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/2026-27/54 **Dated: 27/10/2026**

To,

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

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

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

Thanking You,

Yours truly,
For **STAR CEMENT MEGHALAYA LIMITED**

STAR CEMENT MEGHALAYA LIMITED

Lokesh Kumar Bahety
Unit Head

Enclosed: a/a

Regd. Office & Works : Lumshnong, P.O. Khallehriat, Dist. East Jaintia Hills, Meghalaya-793 210
Ph: 03655-278215/16/18, Fax : 03655-278217, e-mail : lumshnong@starcement.co.in

- Unit Head office - Receive - 29/10/26

STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-09-2026	979.3	94.6	26.5	4.6
02-09-2026	986.5	89.3	25.8	32.4
03-09-2026	995.1	90.7	26.1	33.2
04-09-2026	991.3	94.3	27.8	18.2
05-09-2026	986.8	89.6	26.4	35.8
06-09-2026	997.2	93.8	25.8	40.4
07-09-2026	994.5	94.6	28.3	0.0
08-09-2026	992.2	96.2	30.8	0.0
09-09-2026	986.1	91.2	30.1	8.6
10-09-2026	991.3	92.6	28.9	18.6
11-09-2026	995.7	91.6	30.4	9.2
12-09-2026	988.2	88.4	25.7	23.4
13-09-2026	989.6	79.6	30.2	0.0
14-09-2026	994.2	91.8	29.6	0.0
15-09-2026	992.7	92.4	30.1	0.0
16-09-2026	995.0	95.3	27.3	1.0
17-09-2026	989.1	96.6	28.5	0.0
18-09-2026	999.5	89.3	30.2	0.0
19-09-2026	998.2	92.5	29.1	0.0
20-09-2026	996.2	95.2	29.6	0.0
21-09-2026	985.5	93.5	27.8	0.0
22-09-2026	998.1	91.6	26.6	5.2
23-09-2026	1000.6	88.9	25.8	38.4
24-09-2026	989.3	93.5	29.5	0.0
25-09-2026	995.7	82.9	30.6	0.0
26-09-2026	1001.5	79.3	32.4	8.8
27-09-2026	998.4	77.8	30.2	0.0
28-09-2026	993.3	82.3	29.5	0.0
29-09-2026	1002.1	87.9	27.3	0.0
30-09-2026	999.3	96.6	27.8	0.0
			Total	**277.8**

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/2026-27/06 | **Month : September'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
03-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
07-09-2026	38.61	22.64	16.83	15.66
11-09-2026	39.30	22.32	17.81	15.12
14-09-2026	37.58	21.78	17.01	13.64
19-09-2026	36.28	20.64	16.79	14.47
23-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
26-09-2026	41.73	21.63	15.42	12.38
30-09-2026	42.00	22.29	15.82	12.12
NAAQS permissible limits for Rural, Industrial, Residential Area	**100 (µg/m³)**	**60 (µg/m³)**	**80 (µg/m³)**	**80 (µg/m³)**

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

Shailendra Kumar
Analysed by

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/2026-27/06 | **Month : September'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
03-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
07-09-2026	40.54	22.12	18.39	13.98
11-09-2026	42.45	25.65	17.77	11.69
14-09-2026	40.61	23.53	20.39	13.70
19-09-2026	39.44	25.33	16.75	11.73
23-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
26-09-2026	39.72	25.65	17.42	13.48
30-09-2026	40.48	25.15	18.11	12.62
NAAQS permissible limits for Rural, Industrial, Residential Area	**100 (µg/m³)**	**60 (µg/m³)**	**80 (µg/m³)**	**80 (µg/m³)**

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

Shailendra Kumar
Analysed by

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/2026-27/06 | **Month : September'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
01-09-2026	43.67	24.01	17.74	14.41
05-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
09-09-2026	44.72	25.23	19.22	12.41
12-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
16-09-2026	46.04	24.86	17.19	15.08
21-09-2026	45.67	24.99	15.51	15.94
24-09-2026	43.80	25.96	18.52	12.40
28-09-2026	41.89	23.04	17.62	14.27
NAAQS permissible limits for Rural, Industrial, Residential Area	**100 (µg/m³)**	**60 (µg/m³)**	**80 (µg/m³)**	**80 (µg/m³)**

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

Shailendra Kumar
Analysed by

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/2026-27/06			**Month : September'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/m³)**	**$PM_{2.5}$(µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**
03-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
07-09-2026	48.50	24.81	20.12	19.63
11-09-2026	40.86	20.98	21.33	19.13
14-09-2026	43.72	27.21	21.09	19.82
19-09-2026	46.06	23.51	22.30	20.40
23-09-2026	Rainfall	Rainfall	Rainfall	Rainfall
26-09-2026	48.72	23.07	18.91	16.22
30-09-2026	47.35	25.67	19.46	18.74
NAAQS permissible limits for Rural, Industrial, Residential Area	**100 (µg/m³)**	**60 (µg/m³)**	**80 (µg/m³)**	**80 (µg/m³)**

Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.

