11.67	12.01	15.95	13.68	14.48
5 Flow Rate (Nm ³ / sec.)	12.65	13.11	100.24	19.21	43.47
6 Quantity of Emission (Nm ³ / Hr)	45540	47196	360864	69156	156492
7 Concentration of PM (mg/Nm ³)	16.26	17.01	14.02	15.31	14.58
8 Concentration of SO ₂ (mg/Nm ³)	-	-	471.65	-	-
9 Concentration of NO _x (mg/Nm ³)	-	-	239.19	-	-
10 Oxygen (O ₂) (%)	9.7	10	11.0	10.7	10.9

E. Remarks

The Plant is under maintenance between 21/06/2026 to 05/07/2026.

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

Report No.: ENV/SCML/ML/26-27/SE-22

Date : 10/08/2026

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-260711/01		
02	Date of Sampling	11.07.2026		
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)	10.3		
07	Flow Rate (Nm³/hr)	38222		
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	23	mg/Nm³	30

NA: Not Applicable



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

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Report No.: ENV/SCML/ML/26-27/SE-23

Date : 10/08/2026

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-260711/02		
02	Date of Sampling	11.07.2026		
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	19	mg/Nm³	30

NA: Not Applicable



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

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Report No.: ENV/SCML/ML/26-27/SE-24

Date : 10/08/2026

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-260711/03		
02	Date of Sampling	11.07.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Lime Stone Crusher		
05	Flue Gas Temperature (°C)	27		
06	Exit Velocity of Gas (m/sec)	4.2		
07	Flow Rate (Nm³/hr)	18434		
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	16	mg/Nm³	30

NA: Not Applicable



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

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Report No.: ENV/SCML/ML/26-27/SE-25

Date : 10/08/2026

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-260712/04		
02	Date of Sampling	12.07.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill / Kiln		
05	Flue Gas Temperature (°C)	141		
06	Exit Velocity of Gas (m/sec)	12.3		
07	Flow Rate (Nm³/hr)	225326		
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**

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

Report No- GFAPL/26-27/SCML/003

Issued Date-23.07.2026

TEST REPORT

Client Name & Address	STAR CEMENT MEGHALAYA LIMITED. At- Lumshnong, P. O.: Khilehriat, 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	12.07.2026	Date of Receiving	17.07.2026
Date of Analysis	18.07.2026	Date of Complete	22.07.2026
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	550
2	Nitrogen oxide as NO _x	IS-11255(PART-2) 1985	mg/Nm ³	600	250

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/25-26/SE-26

Date : 10/08/2026

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-260712/05		
02	Date of Sampling	12.07.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Additive Crusher		
05	Flue Gas Temperature (°C)	26		
06	Exit Velocity of Gas (m/sec)	3.9		
07	Flow Rate (Nm³/hr)	10992		
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**

NOTE:

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Report No.: ENV/SCML/ML/25-26/SE-27

Date : 10/08/2026

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-260712/06		
02	Date of Sampling	12.07.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	62		
06	Exit Velocity of Gas (m/sec)	8.6		
07	Flow Rate (Nm³/hr)	31152		
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**

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Report No.: ENV/SCML/ML/25-26/SE-28

Date : 10/08/2026

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-260712/07		
02	Date of Sampling	12.07.2026		
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)	7.3		
07	Flow Rate (Nm³/hr)	13123		
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:

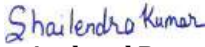
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	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya		Document No.	SCML/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021

Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/04

Month - July'26			
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)
24.07.2026	Coal Storage Section	1186	2000
24.07.2026	Limestone Storage Section	1328	5000
24.07.2026	Clinker Loading Section	1397	2000


