

STAR CEMENT MEGHALAYA LIMITED

Regd. Office & Works : Lunshnong, PO-Khaliehrat, Distt.- East Jaintia Hills, Meghalaya-793210
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Ref: SCML/EHS/LUM/2020-21/017

Dated: 23/03/2021

To,

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

Subject: Monthly Environmental Monitoring Report.

Ref. No.: MPCB/CON-115(2009)/2020-2021/103, Dated. Shillong, the 29th April, 2020.

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 **February, 2021** for your kind perusal.

Thanking you,


Yours faithfully
For **Star Cement Meghalaya Limited**


 Authorized Signatory

Enclosed: Monitoring Report for the month of Feb'21.

STARCEMENT
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Corporate Office : Satyam Tower, 3 Alipore Road, 1st Floor, Unit No. 9B, Kolkata-700027
Ph: +91 33 2448 4169 / 4170 / 4693, Fax: +91 332448 4168, e-mail: kolkata@starcement.co.in
CIN : UG2000MH 200503 000014

	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.	4
			Date of Rev.	01.12.2020

Ref: SCML/Env/AAQM/Monthly/2020-21/058

Location of Sampling : SCML, Lumshnong
Date of Sampling : 02.02.2021 – 03.02.2021
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 : 23.0 °C
Minimum : 9.3 °C
Relative Humidity (%)
Maximum : 95.2 %
Minimum : 50.1 %
Wind Direction : NE - SW
Wind Speed (km/hr.) : 17.2


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/276/20-21	(Near Worker Colony) S/277/20-21	(Near Raw Mill Hopper) S/278/20-21	(Behind MPL DM Plant) S/279/20-21	(Near Water Reservoir) S/280/20-21	
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	51.3	60.7	60.8	55.7	61.2	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	30.8	39.2	38.9	35.1	25.4	60
Sulphur Dioxide SO2 (µg/m3)	7.5	7.1	7.1	8.4	8.4	80
Nitrogen Dioxide NO2 (µg/m3)	9.1	11.5	10.4	12.4	11.7	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.


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

Ref: SCML/Env/AAQM/Monthly/2020-21/059

Location of Sampling : SCML, Lumshnong
Date of Sampling : 04.02.2021 – 05.02.2021
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 (⁰C)
Maximum : 25.5 ⁰C
Minimum : 9.2 ⁰C
Relative Humidity (%)
Maximum : 95.2 %
Minimum : 32.0 %
Wind Direction : NE - SW
Wind Speed (km/hr.) : 7.8


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/281/20-21	(Near Worker Colony) S/282/20-21	(Near Raw Mill Hopper) S/283/20-21	(Behind MPL DM Plant) S/284/20-21	(Near Water Reservoir) S/285/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	50.2	55.3	61.4	50.4	63.4	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	32.5	36.7	34.1	30.9	26.7	60
Sulphur Dioxide SO2 (µg/m3)	8.5	7.5	8.3	6.9	7.3	80
Nitrogen Dioxide NO2 (µg/m3)	10.2	12.7	12.7	9.4	12.9	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.


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

Ref: SCML/Env/AAQM/Monthly/2020-21/060

Location of Sampling : SCML, Lumshnong
Date of Sampling : 10.02.2021 – 11.02.2021
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 : 26.3 °C
Minimum : 9.2 °C
Relative Humidity (%)
Maximum : 90.1 %
Minimum : 36.3 %
Wind Direction : NE - SW
Wind Speed (km/hr.) : 2.8


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/286/20-21	(Near Worker Colony) S/287/20-21	(Near Raw Mill Hopper) S/288/20-21	(Behind MPL DM Plant) S/289/20-21	(Near Water Reservoir) S/290/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	49.6	61.2	56.3	52.7	59.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	29.7	45.8	41.6	33.7	28.3	60
Sulphur Dioxide SO2 (µg/m3)	6.3	9.8	8.7	9.2	6.9	80
Nitrogen Dioxide NO2 (µg/m3)	12.4	11.5	14.2	10.7	12.4	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.