Shailendra Kumar
Analysed by

Checked by

Verified By

ENVIROCON
Recognised By
Pollution Control Board, Assam

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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML/ML/26-27/AA-09
Date : 16/09/2026

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/m³)	PM 10 (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
	LIMIT(S)* →	**---**	**60**	**100**	**80**	**80**
1.	Vishwakarma Colony	05.09.2026	15.8	40.4	<5.0	<5.0
2.	WHRS Colony	05.09.2026	16.4	37.2	<5.0	<5.0
3.	Near Guest House	05.09.2026	15.2	37.9	<5.0	<5.0
4.	Near TPP Office	05.09.2026	20.6	44.2	7.4	8.2

Analysis Protocol: IS 5182

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

ENVIROCON DIGBOI, ASSAM Date

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

NOTE:
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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.

STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED 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/2026-27/06 **Month: September'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	15-09-2026	15-09-2026	03-09-2026	04-09-2026	04-09-2026
2	Ambient Temp (°C)	32	32	27	29	29
3	Stack Gas Temp (°C)	45	42	143	67	148
4	Exit Velocity of Gas (m/sec.)	10.35	11.06	15.11	12.98	15.01
5	Flow Rate (Nm^3/ sec.)	11.47	11.98	102.30	19.87	41.62
6	Quantity of Emission (Nm^3/ Hr)	41292	43128	368280	71532	149832
7	Concentration of PM (mg/Nm^3)	15.85	14.21	13.08	15.87	14.54
8	Concentration of SO_2 (mg/Nm^3)	-	-	452.69	-	-
9	Concentration of NOx (mg/Nm^3)	-	-	243.71	-	-
10	Oxygen (O_2) (%)	9.9	8.6	11.1	10.9	10.8
E.	**Remarks**					

Standard		
PM - 30 mg/Nm^3	**SO_2 - 1000 mg/Nm^3**	**NOx - 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

Checked by

Verified By

STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED 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/2026-27/06 **Month: September'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	25-09-2026	25-09-2026	18-09-2026	16-09-2026	16-09-2026
2	Ambient Temp (°C)	31	31	32	28	28
3	Stack Gas Temp (°C)	44	45	145	70	147
4	Exit Velocity of Gas (m/sec.)	11.14	10.57	14.99	12.86	15.21
5	Flow Rate (Nm^3/ sec.)	11.93	11.99	98.24	19.53	42.71
6	Quantity of Emission (Nm^3/ Hr)	42948	43164	353664	70308	153756
7	Concentration of PM (mg/Nm^3)	16.85	15.02	13.23	15.12	13.41
8	Concentration of SO_2 (mg/Nm^3)	-	-	442.76	-	-
9	Concentration of NOx (mg/Nm^3)	-	-	242.12	-	-
10	Oxygen (O_2) (%)	9.5	9.6	10.9	10.7	11.2
E.	**Remarks**					

Standard

PM - 30 mg/Nm^3	**SO_2 - 1000 mg/Nm^3**	**NOx - 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

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PCB, Assam & MSPCB, Meghalaya

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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML/ML/26-27/SE-38
Date : 16/09/2026

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-260905/03		
02	Date of Sampling	05.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Lime Stone Crusher		
05	Flue Gas Temperature (^{0}C)	26		
06	Exit Velocity of Gas (m/sec)	4.2		
07	Flow Rate (Nm^3/hr)	18495		
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



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

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Report No.: ENV/SCML/ML/25-26/SE-40
Date : 16/09/2026

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-260906/01		
02	Date of Sampling	06.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Additive Crusher		
05	Flue Gas Temperature (^{0}C)	25		
06	Exit Velocity of Gas (m/sec)	3.8		
07	Flow Rate (Nm^3/hr)	10746		
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/Nm^3	30

NA: Not Applicable



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

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PCB, Assam & MSPCB, Meghalaya

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Report No.: ENV/SCML/ML/26-27/SE-39
Date : 16/09/2026