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/2026-27/04						Date: 24.07.2026			
Month -July'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	61.6	69.0	65.3	75	47.1	56.5	51.8	70
2	Vertical Raw Mill	59.3	67.8	63.5		51.1	57.3	54.2	
3	Raw Mill WF	60.7	68.1	64.4		48.7	58.7	53.7	
4	Coal Mill	58.2	63.5	60.8		52.3	55.3	53.8	
5	Limestone Crusher(Dump Hopper)	57.9	65.0	61.4		54.4	59.0	56.7	
6	Additive Crusher	60.6	65.9	63.2		52.8	57.4	55.1	
7	Cement Mill	57.7	64.6	61.1		51.4	59.3	55.3	
8	Cement Mill WF	58.3	63.1	60.7		49.9	59.9	54.9	
B.	Offices								
1	CCR	49.5	56.6	53.1		38.0	49.1	43.6	
2	Meeting Room	46.5	54.3	50.4		38.9	48.4	43.7	
3	VP'S Room	45.3	50.3	47.8		34.0	45.9	40.0	
4	Inst. Shift Room	51.9	65.1	58.5		40.3	50.8	45.6	
5	Electrical Office	49.8	61.7	55.8		40.9	51.4	46.2	
6	QC Department								
	a)Chemical Lab	57.0	62.8	59.9	34.0	46.2	40.1		
	b)Physical Lab	64.8	68.0	66.4	48.0	58.4	53.2		
	c)XRF Lab	50.8	60.1	55.5	37.0	49.4	43.2		
	d) Sample Preparation Room	61.0	67.1	64.1	45.0	54.8	49.9		
C.	Residential								
1	450 Quater's	40.1	46.3	43.2	55	29.4	39.4	34.4	45
2	Worker's Colony	40.9	47.8	44.4		30.3	38.0	34.2	
 Analyzed by  Checked By  Verified By									

Report No.: ENV/SCML/ML/26-27/N-07

Date : 10/08/2026

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	11.07.2026	53.8	75	44.5	70
2	Near Worker Colony	11.07.2026	54.5	75	44.9	70
3	Near Raw Mill Hopper	12.07.2026	70.2	75	65.7	70
4	Near Water Reservoir	12.07.2026	66.7	75	62.4	70



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

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	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/2026-27/04 Month: July'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	15-07-2026	15-07-2026
2	Ambient Temp (°C)	30	30
3	Stack Gas Temp (°C)	40	41
4	Exit Velocity of Gas (m/sec.)	10.57	11.85
5	Flow Rate (Nm ³ / sec.)	9.63	10.17
6	Quantity of Emission (Nm ³ / Hr)	34668	36612
7	Concentration of PM (mg/Nm ³)	5.81	13.98
8	Concentration of SO ₂ (mg/Nm ³)	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-
10	Oxygen (O ₂) (%)	9.7	9.4
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/2026-27/04 Month: July'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	23-07-2026	23-07-2026
2	Ambient Temp (°C)	26	26
3	Stack Gas Temp (°C)	43	40
4	Exit Velocity of Gas (m/sec.)	11.83	10.47
5	Flow Rate (Nm ³ / sec.)	10.11	11.42
6	Quantity of Emission (Nm ³ / Hr)	36396	41112
7	Concentration of PM (mg/Nm ³)	6.02	12.77
8	Concentration of SO ₂ (mg/Nm ³)	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-
10	Oxygen (O ₂) (%)	9.8	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

	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/2026-27/04				
Month - July'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	
27.07.2026	Cement Packing Plant	1180	(in $\mu\text{g}/\text{m}^3$) 5000	
 Analyzed By  Checked by  Verified By				

	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/2026-27/04			Month: July'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 (Nox), Electro Static Precipitator (ESP)</i>				
 Analysed by		 Checked by		 Verified By

Report No.: ENV/SCML-TPP/ML/26-27/SE-08

Date : 10/08/2026

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

NA: Not Applicable

Note: Plant was shut down during the monitoring period.



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

NOTE:

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	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/2026-27/04				
Month - July'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
27.07.2026	Coal Storage Section	1063	2000	
 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

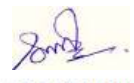
Ref: SCML TPP (8MW)/ENV/NOISE/MONTHLY/2026-27/04

Date: 27.07.2026

Month -July'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	63.2	66.8	65.0	75	51.2	57.8	54.5	70
2	Turbine House 9 Mt.	64.8	63.5	64.2		52.6	55.3	54.0	
3	RO – MCC	61.9	62.6	62.3		51.9	54.2	53.1	
4	Boiler Ground Floor	63.2	66.3	64.8		52.1	56.5	54.3	
5	CHP – MCC	64.6	68.2	66.4		49.3	53.0	51.2	
6	Office Area	45.2	50.6	47.9		40.3	41.6	41.0	


