

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/2026-27/07

Dated: 07/05/2026

To,

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

Subject : Submission of Environmental Monitoring Report for the month of April, 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 & Water (Surface, Ground, STP & ETP) quality monitoring reports of **Star Cement Meghalaya Limited** which includes **Clinker unit**, **Clinker Grinding unit** (formerly known as *Megha Technical & Engineers Pvt Ltd*), **Thermal Power Plant-43 MW** (formerly known as *Meghalaya Power Limited - 43 MW*) & **Thermal Power Plant- 8 MW** (formerly known as *Meghalaya Power Limited - 8 MW*) for the month of **April, 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


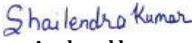








STAR CEMENT MEGHALAYA LIMITED





Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-04-2026	1003.0	84.4	24.2	7.6
02-04-2026	1001.8	90.9	23.9	40.8
03-04-2026	1002.4	85.4	26.8	0.0
04-04-2026	999.1	90.5	23.9	0.5
05-04-2026	1001.1	90.0	23.4	8.6
06-04-2026	998.1	88.2	21.2	0.0
07-04-2026	1004.7	83.3	21.2	4.4
08-04-2026	1001.2	81.7	20.5	0.0
09-04-2026	995.1	82.3	21.3	10.3
10-04-2026	1002.9	83.6	21.1	38.1
11-04-2026	999.4	83.6	19.4	0.0
12-04-2026	1003.5	79.1	24.8	11.9
13-04-2026	1000.2	96.4	20.8	29.5
14-04-2026	1005.4	87.7	23.2	18.6
15-04-2026	1003.5	84.5	25.0	20.5
16-04-2026	1011.8	79.4	25.8	5.3
17-04-2026	989.3	86.6	24.3	0.0
18-04-2026	1000.9	82.7	25.8	0.0
19-04-2026	1003.8	83.3	26.0	13.2
20-04-2026	1009.2	96.3	23.3	117.6
21-04-2026	1004.9	91.4	23.7	95.0
22-04-2026	1008.0	87.2	26.1	102.2
23-04-2026	997.5	87.8	24.2	0.0
24-04-2026	985.3	89.2	24.9	0.0
25-04-2026	996.4	76.1	27.2	0.0
26-04-2026	1002.9	86.2	22.8	6.4
27-04-2026	1000.7	94.4	19.9	34.0
28-04-2026	997.0	90.6	21.8	9.6
29-04-2026	996.2	94.6	20.5	9.8
30-04-2026	986.3	94.5	19.9	3.0
			Total	586.9

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya			Reference No.	SCML/Env/F – 01
				Issue No.	1
				Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT			Revision No.	5
				Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/01				Month :April'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.	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)	
02-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
07-04-2026	31.15	15.05	13.02	11.57	
10-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
13-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
16-04-2026	30.82	13.11	12.98	10.38	
20-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
23-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
28-04-2026	34.54	14.76	12.01	10.03	
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
				Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT			Revision No.	5
				Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/01				Month :April'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.	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)	
02-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
07-04-2026	36.36	14.74	12.98	10.46	
10-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
13-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
16-04-2026	35.26	17.95	11.34	10.21	
20-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
23-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
28-04-2026	33.30	17.77	12.70	10.15	
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	
Reference No.: SCML/ENV/AAQM/MONTHLY/2026-27/01				Date of Rev.		01.12.2020
Location of Sampling: Nearby Guest House				Month :April'26		
GPS Coordinate: 25°10'35.63"N 92°23'14.70"E						
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.	
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)		
03-04-2026	33.74	16.91	12.67	11.01		
09-04-2026	Rainfall	Rainfall	Rainfall	Rainfall		
11-04-2026	34.79	16.14	14.15	9.23		
14-04-2026	Rainfall	Rainfall	Rainfall	Rainfall		
17-04-2026	36.11	16.77	12.12	11.68		
21-04-2026	Rainfall	Rainfall	Rainfall	Rainfall		
25-04-2026	33.87	15.87	13.33	10.00		
29-04-2026	32.96	14.95	13.27	10.87		
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/2026-27/01				Month :April'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.	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)	
02-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
07-04-2026	47.20	25.53	21.24	14.51	
10-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
13-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
16-04-2026	44.76	24.23	20.42	16.28	
20-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
23-04-2026	Rainfall	Rainfall	Rainfall	Rainfall	
28-04-2026	46.05	20.39	20.58	14.09	
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

