	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/050

Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 02.01.2021 – 03.01.2021
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	: 24.0 °C
• Minimum	: 10.0 °C
Relative Humidity (%)	
• Maximum	: 95.2 %
• Minimum	: 51.1 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 27.9

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/236/20-21	(Near Worker Colony) S/237/20-21	(Near Raw Mill Hopper) S/238/20-21	(Behind MPL DM Plant) S/239/20-21	(Near Water Reservoir) S/240/20-21	
Suspended Particulate Matter (Size less than 10 μm) or PM10 μg/m³	52.4	59.1	58.8	54.2	59.2	100
Suspended Particulate Matter (Size less than 2.5 μm) or PM2.5 μg/m³	32.2	38.1	37.5	38.1	29.7	60
Sulphur Dioxide SO <sub>2</sub> (μg/m³)	6.8	6.9	6.1	5.9	6.4	80
Nitrogen Dioxide NO <sub>2</sub> (μg/m³)	8.7	10.3	9.2	9.1	9.2	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 18<sup>th</sup> November 2009.



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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/051


Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 04.01.2021 – 05.01.2021
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	: 25.2 °C
• Minimum	: 8.1 °C
Relative Humidity (%)	
• Maximum	: 95.4 %
• Minimum	: 42.2 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 27.9

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/241/20-21	(Near Worker Colony) S/242/20-21	(Near Raw Mill Hopper) S/243/20-21	(Behind MPL DM Plant) S/244/20-21	(Near Water Reservoir) S/245/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	51.1	57.3	55.2	49.2	50.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	31.4	35.5	35.5	33.4	31.6	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	7.3	6.5	6.8	6.2	6.7	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.4	11.4	10.3	9.5	8.8	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 18<sup>th</sup> November 2009.

  
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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/052


Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 11.01.2021 – 12.01.2021
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	: 22.3 °C
• Minimum	: 13.0 °C
Relative Humidity (%)	
• Maximum	: 95.6 %
• Minimum	: 61.5 %
Wind Direction	: E - W
Wind Speed (km/hr.)	: 6.6

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/246/20-21	(Near Worker Colony) S/247/20-21	(Near Raw Mill Hopper) S/248/20-21	(Behind MPL DM Plant) S/249/20-21	(Near Water Reservoir) S/250/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	50.0	62.8	61.8	54.2	59.5	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	28.2	42.9	40.5	32.1	32.8	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	5.8	6.4	7.2	5.7	6.8	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	8.7	10.1	10.4	9.2	8.4	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 18<sup>th</sup> November 2009.

  
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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/053

Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 12.01.2021 – 13.01.2021
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	: 22.1 °C
• Minimum	: 12.0 °C
Relative Humidity (%)	
• Maximum	: 95.6 %
• Minimum	: 61.2 %
Wind Direction	: E - W
Wind Speed (km/hr.)	: 5.7

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/251/20-21	(Near Worker Colony) S/252/20-21	(Near Raw Mill Hopper) S/253/20-21	(Behind MPL DM Plant) S/254/20-21	(Near Water Reservoir) S/255/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	55.2	61.3	59.5	57.2	62.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	36.8	38.8	36.2	34.2	31.6	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	7.6	7.5	7.3	5.6	6.1	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.7	13.2	9.9	9.2	9.8	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 18<sup>th</sup> November 2009.



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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/054

Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 16.01.2021 – 17.01.2021
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	: 20.3 °C
• Minimum	: 9.2 °C
Relative Humidity (%)	
• Maximum	: 95.2 %
• Minimum	: 59.5 %
Wind Direction	: E - W
Wind Speed (km/hr.)	: 4.9

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/256/20-21	(Near Worker Colony) S/257/20-21	(Near Raw Mill Hopper) S/258/20-21	(Behind MPL DM Plant) S/259/20-21	(Near Water Reservoir) S/260/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	51.7	60.4	58.4	56.1	59.9	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	33.1	37.3	37.8	36.5	32.2	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	6.2	6.5	8.6	5.5	6.3	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.6	10.2	10.0	10.2	9.1	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 18<sup>th</sup> November 2009.



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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/055


Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 18.01.2021 – 19.01.2021
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	: 24.4 °C
• Minimum	: 10.1 °C
Relative Humidity (%)	
• Maximum	: 95.2 %
• Minimum	: 43.1 %
Wind Direction	: E – W
Wind Speed (km/hr.)	: 6.5

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/261/20-21	(Near Worker Colony) S/262/20-21	(Near Raw Mill Hopper) S/263/20-21	(Behind MPL DM Plant) S/264/20-21	(Near Water Reservoir) S/265/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	56.8	63.3	59.4	56.7	57.7	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	35.6	38.5	31.5	29.7	38.8	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	6.2	6.3	6.1	6.35	7.3	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.7	9.8	10.2	16.9	9.5	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 18<sup>th</sup> November 2009.

  
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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/056

Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 29.01.2021 – 30.01.2021
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	: 24.5 °C
• Minimum	: 9.2 °C
Relative Humidity (%)	
• Maximum	: 95.5 %
• Minimum	: 36.0 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 9.9

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/266/20-21	(Near Worker Colony) S/267/20-21	(Near Raw Mill Hopper) S/268/20-21	(Behind MPL DM Plant) S/269/20-21	(Near Water Reservoir) S/270/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	55.4	64.5	58.6	53.1	51.4	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	32.2	37.7	36.5	34.3	35.5	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	5.3	9.8	6.8	5.2	6.1	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.9	10.25	9.8	15.2	9.3	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 18<sup>th</sup> November 2009.