Analyzed 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/2026-27/04			Month: July'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			01-07-2026
2	Ambient Temp (°C)			28
3	Stack Gas Temp (°C)			109
4	Exit Velocity of Gas (m/sec.)			21.5
5	Flow Rate (Nm ³ / sec.)			59.4
6	Quantity of Emission (Nm ³ / Hr)			213840
7	Concentration of PM (mg/Nm ³)			28.17
8	Concentration of SO ₂ (mg/Nm ³)			442.42
9	Concentration of NO _x (mg/Nm ³)			230.21
10	Oxygen (O ₂) (%)			10.8
E. Remarks:				
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 (Nox), Electro Static Precipitator (ESP)</i>				
 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/2026-27/04			Month: July'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			24-07-2026
2	Ambient Temp (°C)			28
3	Stack Gas Temp (°C)			112
4	Exit Velocity of Gas (m/sec.)			20.1
5	Flow Rate (Nm ³ / sec.)			55.4
6	Quantity of Emission (Nm ³ / Hr)			199476
7	Concentration of PM (mg/Nm ³)			36.20
8	Concentration of SO ₂ (mg/Nm ³)			468.63
9	Concentration of NO _x (mg/Nm ³)			251.78
10	Oxygen (O ₂) (%)			11.0
E. Remarks:				
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 (Nox), Electro Static Precipitator (ESP)</i>				
 Analysed by		 Checked by		 Verified By

Report No.: ENV/SCML-TPP/ML/26-27/SE-07

Date : 10/08/2026

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-260713/01		
02	Date of Sampling	13.07.2026		
03	Material of Construction	RCC		
04	Stack Attached To	ESP (43 MW)		
05	Flue Gas Temperature (°C)	88		
06	Exit Velocity of Gas (m/sec)	7.2		
07	Flow Rate (Nm³/hr)	37816		
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

NA: Not Applicable



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

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Report No- GFAPL/26-27/SCML/004

Issued Date-23.07.2026

TEST REPORT

Client Name & Address	STAR CEMENT MEGHALAYA LIMITED. At- Lumshnong, P. O.: Khilehriat, 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	13.07.2026	Date of Receiving	17.07.2026
Date of Analysis	18.07.2026	Date of Complete	22.07.2026
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	489
2	Nitrogen oxide as NO _x	IS-11255(PART-2) 1985	mg/Nm ³	300	242

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

	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/2026-27/04				
Month - July'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)		(in $\mu\text{g}/\text{m}^3$)
27.07.2026	Coal Storage Section	1181	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/2026-27/04 Date: 27.07.2026									
Month -July'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	63.2	66.8	65.0	75	51.2	57.8	54.5	70
2	Turbine House 9 Mt.	64.8	63.5	64.2		52.6	55.3	54.0	
3	RO – MCC	61.9	62.6	62.3		51.9	54.2	53.1	
4	Boiler Ground Floor	63.2	66.3	64.8		52.1	56.5	54.3	
5	CHP – MCC	64.6	68.2	66.4		49.3	53.0	51.2	
6	Office Area	45.2	50.6	47.9		40.3	41.6	41.0	
 Analyzed by  Checked By  Verified By									

Report No.: ENV/SCML-TPP/ML/26-27/N-04

Date : 10/08/2026

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	13.07.2026	56.4	75	46.9	70
2	Near ADM Office (South)	13.07.2026	55.2	75	46.5	70
3	Near ADM Office	13.07.2026	57.3	75	47.8	70
4	Behind DM Plant	13.07.2026	66.1	75	58.6	70

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

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Report No.: ENV/SCML/ML/26-27/WW-19

Date : 10/08/2026

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-260713/01 Sample Source : ETP Inlet (SCML) Sample Type : ETP Un-treated Water
Collected On : 13-07-2026 Received On : 15-07-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.61	--	5.5 – 9.0
2.	Temperature	26.7	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	58	mg/l	30
4.	Chemical Oxygen Demand	415	mg/l	250
5.	Total Suspended Solids	226	mg/l	100
6.	Oil & Grease	8.1	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	41	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	95	mg/l	100
10.	Free Ammonia	0.29	mg/l	5.0