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/2026-27/01

Month: April'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	07-04-2026	07-04-2026	04-04-2026	03-04-2026	03-04-2026
2 Ambient Temp (°C)	23	23	25	28	28
3 Stack Gas Temp (°C)	42	40	159	70	151
4 Exit Velocity of Gas (m/sec.)	12.56	11.87	16.08	14.99	15.62
5 Flow Rate (Nm ³ / sec.)	17.25	16.11	124.62	27.35	70.52
6 Quantity of Emission (Nm ³ / Hr)	62100	57996	448632	98460	253872
7 Concentration of PM (mg/Nm ³)	12.99	14.13	12.52	15.92	20.05
8 Concentration of SO ₂ (mg/Nm ³)	-	-	384.99	-	-
9 Concentration of NO _x (mg/Nm ³)	-	-	238.45	-	-
10 Oxygen (O ₂) (%)	10.2	9.9	11.3	10.5	11.0

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
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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/2026-27/02

Month: April'26

Analysis Result

A. General Information About Stack						
1	Stack Identification No	S-1	S-2	S-3	S-4	S-5
2	Stack Connected to	LS Crusher	Add Crusher	Kiln/Raw Mill	Coal Mill	Cooler
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4	Shape of duct	Circular	Circular	Circular	Circular	Circular
5	Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes
B. Physical characteristic of stack						
1	Stack Height from ground level (meter)	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
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	The Plant was not in operation between 10/04/2026 to 30/04/2026.				
Standard						
PM - 30 mg/Nm ³		SO ₂ - 1000 mg/Nm ³		NO _x - 600 mg/Nm ³		
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP), Limestone (LS), Additive (Add)						
Shailendra Kumar Analysed by		[Signature] Checked by		[Signature] Verified By		

**STAR CEMENT MEGHALAYA LIMITED**

Lumshnong, Meghalaya

Document No. SCML/EHS/Env/F-04

Date of Issued 01-05-2019

Revision No. 2

Revision Date 01-01-2021

FUGITIVE EMISSION MONITORING REPORT

Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/01

Month - April'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)
07.04.2026	Coal Storage Section	1124	2000
07.04.2026	Limestone Storage Section	1202	5000
07.04.2026	Clinker Loading Section	1239	2000

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STAR CEMENT MEGHALAYA LIMITED
Lumshnong, Meghalaya

NOISE LEVEL MONITORING REPORT

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

Ref: SCML/ENV/NOISE/MONTHLY/2026-27/01

Date: 16.04.2026

Month -April'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	67.4	64.5	75	50.2	54.7	52.5	70
2	Vertical Raw Mill	59.3	66.2	62.7		54.2	59.4	56.8	
3	Raw Mill WF	60.7	66.5	63.6		51.8	60.8	56.3	
4	Coal Mill	58.2	61.9	60.0		55.4	57.4	56.4	
5	Limestone Crusher(Dump Hopper)	57.9	63.4	60.6		57.5	61.1	59.3	
6	Additive Crusher	57.6	64.3	60.9		55.9	59.5	57.7	
7	Cement Mill	60.3	67.0	63.7		54.5	61.4	58.0	
8	Cement Mill WF	58.3	66.5	62.4		53.0	62.0	57.5	
B. Offices									
1	CCR	47.0	55.9	51.5	75	41.3	48.9	45.1	70
2	Meeting Room	50.0	53.6	51.8		42.2	48.2	45.2	
3	VP'S Room	46.8	50.6	48.7		37.3	45.7	41.5	
4	Inst. Shift Room	49.4	64.4	56.9		43.6	50.6	47.1	
5	Electrical Office	47.3	61.0	54.2		44.2	51.2	47.7	
6	QC Department								
	a)Chemical Lab	57.7	62.1	59.9		41.1	48.6	44.9	
	b)Physical Lab	65.5	67.3	66.4		54.9	60.8	57.9	
	c)XRF Lab	51.5	59.4	55.5		43.9	51.8	47.9	
	d) Sample Preparation Room	61.7	66.4	64.1		52.1	57.2	54.7	
C. Residential									
1	450 Quater's	40.8	45.6	43.2	55	36.5	41.8	39.2	45
2	Worker's Colony	41.6	47.1	44.4		37.4	40.4	38.9	