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

Ref: SCML/Env/AAQM/Monthly/2020-21/061

Location of Sampling : SCML, Lumshnong
Date of Sampling : 13.02.2021 – 14.02.2021
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 (⁰C)
Maximum : 24.6 ⁰C
Minimum : 10.1 ⁰C
Relative Humidity (%)
Maximum : 96.2 %
Minimum : 42.0 %
Wind Direction : E-W
Wind Speed (km/hr.) : 16.4


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/291/20-21	(Near Worker Colony) S/292/20-21	(Near Raw Mill Hopper) S/293/20-21	(Behind MPL DM Plant) S/294/20-21	(Near Water Reservoir) S/295/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	53.7	68.3	65.4	56.8	54.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	35.2	39.5	29.4	35.1	30.4	60
Sulphur Dioxide SO2 (µg/m3)	8.2	10.7	9.8	8.4	8.4	80
Nitrogen Dioxide NO2 (µg/m3)	9.5	14.8	11.8	9.8	13.9	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.


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

Ref: SCML/Env/AAQM/Monthly/2020-21/062

Location of Sampling : SCML, Lumshnong
Date of Sampling : 17.02.2021 – 18.02.2021
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 : 26.4 °C
Minimum : 17.2 °C
Relative Humidity (%)
Maximum : 77.0 %
Minimum : 38.4 %
Wind Direction : NW-SE
Wind Speed (km/hr.) : 4.5


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/296/20-21	(Near Worker Colony) S/297/20-21	(Near Raw Mill Hopper) S/298/20-21	(Behind MPL DM Plant) S/299/20-21	(Near Water Reservoir) S/300/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	52.9	59.2	61.9	50.9	63.2	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	31.7	39.1	31.7	36.7	26.8	60
Sulphur Dioxide SO2 (µg/m3)	7.6	9.5	9.5	7.3	9.7	80
Nitrogen Dioxide NO2 (µg/m3)	8.2	11.3	12.1	10.3	14.7	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.


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		Issue No.	1
		Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT	Revision No.	4
		Date of Rev.	01.12.2020

Ref: SCML/Env/AAQM/Monthly/2020-21/063

Location of Sampling : SCML, Lumshnong
Date of Sampling : 19.02.2021 – 20.02.2021
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 : 27.6 °C
Minimum : 12.1 °C
Relative Humidity (%)
Maximum : 86.2 %
Minimum : 33.0 %
Wind Direction : NE - SW
Wind Speed (km/hr.) : 15.2


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/301/20-21	(Near Worker Colony) S/302/20-21	(Near Raw Mill Hopper) S/303/20-21	(Behind MPL DM Plant) S/304/20-21	(Near Water Reservoir) S/305/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	55.4	64.7	62.0	61.7	57.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	38.7	39.4	36.9	30.2	31.7	60
Sulphur Dioxide SO2 (µg/m3)	7.4	7.8	7.5	9.8	10.4	80
Nitrogen Dioxide NO2 (µg/m3)	10.2	10.8	13.5	11.4	15.8	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.


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		Issue No.	1
		Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT	Revision No.	4
		Date of Rev.	01.12.2020

Ref: SCML/Env/AAQM/Monthly/2020-21/064

Location of Sampling : SCML, Lumshnong
Date of Sampling : 23.02.2021 – 24.02.2021
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 : 28.3 °C
Minimum : 12.2 °C
Relative Humidity (%)
Maximum : 91.3 %
Minimum : 33.0 %
Wind Direction : E - W
Wind Speed (km/hr.) : 24.4


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/306/20-21	(Near Worker Colony) S/307/20-21	(Near Raw Mill Hopper) S/308/20-21	(Behind MPL DM Plant) S/309/20-21	(Near Water Reservoir) S/310/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	59.7	60.8	55.3	55.8	64.7	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	36.8	38.4	35.4	29.5	32.8	60
Sulphur Dioxide SO2 (µg/m3)	6.9	10.3	8.1	8.4	11.9	80
Nitrogen Dioxide NO2 (µg/m3)	11.2	11.7	10.8	12.7	13.9	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.