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-260905/04		
02	Date of Sampling	05.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill / Kiln		
05	Flue Gas Temperature (^{0}C)	139		
06	Exit Velocity of Gas (m/sec)	11.8		
07	Flow Rate (Nm^3/hr)	217216		
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	22	mg/Nm^3	30

ENVIROCON * DIGBOI, ASSAM * Date:

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

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GREEN FORCE ASSOCIATES PRIVATE LIMITED

Report No- GFAPL/26-27/SCML/007 **Issued Date-16.09.2026**

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	**03.09.2026**	**Date of Receiving**	**08.09.2026**
Date of Analysis	**09.09.2026**	**Date of Complete**	**13.09.2026**
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/Nm3**	1000	**536.0**
2.	**Nitrogen oxide as NOx**	IS-11255(PART-7) 1985	**mg/Nm3**	600	**179.0**

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

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

Note:

- **The results listed refer only to tested samples and applicable parameters Endorsement of products is neither inferred nor implied.**
- **Total liability of our lab is limited to the invoiced amount.**
- **Samples will be destroyed after 10 days from the date of test report unless otherwise specified.**
- **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

Plot No 1363/3892, At- Baibhab Nagar, Lane - 2, Nakhara, Dist - Khorda, Odisha
Mail Id: greenforceassociates@gmail.com

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NABLT0826WB19113

TEST REPORT

QA.15.0.0.3

ULR-NABLT0826WB191132600005929

ISSUED TO
Star Cement Meghalaya Ltd.
Star Cement Compound, P.O.-Khliehriat
East Jaintia Hills
Lumshnong, Meghalaya, India - 793210

REPORT NO : EFRAC/ENV/DXN/261009002
ISSUE DATE : 24/10/2026
CUSTOMER REF : TRF
REF. DATE : 09/10/2026

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date : 03/10/2026
Sample Registration Date : 09/10/2026
Sample Registration No : EFRAC/ENV/DXN/261009002/02/MT/00069
Sample Type : 'RAW Mill & Kiln Stack Emission Sample

Mfg Date : N/A
Batch No :Location:Star Cement Meghalaya Ltd.

Sample Quantity Received : 1 No
Sample Quantity Used : 1 No
Sample Drawn & Submitted by : Client
Start Of Sampling Date & Time : 05/09/2026 ; 10:30 AM
End Of Sampling Date & Time : 05/09/2026 ; 11:40 AM
Sampling Method : N/A
Sampler Name : N/A
Sample Condition : Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Start Date : 10/10/2026
Analysis Type : General
Analysis Completion Date : 14/10/2026

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Metals & Minerals						
1	Vanadium (V)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
2	Cadmium (Cd)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.05	<0.003
3	Mercury (Hg)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.02	<0.003
4	Titanium (Ti)	mg/Nm³	USEPA 29 : 2017	0.003	-	<0.003
5	Antimony (Sb)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
6	Chromium (Cr)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
7	Cobalt (Co)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
8	Copper (Cu)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
9	Tin (Sn)	mg/Nm³	USEPA 29 : 2017	0.003	-	<0.003
10	Arsenic (As)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003
Metal & Minerals						
11	Mercury & its Compounds	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.02	<0.003
12	Lead (Pb)	mg/Nm³	USEPA 29 : 2017	0.003	Max:0.5	<0.003

LOQ: Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT** Not More Than; **NLT**: Not Less Than. **PR** Present; **AB** Absent. **N/A**: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit

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TEST REPORT

QA.15.0.0.3

ISSUED TO
Star Cement Meghalaya Ltd.
Star Cement Compound, P.O.-Khliehriat
East Jaintia Hills
Lumshnong, Meghalaya, India - 793210

REPORT NO : EFRAC/ENV/DXN/261009002
ISSUE DATE : 24/10/2026
CUSTOMER REF : TRF
REF. DATE : 09/10/2026
PAGE NO : Page 2 of 4

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Metals & Minerals						
13	Manganese (Mn)	mg/Nm^3	USEPA 29 : 2017	0.003	Max:0.5	<0.003
14	Nickel (Ni)	mg/Nm^3	USEPA 29 : 2017	0.003	Max:0.5	<0.003

Remarks : The Sample **Conforms** to the requirements of CPCB Guidelines for Emission Monitoring.This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.

