

# STAR CEMENT MEGHALAYA LIMITED

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Ref: SCML/EHS/LUM/2021-22/14

Dated: 08/07/2021

To,

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

Subject: Monthly Environmental Monitoring Report.

Ref. No.: MPCB/TB-115-2009/2020-2021/08, Dated. Shillong, the 26<sup>th</sup> March, 2021.

Dear Sir,

Please find enclosed herewith the monthly report of Ambient Air Quality monitoring including meteorological, Fugitive Emission, Stack Emission, Noise Level & Water (Drinking, ETP) monitoring reports of **Star Cement Meghalaya Limited** for the month of **June, 2021** for your kind perusal.

This is for your kind information record please.

With Best Regards

For **Star Cement Meghalaya Limited**



Authorized Signatory


Enclosed: As mentioned above

**STARCEMENT**

*Solid Setting*

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CIN : UG2800ML 2005PL 000011

	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Reference No.	SCML/Env/F – 01
		Issue No.	1
		Date of Issue:	24.08.2013
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	4
		Date of Rev.	01.12.2020

Ref: SCML/Env/AAQM/Monthly/2021-22/011

*\*Note\* Monitoring had to be cancelled most of the time due to heavy rains.*

Location of Sampling : SCML, Lumshnong  
Date of Sampling : 16.06.2021 - 17.06.2021  
Distance between the Industry and sampling Location : NA  
Time duration of sampling : 24 hrs.  
Weather : Dry  
Total Rain Fall (mm) : No Rain Fall  
Ambient Temperature (°C)  
Maximum : 27.3 0C  
Minimum : 19.0 0C  
Relative Humidity (%)  
Maximum : 96.0 %  
Minimum : 57.0 %  
Wind Direction : N-S  
Wind Speed (km/hr.) : 10.6

Pollutants	Air Quality Monitoring Analysis Result					National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.					
	1	2	3	4	5	
	(Near Pump House) S/051/21-22	(Near Worker Colony) S/052/21-22	(Near Raw Mill Hopper) S/053/21-22	(Behind MPL DM Plant) S/054/21-22	(Near Water Reservoir) S/055/21-22	
GPS Coordinate	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	25*1045"N 92*23'29"E 923 m	25*1044"N 92*23'50"E 897 m	25*10'45"N 92*23'53"E 893 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	55.1	64.3	61.6	61.3	56.9	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	38.5	39.2	36.8	30.1	31.6	60
Sulphur Dioxide SO2 (µg/m3)	7.5	7.9	7.6	9.9	10.5	80
Nitrogen Dioxide NO2 (µg/m3)	10.3	10.9	13.6	11.5	15.9	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
Analyzed By

  
Checked By

  
Verified By

	<b>STAR CEMENT MEGHALAYA LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	SCML/EHS/F - 02
		Issue No.	01
	<b>STACK ANALYSIS REPORT</b>	Date of Issue:	01.04.2014
		Revision No.	01
		Date of Rev.	01.06.2019

➤ **\*Note\*** Monitoring had to be cancelled most of the time due to heavy rains.

**Name of Sampling Location** : SCML, Lumshnong

**Date of Sampling** : 09/06/2021

**Type of Stack** : Coal Mill

**Stack Sampling Height (8D)** : 26 Meter

**Laboratory Report No. .** : S/13/21-22

**Parameters:**

1) Particulate Matter (PM) : 24.8 mg/Nm<sup>3</sup>

**Remarks:** The parameter tested was found to be within the permissible limits of Stack Emission Standards as per EPA Notification G.S.R. 496(E) dated 9th May, 2016 and G.S.R. 497(E) dated 10th May, 2016.