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STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

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

WATER TESTING REPORT- April'26

Reference No.: SCML/ENV/WATER/MONTHLY/2026-27/01

Surface Water Analysis Results

Date of sample collection: 01.04.2026

Date of Analysis: 01.04.2026 to 11.04.2026

S.No.	Parameter	Unit	Umyrnga 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								
1	pH	-	6.8	6.9	7.1	6.9	7.3	7.2	7.3	7.2	7.5	7.6	7.2	7.3	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	19.2	20.5	19.9	22.0	20.7	19.6	20.9	20.5	20.9	22.4	22.8	21.6	250
5	Total Hardness as CaCO ₃	mg/L	174.2	182.9	131.3	148.6	142.1	125.2	140.5	134.8	139.2	132.6	138.4	164.2	300
6	Suspended Solids	mg/L	61.8	64.2	62.8	64.8	62.7	56.8	62.6	68.7	58.9	56.2	64.8	59.1	-
7	Total Dissolve Solids	mg/L	227.5	235.1	228.6	247.2	243.9	211.3	220.8	195.6	204.8	186.2	213.5	199.6	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	23.5	23.7	24.1	23.9	24.5	26.7	25.8	26.2	24.4	23.9	24.7	23.8	-
11	Conductivity	µS/cm	237.5	231.5	234.2	201.5	224.3	202.5	232.9	218.6	199.5	226.2	232.8	211.4	-
12	Flow	L / Min	435.9	711.3	435.2	601.5	401.8	12955.2	5896.2	100568.4	879.6	574.5	986.4	743.1	-

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Report No.: ENV/SCML/ML/26-27/AA-01

Date : 06/05/2026

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 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S)* →	---	60	100	80	80
1.	Vishwakarma Colony	02.04.2026	27.4	60.1	7.2	8.6
2.	WHRS Colony	03.04.2026	23.5	57.2	8.3	8.9
3.	Near Guest House	02.04.2026	21.3	53.9	6.9	7.6
4.	Near TPP Office	03.04.2026	28.6	62.7	12.4	15.7

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.

Report No.: ENV/SCML/ML/26-27/N-01

Date : 06/05/2026

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	03.04.2026	52.6	75	42.6	70
2	Near Worker Colony	03.04.2026	53.5	75	46.1	70
3	Near Raw Mill Hopper	03.04.2026	70.9	75	64.9	70
4	Near Water Reservoir	03.04.2026	64.7	75	60.8	70



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

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Report No.: ENV/SCML/ML/26-27/SE-01

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

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	SCML/SE-260402/01		
02	Date of Sampling	02.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	56		
06	Exit Velocity of Gas (m/sec)	9.5		
07	Flow Rate (Nm ³ /hr)	39642		
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	25	mg/Nm ³	30

NA: Not Applicable



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

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Report No.: ENV/SCML/ML/26-27/SE-02

Order No.: 5300027956

Date : 06/05/2026

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-260402/02		
02	Date of Sampling	02.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler ESP		
05	Flue Gas Temperature (°C)	112		
06	Exit Velocity of Gas (m/sec)	7.7		
07	Flow Rate (Nm ³ /hr)	132133		
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	17	mg/Nm ³	30

NA: Not Applicable



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

Order No.: 5300027956

Date : 06/05/2026

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-260402/03		
02	Date of Sampling	02.03.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Lime Stone Crusher		
05	Flue Gas Temperature (°C)	26		
06	Exit Velocity of Gas (m/sec)	4.4		
07	Flow Rate (Nm ³ /hr)	19376		
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/Nm ³	30

NA: Not Applicable



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

Order No.: 5300027956

Date : 06/05/2026

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-260403/04		
02	Date of Sampling	03.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill / Kiln		
05	Flue Gas Temperature (°C)	146		
06	Exit Velocity of Gas (m/sec)	11.8		
07	Flow Rate (Nm ³ /hr)	213587		
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	17	mg/Nm ³	30



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Report No.: ENV/SCML/ML/25-26/SE-05