Syed Saidul Alam
Authorized Signatory

LOQ: Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT** Not More Than; **NLT**: Not Less Than. **PR** Present; **AB** Absent. **N/A**: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit

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NABLT0826WB19113

TEST REPORT

QA.15.0.0.3

ULR-NABLT0826WB191132600005929

ISSUED TO
Star Cement Meghalaya Ltd.
Star Cement Compound, P.O.-Khliehriat
East Jaintia Hills
Lumshnong, Meghalaya, India - 793210

REPORT NO : EFRAC/ENV/DXN/261009002
ISSUE DATE : 24/10/2026
CUSTOMER REF : TRF
REF. DATE : 09/10/2026

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date : 03/10/2026
Sample Registration Date : 09/10/2026
Sample Registration No : EFRAC/ENV/DXN/261009002/02/RA/00251
Sample Type : 'RAW Mill & Kiln Stack Emission Sample

Mfg Date : N/A
Batch No : Location:Star Cement Meghalaya Ltd.

Sample Quantity Received : 1 No
Sample Quantity Used : 1 No
Sample Drawn & Submitted by : Client
Start Of Sampling Date & Time : 05/09/2026 ; 10:30 AM
End Of Sampling Date & Time : 05/09/2026 ; 11:40 AM
Sampling Method : N/A
Sampler Name : N/A
Sample Condition : Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Start Date : 10/10/2026
Analysis Type : General
Analysis Completion Date : 19/10/2026

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
1	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
2	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
3	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
4	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
5	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.024	-	<0.024
6	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.005	-	<0.005
7	Octachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
8	1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
9	1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
10	1,2,3,4,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
11	1,2,3,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
12	1,2,3,7,8,9-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
13	1,2,3,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00072	-	<0.00072

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NABLT0826WB19113

TEST REPORT

QA.15.0.0.3

ULR-NABLT0826WB191132600005929

ISSUED TO
Star Cement Meghalaya Ltd.
Star Cement Compound, P.O.-Khliehriat
East Jaintia Hills
Lumshnong, Meghalaya, India - 793210

REPORT NO : EFRAC/ENV/DXN/261009002
ISSUE DATE : 24/10/2026
CUSTOMER REF : TRF
REF. DATE : 09/10/2026
PAGE NO : Page 4 of 4

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
14	2,3,4,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
15	2,3,4,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0072	-	<0.0072
16	2,3,7,8-Tetrachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0005	-	<0.0005
17	Octachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
18	Total Dioxins & Furans	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.01	Max:0.1	<0.01

GENERAL INFORMATION ABOUT STACK

Stack Identification No.	: NA	Stack Hight From Ground Level (m)	: 70 m
Shape Of Stack	: Round	Hight Of Sampling Point From Ground Level (m)	: 25 m
Stack Connected To	: Raw Mill & Kiln	Stack Diameter At Sampling Point (m)	: 3.0 m
Emmision Due To	: NA	Material Of Construction Of Stack	: MS
Installed Capacity	: 5300 TPD	Platform & Ladder Type & Condition	: Permanent and OK
Running Capacity	: 5200 TPD	Pollution Control Device	: Bag House
Fuel Used	: Coal	Fuel Consumption	: NA
Remarks	: NA		

Remarks : The sample **Conforms** to the requirements as per CPCB guideline for incinerator stack emission monitoring for the above tested parameter(s) only. The concentrations of dioxins and furans are expressed in terms of Toxicity Equivalents (TEQ). This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.

Arkajyoti Bhattacharjee
Authorized Signatory

END OF THE TEST REPORT

LOQ: Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT** Not More Than; **NLT**: Not Less Than. **PR** Present; **AB** Absent. **N/A**: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit

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Envirocon Building, I.O.C.L (AOD) New Market
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Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML/ML/26-27/SE-36
Date : 16/09/2026

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-260905/01		
02	Date of Sampling	05.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (^{0}C)	52		
06	Exit Velocity of Gas (m/sec)	8.5		
07	Flow Rate (Nm^3/hr)	31737		
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/Nm^3	30

NA: Not Applicable



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

NOTE:
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ISO 9001:2015 Certified
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Report No.: ENV/SCML/ML/26-27/SE-37
Date : 16/09/2026

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-260905/02		
02	Date of Sampling	05.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler ESP		
05	Flue Gas Temperature (^{0}C)	112		
06	Exit Velocity of Gas (m/sec)	8.3		
07	Flow Rate (Nm^3/hr)	142429		
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