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	<b>STAR CEMENT MEGHALAYA LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	SCML/EHS/F - 02
		Issue No.	01
	<b>STACK ANALYSIS REPORT</b>	Date of Issue:	01.04.2014
		Revision No.	01
		Date of Rev.	01.06.2019

**Name of Sampling Location** : SCML, Lumshnong

**Date of Sampling** : 16/06/2021

**Type of Stack** : Cooler ESP

**Stack Sampling Height (8D)** : 25 Meter

**Laboratory Report No.** : S/14/21-22

**Parameters:**

1) Particulate Matter (PM) : 33.3 mg/Nm<sup>3</sup>

**Remarks:** The parameter tested was found to be within the permissible limits of Stack Emission Standards as per EPA Notification G.S.R. 496(E) dated 9th May, 2016 and G.S.R. 497(E) dated 10th May, 2016.



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	<b>STAR CEMENT MEGHALAYA LIMITED</b>	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/2021-22/003

Month: JUNE - 2021


Date	Location	Fugitive Emission Results	Limit
		(in $\mu\text{g}/\text{m}^3$ )	(in $\mu\text{g}/\text{m}^3$ )
16.06.2021	Coal Storage Section	1398	2000
16.06.2021	Limestone Storage Section	1661	5000
16.06.2021	Clinker Loading Section	1789	2000



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	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya				Document No.		MPL/EHS/Env/F-03		
					Effective Date		01-05-2019		
					Revision No.		04		
	NOISE LEVEL MONITORING REPORT				Revision Date		01-01-2021		
Ref: SCL(LM)/Env/Noise/Monthly/2021-22/003							Date: 15.06.2021		
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				75				70
1	Kiln	67.3	72.7	70.0		64.7	70.2	67.5	
2	Vertical Raw Mill	69.0	73.3	71.2		65.6	71.6	68.6	
3	Raw Mill WF	66.5	74.9	70.7		61.7	70.8	66.2	
4	Coal Mill	69.3	73.2	71.3		66.6	69.6	68.1	
5	Limestone Crusher (Dum)	70.4	72.0	71.2		61.6	74.9	68.2	
6	Additive Crusher	67.0	69.6	68.3		63.6	71.8	67.7	
B.									
1	CCR	62.1	67.6	64.8		56.4	63.9	60.2	
2	Meeting Room	66.4	68.0	67.2		60.8	64.0	62.4	
3	VP'S Room	51.8	58.0	54.9		53.5	65.1	59.3	
4	Inst. Shift Room	66.4	70.7	68.5		51.1	56.7	53.9	
5	Electrical Office	66.1	69.3	67.7		51.8	58.0	54.9	
6	QC Department	60.5	67.3	63.9		50.2	57.2	53.7	
	a)Chemical Lab	61.0	64.6	62.8		51.0	56.0	53.5	
	b)Physical Lab	63.4	69.8	66.6		50.1	56.1	53.1	
	c)XRF Lab	65.0	74.6	69.8		47.2	49.5	48.4	
	d) Sample Preparation R	68.3	70.7	69.5		51.0	47.2	49.1	
C.	Residential				55				45
1	450 Quater's	50.9	57.7	54.3		42.6	46.1	44.3	
2	Worker's Colony	48.9	57.4	53.2		42.3	45.2	43.7	



Measured By:



Verified By:

	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Reference No.	SCML/EHS/F - 04
		Issue No.	01
		Date of Issue:	01.11.2015
	<b>WATER TESTING REPORT</b>	Revision No.	03
		Date of Rev.	01.06.2019

Report No. – 03				
Date of Sample Collection: 15.06.2021 Analysis Date: 15.06.2021 to 18.06.2021				
S. No.	Parameter	Unit	ETP Outlet	Standard Norms For Discharge of Environment Pollution (Notification Date:- 19th May 1993) & Consent To Operate vide letter no. MPCB/TB-900 (Pt-II)/2014-2015/34 - dated Shillong, the 3rd SEP, 2014.
1	pH	-	7.5	5.5 to 9.0
2	Suspended Solids	mg/lit	23.0	100
3	Total Dissolve Solids	mg/lit	355.4	-
4	Cemical Oxegan Demand	mg/lit	54.2	250
5	Biochemical Oxegan Demand ( For 3 days at 27deg. C)	mg/lit	21.9	30
6	Oil& Grease	mg/lit	<3	10
7	Dissolved Oxygen	mg/lit	6.7	-

  
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