Order No.: 5300027956

Date : 16/03/2026

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-260403/05		
02	Date of Sampling	03.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Additive Crusher		
05	Flue Gas Temperature (°C)	24		
06	Exit Velocity of Gas (m/sec)	4.1		
07	Flow Rate (Nm ³ /hr)	11633		
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	12	mg/Nm ³	30

NA: Not Applicable



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Report No.: ENV/SCML/ML/25-26/SE-06

Order No.: 5300027956

Date : 16/03/2026

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-260404/06		
02	Date of Sampling	04.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	59		
06	Exit Velocity of Gas (m/sec)	8.3		
07	Flow Rate (Nm ³ /hr)	30337		
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/Nm ³	30

NA: Not Applicable



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Report No.: ENV/SCML/ML/25-26/SE-07

Date : 16/03/2026

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-260404/07		
02	Date of Sampling	04.04.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant		
05	Flue Gas Temperature (°C)	25		
06	Exit Velocity of Gas (m/sec)	7.8		
07	Flow Rate (Nm ³ /hr)	14116		
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/Nm ³	30

NA: Not Applicable



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Report No.: ENV/SCML/ML/26-27/SW-01

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/SW-260405/01

Sample Source : Lunar (Downstream)

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	8	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.5	--	--
4.	pH Value	6.72	6.5 - 8.5	No Relaxation
5.	Suspended Solids	41	--	--
6.	Total Dissolved Solids, mg/l, Max.	159	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	265	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.8	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	18	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	51	200	600
14.	Calcium (as Ca), mg/l, Max.	17	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	30	100
16.	Iron (as Fe), mg/l, Max.	0.04	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.1	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	3.6	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCML/ML/26-27/SW-02

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

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

Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/SW-260405/02

Sample Source : Lunar (Upstream)

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	13	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.5	--	--
4.	pH Value	6.75	6.5 - 8.5	No Relaxation
5.	Suspended Solids	62	--	--
6.	Total Dissolved Solids, mg/l, Max.	152	500	2000
7.	Conductivity, μ S/cm	259	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	20	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	58	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	2	30	100
16.	Iron (as Fe), mg/l, Max.	0.02	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	1.6	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	4.2	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To : **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/SW-260405/03

Sample Source : Umlong River

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	14	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	--	--
4.	pH Value	6.81	6.5 - 8.5	No Relaxation
5.	Suspended Solids	71	--	--
6.	Total Dissolved Solids, mg/l, Max.	89	500	2000
7.	Conductivity, $\mu\text{S/cm}$	164	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.2	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	15	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	45	200	600
14.	Calcium (as Ca), mg/l, Max.	21	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.02	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

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

Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCML/SW-260405/04

Sample Source : Wahiajer Spring

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	11	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	--	--
4.	pH Value	6.78	6.5 - 8.5	No Relaxation
5.	Suspended Solids	48	--	--
6.	Total Dissolved Solids, mg/l, Max.	136	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	254	--	--
8.	Dissolved Oxygen, mg/l, Min.	6.2	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	16	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	29	200	600
14.	Calcium (as Ca), mg/l, Max.	14	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.028	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	--	--
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	--	--
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-05

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/05

Sample Source : Lubha River (Upstream)

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.71	6.5 - 8.5	No Relaxation
5.	Suspended Solids	63	-	-
6.	Total Dissolved Solids, mg/l, Max.	138	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	241	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.8	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	18	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	32	200	600
14.	Calcium (as Ca), mg/l, Max.	15	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.06	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-06

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/06

Sample Source : Lubha River (Downstream)

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	10	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.74	6.5 - 8.5	No Relaxation
5.	Suspended Solids	63	-	-
6.	Total Dissolved Solids, mg/l, Max.	142	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	245	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.9	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	19	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	34	200	600
14.	Calcium (as Ca), mg/l, Max.	16	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.05	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-07

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/07

Sample Source : Lukha River

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.79	6.5 - 8.5	No Relaxation
5.	Suspended Solids	71	-	-
6.	Total Dissolved Solids, mg/l, Max.	156	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	254	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.8	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	18	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	43	200	600
14.	Calcium (as Ca), mg/l, Max.	17	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.05	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-08

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/08

Sample Source : Umbadoh Spring

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.77	6.5 - 8.5	No Relaxation
5.	Suspended Solids	59	-	-
6.	Total Dissolved Solids, mg/l, Max.	132	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	238	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.6	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	17	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	34	200	600
14.	Calcium (as Ca), mg/l, Max.	16	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.02	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-09