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

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Report No.: ENV/SCML/ML/26-27/WW-20

Date : 10/08/2026

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-260713/02

Sample Source : ETP Outlet (SCML)

Sample Type : ETP Treated Water

Collected On : 13-07-2026

Received On : 15-07-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.75	--	5.5 – 9.0
2.	Temperature	26.7	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	21	mg/l	30
4.	Chemical Oxygen Demand	66	mg/l	250
5.	Total Suspended Solids	29	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)	6.5	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	31	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-21

Date : 10/08/2026

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-260713/03

Sample Source : STP Inlet (SCML)

Sample Type : STP Un-treated Water

Collected On : 13-07-2026

Received On : 15-07-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.61	--	5.5 – 9.0
2.	Temperature	26.5	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	56	mg/l	30
4.	Chemical Oxygen Demand	258	mg/l	250
5.	Total Suspended Solids	267	mg/l	100
6.	Oil & Grease	7.9	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	39	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	78	mg/l	100
10.	Free Ammonia	0.32	mg/l	5.0



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

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Report No.: ENV/SCML/ML/26-27/WW-22

Date : 10/08/2026

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-260713/04

Sample Source : STP Outlet (SCML)

Sample Type : STP Treated Water

Collected On : 13-07-2026

Received On : 15-07-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.22	--	5.5 – 9.0
2.	Temperature	26.5	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	26	mg/l	30
4.	Chemical Oxygen Demand	110	mg/l	250
5.	Total Suspended Solids	36	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	0.09	mg/l	1.0
8.	Ammonical Nitrogen (as N)	14	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	39	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-23

Date : 10/08/2026

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-260713/05

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Un-treated)

Collected On : 13-07-2026

Received On : 15-07-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	4.15	--	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)	55	mg/l	30
4.	Chemical Oxygen Demand	160	mg/l	250
5.	Total Suspended Solids	159	mg/l	100
6.	Oil & Grease	5.5	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	12	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	32	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-24

Date : 10/08/2026

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-260713/06

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Treated)

Collected On : 13-07-2026

Received On : 15-07-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	5.89	--	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)	21	mg/l	30
4.	Chemical Oxygen Demand	83	mg/l	250
5.	Total Suspended Solids	38	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)	3.2	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	9.8	mg/l	100
10.	Free Ammonia	<0.01	mg/l	5.0



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

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STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

WATER TESTING REPORT- July'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/2026-27/04

Surface Water Analysis Results

Date of sample collection: 01.07.2026

Date of Analysis: 01.07.2026 to 10.07.2026

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	-	7.9	7.5	7.3	6.8	7.2	6.9	7.3	6.9	7.3	7.2	7.3	6.9	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	20.8	22.6	24.9	25.8	20.8	23.6	23.0	22.7	21.4	21.7	22.4	25.8	250
5	Total Hardness as CaCO ₃	mg/L	198.2	214.8	195.4	203.6	196.8	188.4	197.2	191.4	184.8	178.4	217.6	181.2	300
6	Suspended Solids	mg/L	71.5	68.9	66.2	70.5	68.2	68.0	68.2	67.6	64.5	68.9	66.8	70.3	-
7	Total Dissolve Solids	mg/L	245.0	267.5	285.7	311.2	276.3	201.6	234.7	234.1	235.6	215.8	241.2	234.2	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	23.6	25.1	22.6	26.5	27.4	25.9	25.1	26.7	25.8	25.9	24.5	26.7	-
11	Conductivity	µS/cm	350.0	382.1	408.1	444.6	394.7	288.0	335.3	334.4	336.6	308.3	344.6	334.6	-
12	Flow	L / Min	4347.5	4563.8	2754.2	3241.6	5314.5	235991.8	99123.6	486518.5	1548.3	1245.6	1975.6	2689.3	-

Shailendra Kumar
Analyzed by

[Signature]
Checked by

[Signature]
Verified by