ENVIROCON
Date.....
DIGBOI, ASSAM

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

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STAR CEMENT Solid Setting	**STAR CEMENT MEGHALAYA LIMITED** **CEMENT MILL - 1** **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/2026-27/06 **Month: September'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	14-09-2026	14-09-2026
2	Ambient Temp (°C)	31	31
3	Stack Gas Temp (°C)	44	46
4	Exit Velocity of Gas (m/sec.)	10.24	10.95
5	Flow Rate (Nm^3/ sec.)	10.15	10.42
6	Quantity of Emission (Nm^3/ Hr)	36540	37512
7	Concentration of PM (mg/Nm^3)	19.63	16.27
8	Concentration of SO_2 (mg/Nm^3)	-	-
9	Concentration of NO_x (mg/Nm^3)	-	-
10	Oxygen (O_2) (%)	8.8	9.1
E.	**Remarks**		

Standard		
PM - 30 mg/Nm^3	**SO_2 - 1000 mg/Nm^3**	**NOx - 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 **Checked by** **Verified By**

STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED CEMENT MILL - 1 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/2026-27/06 **Month: September'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	26-09-2026	26-09-2026
2	Ambient Temp (°C)	33	33
3	Stack Gas Temp (°C)	45	47
4	Exit Velocity of Gas (m/sec.)	10.76	11.18
5	Flow Rate (Nm^3/ sec.)	11.24	10.96
6	Quantity of Emission (Nm^3/ Hr)	40464	39456
7	Concentration of PM (mg/Nm^3)	22.41	15.67
8	Concentration of SO_2 (mg/Nm^3)	-	-
9	Concentration of NO_x (mg/Nm^3)	-	-
10	Oxygen (O_2) (%)	9.4	9.1
E.	**Remarks**		

Standard		
PM - 30 mg/Nm^3	**SO_2 - 1000 mg/Nm^3**	**NOx - 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 **Checked by** **Verified By**

ENVIROCON
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ISO 9001:2015 Certified
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Report No.: ENV/SCML/ML/25-26/SE-41
Date : 16/09/2026

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-260906/02		
02	Date of Sampling	06.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (^{0}C)	59		
06	Exit Velocity of Gas (m/sec)	8.1		
07	Flow Rate (Nm^3/hr)	29606		
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/Nm^3	30

NA: Not Applicable



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

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Report No.: ENV/SCML/ML/25-26/SE-42
Date : 16/09/2026

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-260906/03		
02	Date of Sampling	06.09.2026		
03	Material of Construction	M. S.		
04	Stack Attached To	Packing Plant		
05	Flue Gas Temperature (^{0}C)	28		
06	Exit Velocity of Gas (m/sec)	7.1		
07	Flow Rate (Nm^3/hr)	1910		
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

ENVIROCON Date DIGBOI, ASSAM

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

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STAR CEMENT Solid Setting	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/2026-27/06

Month - September'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in µg/m^3)	(in µg/m^3)
26.09.2026	**Coal Storage Section**	1135	**2000**
26.09.2026	**Limestone Storage Section**	1074	**5000**
26.09.2026	**Clinker Loading Section**	1328	**2000**

Shailendra Kumar
Analyzed By

Checked By

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

Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/06

Month - September'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in µg/m^3)	(in µg/m^3)
07.09.2026	**Cement Packing Plant**	1295	**5000**

Shailendra Kumar
Analyzed By

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STAR CEMENT Solid Setting	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/2026-27/06 **Date: 26.09.2026**

Month -September'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	67.9	70.0	69.0		52.6	56.9	54.7	
2	Vertical Raw Mill	65.6	68.8	67.2		52.6	57.6	55.1	
3	Raw Mill WF	67.0	69.1	68.1		50.2	59.0	54.6	
4	Coal Mill	64.5	66.5	65.5		53.8	55.6	54.7	
5	Limestone Crusher(Dump Hopper)	64.2	68.0	66.1		55.9	59.3	57.6	
6	Additive Crusher	66.9	68.9	67.9		54.3	57.7	56.0	
7	Cement Mill	64.0	67.6	65.8		52.9	59.6	56.2	
8	Cement Mill WF	64.6	66.1	65.4		51.4	60.2	55.8	
B.	**Offices**								
1	CCR	55.0	58.2	56.6	**75**	39.1	48.9	44.0	**70**
2	Meeting Room	58.0	60.9	59.5		40.0	48.2	44.1	
3	VP'S Room	54.8	57.9	56.4		35.1	45.7	40.4	
4	Inst. Shift Room	57.4	66.7	62.1		41.4	50.6	46.0	
5	Electrical Office	55.3	63.3	59.3		42.0	51.2	46.6	
6	QC Department								
	a)Chemical Lab	62.5	64.4	63.5		35.1	46.0	40.5	
	b)Physical Lab	69.6	70.3	70.0		49.1	58.2	53.6	
	c)XRF Lab	56.3	61.7	59.0		38.1	49.2	43.6	
	d) Sample Preparation Room	66.5	68.7	67.6		46.1	54.6	50.3	
C.	**Residential**								
1	450 Quater's	40.0	46.4	43.2	**55**	35.4	41.0	38.2	**45**
2	Worker's Colony	40.8	47.9	44.3		36.3	42.3	39.3	