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

Report Issued To: **STAR CEMENT MEGHALAYA LIMITED**
Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/09

Sample Source : Tongseng Spring

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.81	6.5 - 8.5	No Relaxation
5.	Suspended Solids	47	-	-
6.	Total Dissolved Solids, mg/l, Max.	126	500	2000
7.	Conductivity, $\mu\text{S}/\text{cm}$	213	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.9	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	15	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO_3), mg/l, Max.	28	200	600
14.	Calcium (as Ca), mg/l, Max.	14	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.02	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCL/ML/26-27/SW-10

Order No.: 5300027956

Date : 06/05/2026

Date : 17/04/2026

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

Village & P. O.: Lumshnong, Dist.: East Jaintia Hills, Meghalaya - 793210

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCL/SW-260405/10

Sample Source : Lumshnong Spring

Sample Type : Surface Water

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	25.4	-	-
4.	pH Value	6.77	6.5 - 8.5	No Relaxation
5.	Suspended Solids	53	-	-
6.	Total Dissolved Solids, mg/l, Max.	139	500	2000
7.	Conductivity, μ S/cm	235	-	-
8.	Dissolved Oxygen, mg/l, Min.	5.7	-	-
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	-	-
10.	Chemical Oxygen Demand, mg/l, Max.	18	-	-
11.	Oil and Grease, mg/l, Max.	<4.0	-	-
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	32	200	600
14.	Calcium (as Ca), mg/l, Max.	17	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	0.05	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	-	-
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	<0.1	-	-
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	-	-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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

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Report No.: ENV/SCML/ML/26-27/WW-01

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-260405/01 Sample Source : ETP Inlet (SCML) Sample Type : ETP Un-treated Water
Collected On : 05-04-2026 Received On : 08-04-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.56	--	5.5 – 9.0
2.	Temperature	25.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	59	mg/l	30
4.	Chemical Oxygen Demand	426	mg/l	250
5.	Total Suspended Solids	217	mg/l	100
6.	Oil & Grease	8.8	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	36	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	84	mg/l	100
10.	Free Ammonia	0.26	mg/l	5.0



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

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Report No.: ENV/SCML/ML/26-27/WW-02

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-260405/02 Sample Source : ETP Outlet (SCML) Sample Type : ETP Treated Water
Collected On : 05-04-2026 Received On : 08-04-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.74	--	5.5 – 9.0
2.	Temperature	25.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	19	mg/l	30
4.	Chemical Oxygen Demand	58	mg/l	250
5.	Total Suspended Solids	22	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)	5.2	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	25	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-03

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-260405/03 Sample Source : STP Inlet (SCML) Sample Type : STP Un-treated Water
Collected On : 05-04-2026 Received On : 08-04-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.65	--	5.5 – 9.0
2.	Temperature	25.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	52	mg/l	30
4.	Chemical Oxygen Demand	386	mg/l	250
5.	Total Suspended Solids	264	mg/l	100
6.	Oil & Grease	7.2	mg/l	10
7.	Total Residual Chlorine	0.23	mg/l	1.0
8.	Ammonical Nitrogen (as N)	38	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	72	mg/l	100
10.	Free Ammonia	0.31	mg/l	5.0



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

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

Order No.: 5300027956

Date : 06/05/2026

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-260405/04 Sample Source : STP Outlet (SCML) Sample Type : STP Treated Water
Collected On : 05-04-2026 Received On : 08-04-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.21	--	5.5 – 9.0
2.	Temperature	25.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	24	mg/l	30
4.	Chemical Oxygen Demand	127	mg/l	250
5.	Total Suspended Solids	32	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)	12	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	36	mg/l	100
10.	Free Ammonia	0.05	mg/l	5.0



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

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

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-260405/05

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Un-treated)

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	4.26	--	5.5 – 9.0
2.	Temperature	25.2	°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	96	mg/l	250
5.	Total Suspended Solids	154	mg/l	100
6.	Oil & Grease	5.2	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	42	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	81	mg/l	100
10.	Free Ammonia	0.35	mg/l	5.0



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

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

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-260405/06

Sample Source : Coal Neutralization Pit (SCML)