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

Ref: SCML/Env/AAQM/Monthly/2020-21/065

Location of Sampling : SCML, Lumshnong
Date of Sampling : 25.02.2021 – 26.02.2021
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 (⁰C)
Maximum : 25.0 ⁰C
Minimum : 15.0 ⁰C
Relative Humidity (%)
Maximum : 88.0 %
Minimum : 56.1 %
Wind Direction : NE - SW
Wind Speed (km/hr.) : 8.0

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/311/20-21	(Near Worker Colony) S/312/20-21	(Near Raw Mill Hopper) S/313/20-21	(Behind MPL DM Plant) S/314/20-21	(Near Water Reservoir) S/315/20-21	
GPS Coordinate	25°10'42"N 92°23'32"E 919 m	25°10'46"N 92°23'17"E 932 m	25°10'45"N 92°23'29"E 923 m	25°10'44"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	51.7	58.7	57.3	59.7	59.4	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	33.7	32.8	33.4	28.4	36.4	60
Sulphur Dioxide SO2 (µg/m3)	6.8	8.5	10.2	7.3	9.8	80
Nitrogen Dioxide NO2 (µg/m3)	10.7	12.9	13.8	12.5	14.8	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.


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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 01/02/2021

Type of Stack : Lime Stone Crusher

Stack Sampling Height (8D) : 12 Meter

Laboratory Report No. : S/73/20-21

Parameters:

1) Particulate Matter (PM) : 24.6 mg/Nm³

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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		Issue No.	01
	STACK ANALYSIS REPORT	Date of Issue:	01.04.2014
		Revision No.	01
		Date of Rev.	01.06.2019

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 01/02/2021

Type of Stack : RABH

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/74/20-21

Parameters:

1) Particulate Matter (PM) : 26.3 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 01/02/2021

Type of Stack : Coal Mill

Stack Sampling Height (8D) : 26 Meter

Laboratory Report No. : S/75/20-21

Parameters:

1) Particulate Matter (PM) : 21.9 mg/Nm³

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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		Issue No.	01
	STACK ANALYSIS REPORT	Date of Issue:	01.04.2014
		Revision No.	01
		Date of Rev.	01.06.2019

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 06/02/2021

Type of Stack : Additive Crusher

Stack Sampling Height (8D) : 11.5 Meter

Laboratory Report No. : S/76/20-21

Parameters:

1) Particulate Matter (PM) : 24.1 mg/Nm³

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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		Issue No.	01
	STACK ANALYSIS REPORT	Date of Issue:	01.04.2014
		Revision No.	01
		Date of Rev.	01.06.2019

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 06/02/2021

Type of Stack : Cooler ESP

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. : S/77/20-21

Parameters:

1) Particulate Matter (PM) : 13.4 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 11/02/2021

Type of Stack : Additive crusher

Stack Sampling Height (8D) : 11.5 Meter

Laboratory Report No. : S/78/20-21

Parameters:

1) Particulate Matter (PM) : 18.5 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 11/02/2021

Type of Stack : RABH

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/79/20-21

Parameters:

1) Particulate Matter (PM) : 13.0 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 11/02/2021

Type of Stack : Coal Mill

Stack Sampling Height (8D) : 26 Meter

Laboratory Report No. . : S/80/20-21

Parameters:

1) Particulate Matter (PM) : 14.9 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 24/02/2021

Type of Stack : Lime Stone Crusher

Stack Sampling Height (8D) : 12 Meter

Laboratory Report No. . : S/81/20-21

Parameters:

1) Particulate Matter (PM) : 22.5 mg/Nm³

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

Name of Sampling Location : SCML, Lumshnong

Date of Sampling : 24/02/2021

Type of Stack : Cooler ESP

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/82/20-21

Parameters:

1) Particulate Matter (PM) : 21.4 mg/Nm³

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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	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-04
		Date of Issued	01/01/2021
		Revision No.	00
	FUGITIVE EMISSION MONITORING REPORT	Revision Date	00/00/0000

Ref: SCML/Env/ Fugitive/Monthly/2020-21/008

Month: February - 2021





Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	Limit (in $\mu\text{g}/\text{m}^3$)
20.02.2021	Coal Storage Section	1130	2000
20.02.2021	Limestone Storage Section	1680	5000
20.02.2021	Clinker Loading Section	1960	2000