Shailendra Kumar
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Envirocon Building, I.O.C.L (AOD) New Market
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ISO 9001:2015 Certified
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Report No.: ENV/SCML/ML/26-27/N-09
Date : 16/09/2026

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	05.09.2026	54.6	75	45.2	70
2	Near Worker Colony	05.09.2026	50.3	75	41.7	70
3	Near Raw Mill Hopper	05.09.2026	71.2	75	62.6	70
4	Near Water Reservoir	05.09.2026	61.3	75	58.5	70



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

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STAR CEMENT Solid Setting	**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/2026-27/06 **Month: September'26**

Analysis Result

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	07-09-2026
2	Ambient Temp (°C)	30
3	Stack Gas Temp (°C)	103
4	Exit Velocity of Gas (m/sec.)	20.4
5	Flow Rate (Nm^3/ sec.)	59.5
6	Quantity of Emission (Nm^3/ Hr)	214200
7	Concentration of PM (mg/Nm^3)	39.56
8	Concentration of SO_2 (mg/Nm^3)	472.12
9	Concentration of NOx (mg/Nm^3)	260.31
10	Oxygen (O_2) (%)	11.0
E.	**Remarks:**	

Standard		
PM - 50 mg/Nm^3	**SO_2 - 600 mg/Nm^3**	**NOx - 300 mg/Nm^3**

Particulate Matter (PM), Sulphur di-oxide (SO_2), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)

Shailendra Kumar
Analysed by

Checked by

Verified By

STAR CEMENT Solid Setting	**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/2026-27/06 **Month: September'26**

Analysis Result

A.	**General Information About Stack**	
1	Stack Identification No	**43 MW**
2	Stack Connected to	Boiler
3	Material of Construction (Stack/Duct)	RCC
4	Shape of duct	Circular
5	Whether duct is provided with permanent platform & ladder	Yes
B.	**Physical characteristic of stack**	
1	Stack Height from ground level (meter)	110.0
2	Duct diameter at sampling point (meter)	2.75
3	Sampling height point from ground level (meter)	45.5
4	Cross sectional area of Duct/Stack (m^2)	5.94
C.	**Pollution Control Device**	
1	Details of pollution control device attached to stack	ESP
D.	**Result of Sampling & Analysis of Gaseous Emission**	
1	Date of Sampling	30-09-2026
2	Ambient Temp (°C)	29
3	Stack Gas Temp (°C)	105
4	Exit Velocity of Gas (m/sec.)	20.9
5	Flow Rate (Nm^3/ sec.)	55.7
6	Quantity of Emission (Nm^3/ Hr)	200520
7	Concentration of PM (mg/Nm^3)	30.80
8	Concentration of SO_2 (mg/Nm^3)	465.63
9	Concentration of NOx (mg/Nm^3)	272.14
10	Oxygen (O_2) (%)	10.9
E.	**Remarks:**	

Standard		
PM - 50 mg/Nm^3	**SO_2 - 600 mg/Nm^3**	**NOx - 300 mg/Nm^3**

Particulate Matter (PM), Sulphur di-oxide (SO_2), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)

Shailendra Kumar
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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML-TPP/ML/26-27/SE-11
Date : 16/09/2026

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-260906/01		
02	Date of Sampling	06.09.2026		
03	Material of Construction	RCC		
04	Stack Attached To	ESP (43 MW)		
05	Flue Gas Temperature (^{0}C)	86		
06	Exit Velocity of Gas (m/sec)	7.2		
07	Flow Rate (Nm^3/hr)	38026		
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	35	mg/Nm^3	50

NA: Not Applicable

ENVIROCON DIGBOI, ASSAM Date

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

NOTE:
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GREEN FORCE ASSOCIATES PRIVATE LIMITED

Report No- GFAPL/26-27/SCML/008 **Issued Date-16.09.2026**

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	**04.09.2026**	**Date of Receiving**	**08.09.2026**
Date of Analysis	**09.09.2026**	**Date of Complete**	**13.09.2026**
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 SO2**	IS-11255(PART-2) 1985, (RA-2019)	**mg/Nm3**	600	**479.9**
2.	**Nitrogen oxide as NOx**	IS-11255(PART-7) 1985	**mg/Nm3**	300	**183.5**