Sample Type : Waste Water (Treated)

Collected On : 05-04-2026

Received On : 08-04-2026

Collected By : ENVIROCON Representative


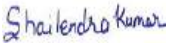


S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.24	--	5.5 – 9.0
2.	Temperature	25.2	°C	Shall not exceed 5°C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27°C)	4	mg/l	30
4.	Chemical Oxygen Demand	86	mg/l	250
5.	Total Suspended Solids	78	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	26	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	64	mg/l	100
10.	Free Ammonia	0.12	mg/l	5.0


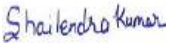








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	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 Lumshnong, Meghalaya		Reference No.	SCML/Env/F-02
			Issue No.	1
	STACK EMISSION MONITORING ANALYSIS REPORT		Date of Issue	01.05.2019
			Revision No.	5
			Date of Rev.	01.06.2021
Report No: SCML/ENV/STACK/MONTHLY/2026-27/01			Month: April'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	10-04-2026		10-04-2026
2	Ambient Temp (°C)	24		24
3	Stack Gas Temp (°C)	42		41
4	Exit Velocity of Gas (m/sec.)	15.96		15.22
5	Flow Rate (Nm ³ / sec.)	12.45		11.98
6	Quantity of Emission (Nm ³ / Hr)	44820		43128
7	Concentration of PM (mg/Nm ³)	13.03		11.75
8	Concentration of SO ₂ (mg/Nm ³)	-		-
9	Concentration of NO _x (mg/Nm ³)	-		-
10	Oxygen (O ₂) (%)	9.2		9.4
E. Remarks				
Standard				
PM - 30 mg/Nm³		SO₂ - 1000 mg/Nm³		NOx - 600 mg/Nm³
<i>Particulate Matter (PM), Sulphur di-oxide (SO₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP), Limestone (LS), Additive (Add)</i>				
 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/2026-27/02		Month: April'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	24-04-2026	24-04-2026
2	Ambient Temp (°C)	27	27
3	Stack Gas Temp (°C)	45	43
4	Exit Velocity of Gas (m/sec.)	16.01	15.82
5	Flow Rate (Nm ³ / sec.)	13.40	12.59
6	Quantity of Emission (Nm ³ / Hr)	48240	45324
7	Concentration of PM (mg/Nm ³)	7.42	11.89
8	Concentration of SO ₂ (mg/Nm ³)	-	-
9	Concentration of NO _x (mg/Nm ³)	-	-
10	Oxygen (O ₂) (%)	9.9	9.8
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
	FUGITIVE EMISSION MONITORING REPORT		Revision No.	2
			Revision Date	01-01-2021
Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/01				
Month - April'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
23.04.2026	Cement Packing Plant	1185	5000	
<div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div style="text-align: center;">  Analyzed By </div> <div style="text-align: center;">  Checked by </div> <div style="text-align: center;">  Verified By </div> </div>				



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

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

STACK EMISSION MONITORING ANALYSIS REPORT

Report No: SCML TPP(8 MW)/ENV/STACK/MONTHLY/2026-27/01

Month: April'26

Analysis Result

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/Nm³

SO₂ - 600 mg/Nm³

NO_x - 300 mg/Nm³

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

Shailendra Kumar
Analysed by

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Checked by

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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
Revision Date	01-01-2021

FUGITIVE EMISSION MONITORING REPORT

Ref: SCML TPP(8 MW)/ENV/FUGITIVE/MONTHLY/2026-27/01

Month - April'26

Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline
			Limit (in $\mu\text{g}/\text{m}^3$)
23.04.2026	Coal Storage Section	1015	2000

Shailendra Kumar
Analyzed By

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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/2026-27/01

Date: 23.04.2026


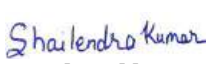


Month -April'26


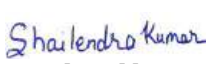


S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)	Measured Values dB(A) Night time (10:00pm to 6:00am)			Norms in dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A	Plant								
1	Turbine House Ground Floor	63.2	71.2	67.2	75	50.3	56.6	53.5	70
2	Turbine House 9 Mt.	62.8	67.3	65.1		53.2	57.2	55.2	
3	RO – MCC	62.5	68.1	65.3		53.9	58.2	56.1	
4	Boiler Ground Floor	63.1	66.9	65.0		53.1	57.6	55.4	
5	CHP – MCC	62.9	66.3	64.6		54.5	58.7	56.6	
6	Office Area	47.5	56.9	52.2		39.9	42.0	41.0	