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	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya			Reference No.	SCL/EHS/F - 03				
				Issue No.	1				
	Noise Level Monitoring Reports			Date of Issue:	01.11.2015				
				Revision No.	1				
			Date of Rev.	01.06.2019					
Report No.10				Date- 08.02.2021					
Noise Levels at Different Locations									
S. No.	Location	Measured Values dB(A) Day time (06:00 am to 10:00 pm)			Norms In dB(A)	Measured Values dB(A) Night time (10:00 pm to 06:00 am)			Norms In dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A	Plant				75				70
1	Kiln	63.8	64.5	64.2		60.2	62.3	61.3	
2	Vertical Raw Mill	62.7	67.0	64.8		59.9	61.0	60.5	
3	Raw Mill WF	63.1	68.1	65.6		61.1	63.3	62.2	
4	Coal Mill	62.2	63.9	63.0		59.9	60.4	60.2	
5	Limestone Crusher (Dump Hopper)	67.2	67.2	67.2		61.3	63.7	62.5	
6	Additive Crusher	61.1	63.6	62.3		60.0	64.0	62.0	
B.									
1	CCR	54.7	56.2	55.4		50.8	51.5	51.2	
2	Meeting Room	53.8	52.0	52.9		47.7	50.1	48.9	
3	VP'S Room	45.1	47.9	46.5		42.2	45.0	43.6	
4	Inst. Shift Room	51.5	53.6	52.6		50.9	52.0	51.5	
5	Electrical Office	51.5	55.2	53.4		48.2	50.5	49.4	
6	QC Department								
	a) Chemical Lab	56.0	57.5	56.8		53.6	56.6	55.1	
	b) Physical Lab	55.1	57.3	56.2		52.0	58.0	55.0	
	c) XRF Lab	55.5	58.4	57.0	51.7	57.0	54.3		
	d) Sample Preparation Room	57.9	60.9	59.4	53.9	56.5	55.2		
C.	Residential							45	
1	450 Quater's	45.0	47.4	46.2	41.8	45.2	43.5		
2	Worker's Colony	46.2	48.2	47.2	41.2	46.3	43.8		
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  Measured By </div> <div style="text-align: center;">  Checked By </div> <div style="text-align: center;">  Verified By </div> </div>									

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

Report No. – 10					
Date of Sample Collection: 15.02.2021 Analysis Date: 15.02.2021 to 18.02.2021					
Sl. No	Parameter	Unit	Drinking Water (RO Plant)	Indian Standard Specification for Drinking Water IS : 10500-2012 Acceptable Limit (Max.)	Indian Standard Specification for Drinking Water IS : 10500-2012 Permissible Limit (Max.)
1	pH	Hazen	7.1	6.5 to 8.5	No relaxation
2	Colour	mg/lit	Colourless	5	15
3	Odour	mg/lit	Agreeable	Agreeable	Agreeable
4	Total Hardness as CaCO ₃	mg/lit	59.2	200	600
5	Calcium as Ca	mg/lit	14.7	75	200
6	Magnesium as Mg	mg/lit	5.8	30	100
7	Total Dissolve Solids	mg/lit	139	500	2000
8	Chloride	mg/lit	12.7	250	1000
9	Total Residual Chlorine	mg/lit	BDL	0.2	1
10	Turbidity	NTU	0.06	1	5
11	Iron	mg/lit	BDL	0.3	No Relaxation
12	Dissolved Oxygen	mg/lit	3.1	-	-




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

Report No. – 10				
				Date of Sample Collection: 15.02.2021 Analysis Date: 15.02.2021 to 18.02.2021
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	-	7.4	5.5 to 9.0
2	Suspended Solids	mg/lit	23.2	100
3	Total Dissolve Solids	mg/lit	338.3	-
4	Cemical Oxegan Demand	mg/lit	55.2	250
5	Biochemical Oxegan Demand (For 3 days at 27deg. C)	mg/lit	20.7	30
6	Oil& Grease	mg/lit	<3	10
7	Dissolved Oxygen	mg/lit	5.7	-


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