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

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

Note:

- **The results listed refer only to tested samples and applicable parameters Endorsement of products is neither inferred nor implied.**
- **Total liability of our lab is limited to the invoiced amount.**
- **Samples will be destroyed after 10 days from the date of test report unless otherwise specified.**
- **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

Plot No 1363/3892, At- Baibhab Nagar, Lane - 2, Nakhara, Dist - Khorda, Odisha
Mail Id: greenforceassociates@gmail.com

STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED THERMAL POWER PLANT (8MW) 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 TPP(8 MW)/ENV/STACK/MONTHLY/2026-27/06 **Month: September'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 NOx (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**	**NOx - 300 mg/Nm^3**

Particulate Matter (PM), Sulphur di-oxide (SO_2), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)

Shailendra Kumar
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Report No.: ENV/SCML-TPP/ML/26-27/SE-12
Date : 16/09/2026

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 (^{0}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**

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STAR CEMENT Solid Setting	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCML/Env/F – 07 (a)
		Issue No.	1
		Date of Issue:	01.12.2018
	FUGITIVE EMISSION REPORT	Revision No.	2
		Date of Rev.	01.12.2020

Ref: SCML/ENV/FUGITIVE/MONTHLY/2026-27/06

Brishyrnot Limestone Mine - I (MLA 42.051 Ha)

Month - September'26

Date	Location	Fugitive Emission Results (in µg/m^3)	As per CPCB/BIS Guideline Limit (in µg/m^3)
15.09.2026	**Near Drilling Point**	1338	**5000**
15.09.2026	**Near Lime Stone loading area**	1194	**5000**

Shailendra Kumar
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STAR CEMENT Solid Setting	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/2026-27/06

Month - September'26

Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in µg/m^3)	(in µg/m^3)
07.09.2026	**Coal Storage Section**	1048	**2000**

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STAR CEMENT Solid Setting	**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/2026-27/06 **Date: 07.09.2026**

Month -September'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	58.9	60.3	59.6	75	51.2	54.4	52.8	70
2	Turbine House 9 Mt.	62.1	65.5	63.8		49.3	52.1	50.7	
3	RO – MCC	58.5	62.3	60.4		45.3	51.3	48.3	
4	Boiler Ground Floor	61.6	63.2	62.4		49.2	53.2	51.2	
5	CHP – MCC	62.1	64.5	63.3		51.0	52.7	51.9	
6	Office Area	41.2	47.1	44.2		40.1	42.5	41.3	

Shailendra Kumar
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STAR CEMENT Solid Setting	**STAR CEMENT MEGHALAYA LIMITED** **THERMAL POWER PLANT (8MW)** **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 (8MW)/ENV/NOISE/MONTHLY/2026-27/06 **Date:07.09.2026**

Month -September'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	58.9	60.3	59.6	75	51.2	54.4	52.8	70
2	Turbine House 9 Mt.	62.1	65.5	63.8		49.3	52.1	50.7	
3	RO – MCC	58.5	62.3	60.4		45.3	51.3	48.3	
4	Boiler Ground Floor	61.6	63.2	62.4		49.2	53.2	51.2	
5	CHP – MCC	62.1	64.5	63.3		51.0	52.7	51.9	
6	Office Area	41.2	47.1	44.2		40.1	42.5	41.3	

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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML-TPP/ML/26-27/N-06
Date : 16/09/2026

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	06.09.2026	57.3	75	45.1	70
2	Near ADM Office (South)	06.09.2026	52.5	75	44.2	70
3	Near ADM Office	06.09.2026	55.4	75	46.9	70
4	Behind DM Plant	06.09.2026	62.6	75	55.8	70



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

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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- September'26