Shailendra Kumar
Analyzed by





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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/2026-27/01		Month: April'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	01-04-2026	
2	Ambient Temp (°C)	28.0	
3	Stack Gas Temp (°C)	139	
4	Exit Velocity of Gas (m/sec.)	26.9	
5	Flow Rate (Nm ³ / sec.)	67.2	
6	Quantity of Emission (Nm ³ / Hr)	241920	
7	Concentration of PM (mg/Nm ³)	36.10	
8	Concentration of SO ₂ (mg/Nm ³)	460.16	
9	Concentration of NO _x (mg/Nm ³)	257.23	
10	Oxygen (O ₂) (%)	10.9	
E.	Remarks:		
Standard			
PM - 50 mg/Nm³		SO₂ - 600 mg/Nm³	
NO_x - 300 mg/Nm³			
<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/2026-27/02		Month: April'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	16-04-2026	
2	Ambient Temp (°C)	27.0	
3	Stack Gas Temp (°C)	138	
4	Exit Velocity of Gas (m/sec.)	25.1	
5	Flow Rate (Nm ³ / sec.)	66.3	
6	Quantity of Emission (Nm ³ / Hr)	238680	
7	Concentration of PM (mg/Nm ³)	28.80	
8	Concentration of SO ₂ (mg/Nm ³)	441.58	
9	Concentration of NO _x (mg/Nm ³)	234.91	
10	Oxygen (O ₂) (%)	10.5	
E. Remarks:			
Standard			
PM - 50 mg/Nm³		SO₂ - 600 mg/Nm³	
NO_x - 300 mg/Nm³			
<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		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/2026-27/01				
Month - April'26				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
23.04.2026	Coal Storage Section	1240	2000	
<div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;">  Analyzed By </div> <div style="text-align: center;">  Checked By </div> <div style="text-align: center;">  Verified By </div> </div>				

	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (43MW) Lumshnong, Meghalaya				Document No.	SCML/EHS/Env/F-03			
					Date of Issued	01-05-2019			
	NOISE LEVEL MONITORING REPORT				Revision No.	04			
					Revision Date	01-01-2021			
Ref: SCML TPP(43MW)/ENV/NOISE/MONTHLY/2026-27/01					Date: 24.04.2026				
Month -April'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	66.6	69.5	68.1	75	57.2	59.2	58.2	70
2	Turbine House 9 Mt.	63.5	68.1	65.8		54.6	56.9	55.8	
3	RO – MCC	68.2	68.9	68.6		55.1	57.3	56.2	
4	Boiler Ground Floor	67.3	70.2	68.8		57.6	59.3	58.5	
5	CHP – MCC	68.7	69.6	69.2		54.2	56.8	55.5	
6	Office Area	46.2	52.6	49.4		39.6	43.2	41.4	
 Analyzed by		 Checked By			 Verified By				

Report No.: ENV/SCML-TPP/ML/26-27/SE-01

Order No.: 5300027956

Date : 06/05/2026

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-260403/01		
02	Date of Sampling	03.04.2026		
03	Material of Construction	RCC		
04	Stack Attached To	ESP (43 MW)		
05	Flue Gas Temperature (°C)	86		
06	Exit Velocity of Gas (m/sec)	7.9		
07	Flow Rate (Nm ³ /hr)	41723		
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	43	mg/Nm ³	50

NA: Not Applicable



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.
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Report No.: ENV/SCML-TPP/ML/26-27/SE-02

Date : 06/05/2026

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 (Nm ³ /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/Nm ³	50

NA: Not Applicable

Note: Plant was shut down during the monitoring period.



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

NOTE:

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Report No.: ENV/SCML-TPP/ML/26-27/N-01

Date : 06/05/2026

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	03.04.2026	53.6	75	44.7	70
2	Near ADM Office (South)	03.04.2026	54.1	75	47.3	70
3	Near ADM Office	03.04.2026	54.5	75	45.2	70
4	Behind DM Plant	03.04.2026	63.2	75	54.4	70



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

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