Reference No.: SCML/ENV/WATER/MONTHLY/2026-27/06

Surface Water Analysis Results

Date of sample collection: 01.09.2026

Date of Analysis: 01.09.2026 to 10.09.2026

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	-	7.5	7.6	7.3	7.2	7.8	6.9	7.5	7.4	7.5	7.4	7.9	6.8	**6.5 - 8.5**
2	Colour	Hazen	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	Yellowish	**10**
3	Odour	-	**Unobjectionable**												
4	Chloride	mg/L	19.5	20.9	23.5	21.6	21.9	24.6	22.2	20.8	20.3	20.9	23.8	24.0	**250**
5	Total Hardness as $CaCO_3$	mg/L	209.3	254.9	223.4	232.6	214.5	221.6	204.1	199.3	194.7	189.6	202.9	195.2	**300**
6	Suspended Solids	mg/L	73.9	80.4	84.2	79.3	86.1	79.1	72.6	73.9	69.2	74.6	85.2	79.1	-
7	Total Dissolve Solids	mg/L	285.3	271.2	250.8	308.2	283.4	201.6	247.2	242.8	220.5	202.4	251.9	218.3	**500**
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.0**
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
10	Temperature	° C	25.3	22.5	21.8	25.7	24.9	25.3	24.5	26.1	24.7	25.1	26.2	25.0	-
11	Conductivity	µS/cm	407.6	387.4	358.3	440.3	404.9	288.0	353.1	346.9	315.0	289.1	359.9	311.9	-
12	Flow	L / Min	4512.6	4684.9	2844.3	3325.6	5488.2	236224.1	99458.2	486851.4	2569.9	1589.3	2051.6	2759.6	-

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ISO 9001:2015 Certified
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Report No.: ENV/SCML/ML/26-27/WW-31
Date : 16/09/2026

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-260905/01 Sample Source : ETP Inlet (SCML) Sample Type : ETP Un-treated Water
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.57	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	56	mg/l	30
4.	Chemical Oxygen Demand	231	mg/l	250
5.	Total Suspended Solids	262	mg/l	100
6.	Oil & Grease	12.6	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	33	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	71	mg/l	100
10.	Free Ammonia	0.17	mg/l	5.0



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

NOTE:
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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/SCML/ML/26-27/WW-32
Date : 16/09/2026

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-260905/02 Sample Source : ETP Outlet (SCML) Sample Type : ETP Treated Water
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	6.76	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	22	mg/l	30
4.	Chemical Oxygen Demand	79	mg/l	250
5.	Total Suspended Solids	28	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)	6.6	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	14	mg/l	100
10.	Free Ammonia	<0.01	mg/l	5.0

ENVIROCON * DIGBOI, ASSAM * Date:

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

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Report No.: ENV/SCML/ML/26-27/WW-33
Date : 16/09/2026

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-260905/03 Sample Source : STP Inlet (SCML) Sample Type : STP Un-treated Water
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	8.06	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	64	mg/l	30
4.	Chemical Oxygen Demand	248	mg/l	250
5.	Total Suspended Solids	271	mg/l	100
6.	Oil & Grease	10.5	mg/l	10
7.	Total Residual Chlorine	<0.01	mg/l	1.0
8.	Ammonical Nitrogen (as N)	46	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	89	mg/l	100
10.	Free Ammonia	0.54	mg/l	5.0



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Report No.: ENV/SCML/ML/26-27/WW-34
Date : 16/09/2026

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-260905/04 Sample Source : STP Outlet (SCML) Sample Type : STP Treated Water
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	7.26	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	26	mg/l	30
4.	Chemical Oxygen Demand	83	mg/l	250
5.	Total Suspended Solids	23	mg/l	100
6.	Oil & Grease	<4.0	mg/l	10
7.	Total Residual Chlorine	0.23	mg/l	1.0
8.	Ammonical Nitrogen (as N)	16	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	34	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-35
Date : 16/09/2026

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-260905/05 Sample Source : Coal Neutralization Pit (SCML) Sample Type : Waste Water (Un-treated)
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	3.96	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	38	mg/l	30
4.	Chemical Oxygen Demand	136	mg/l	250
5.	Total Suspended Solids	212	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)	8.3	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	16	mg/l	100
10.	Free Ammonia	<0.01	mg/l	5.0

ENVIROCON * DIGBOI, ASSAM * Date:

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

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Report No.: ENV/SCML/ML/26-27/WW-36
Date : 16/09/2026

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-260905/06 Sample Source : Coal Neutralization Pit (SCML) Sample Type : Waste Water (Treated)
Collected On : 05-09-2026 Received On : 09-09-2026 Collected By : ENVIROCON Representative

S. No.	Parameters	Results	Units	Limits [G.S.R. 422(E), 19.05.1993]
1.	pH	5.78	--	5.5 – 9.0
2.	Temperature	25.9	^{0}C	Shall not exceed 5^{0}C above the receiving water temperature
3.	Bio-chemical Oxygen Demand (3 days at 27^{0}C)	21	mg/l	30
4.	Chemical Oxygen Demand	87	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)	2.6	mg/l	50
9.	Total Kjeldahl Nitrogen (as NH_3)	7.1	mg/l	100
10.	Free Ammonia	<0.01	mg/l	5.0

ENVIROCON * DIGBOI, ASSAM * Date:

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

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