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	<b>STAR CEMENT MEGHALAYA LIMITED</b> Lumshnong, Meghalaya	Document No.	SCML/EHS/Env/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	06
		Revision Date	01/01/2021

Ref: SCML/Env/AAQM/Monthly/2020-21/057

Location of Sampling	: SCML, Lumshnong
Date of Sampling	: 30.01.2021 – 31.01.2021
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	: 20.6 °C
• Minimum	: 10.2 °C
Relative Humidity (%)	
• Maximum	: 95.3 %
• Minimum	: 59.2 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 5.4

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/271/20-21	(Near Worker Colony) S/272/20-21	(Near Raw Mill Hopper) S/273/20-21	(Behind MPL DM Plant) S/274/20-21	(Near Water Reservoir) S/275/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	52.9	64.8	54.5	52.1	53.6	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	32.5	38.3	31.3	32.5	32.5	60
Sulphur Dioxide SO <sub>2</sub> (µg/m³)	6.2	6.6	7.2	5.7	6.5	80
Nitrogen Dioxide NO <sub>2</sub> (µg/m³)	9.8	10.5	11.9	14.3	16.1	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 18<sup>th</sup> November 2009.

  
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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 :** 07/01/2021

**Type of Stack :** RABH

**Stack Sampling Height (8D) :** 11.5 Meter

**Laboratory Report No. :** S/65/20-21

**Parameters:**

1) Particulate Matter (PM) : 23.3 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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		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 :** 07/01/2021

**Type of Stack :** Cooler ESP

**Stack Sampling Height (8D) :** 12 Meter

**Laboratory Report No. . :** S/66/20-21

**Parameters:**

1) Particulate Matter (PM) : 27.1 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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		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 :** 08/01/2021

**Type of Stack :** Lime stone crusher

**Stack Sampling Height (8D):** 12 Meter

**Laboratory Report No.** S/67/20-21

**Parameters:**

1) Particulate Matter (PM) : 24.1 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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		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 :** 08/01/2021

**Type of Stack :** Additive crusher

**Stack Sampling Height (8D):** 11.5 Meter

**Laboratory Report No. :** S/68/20-21

**Parameters:**

1) Particulate Matter (PM) : 22.4 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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			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 :** 10/01/2021

**Type of Stack :** Coal Mill

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

**Laboratory Report No. :** S/69/20-21

**Parameters:**

1) Particulate Matter (PM) : 12.8 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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		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 :** 13/01/2021

**Type of Stack :** Lime stone crusher

**Stack Sampling Height (8D) :** 12 Meter

**Laboratory Report No. :** S/70/20-21

**Parameters:**

1) Particulate Matter (PM) : 17.6 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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		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 :** 13/01/2021

**Type of Stack :** Coal Mill

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

**Laboratory Report No. . :** S/71/20-21

**Parameters:**

1) Particulate Matter (PM) : 13.5 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 :** 18/01/2021

**Type of Stack :** RABH

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

**Laboratory Report No. . :** S/72/20-21

**Parameters:**

1) Particulate Matter (PM) : 14.2 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 :** 18/01/2021

**Type of Stack :** Cooler ESP

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

**Laboratory Report No. . :** S/72/20-21

**Parameters:**

1) Particulate Matter (PM) : 21.6 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 :** 18/01/2021

**Type of Stack :** Additive crusher

**Stack Sampling Height (8D) :** 11.5 Meter

**Laboratory Report No. . :** S/72/20-21

**Parameters:**

1) Particulate Matter (PM) : 20.7 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>	Document No.	SCML/EHS/Env/F-04
		Date of Issued	01/01/2021
		Revision No.	00
	<b>FUGITIVE EMISSION MONITORING REPORT</b>	Revision Date	00/00/0000

Ref: SCML/Env/ Fugitive/Monthly/2020-21/007

**Month: January - 2021**





Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$ )	Limit (in $\mu\text{g}/\text{m}^3$ )
15.01.2021	Coal Storage Section	1052	2000
15.01.2021	Limestone Storage Section	1843	5000
15.01.2021	Clinker Loading Section	2106	2000




Analyzed By



Verified By

	<b>STAR CEMENT MEGHALAYA LIMITED</b> 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					
<b>Report No.09</b>				<b>Date- 06.01.2021</b>					
<b>Noise Levels at Different Locations</b>									
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.	
<b>A</b>	<b>Plant</b>				<b>75</b>				<b>70</b>
1	Kiln	65.4	66.2	65.8		64.2	62.5	63.4	
2	Vertical Raw Mill	64.3	68.7	66.5		59.8	68.8	64.3	
3	Raw Mill WF	64.7	69.8	67.3		66.2	65.1	65.7	
4	Coal Mill	63.8	65.5	64.7		59.7	66.3	63.0	
5	Limestone Crusher (Dump Hopper)	68.9	68.9	68.9		63.4	66.2	64.8	
6	Additive Crusher	62.7	65.2	64.0		61.3	64.5	62.9	
<b>B.</b>									
1	CCR	55.8	57.3	56.6		51.8	56.3	54.1	
2	Meeting Room	54.9	53.1	54.0		46.1	53.4	49.8	
3	VP'S Room	46.1	48.9	47.5		43.6	49.1	46.4	
4	Inst. Shift Room	52.6	54.7	53.7		51.7	53.8	52.8	
5	Electrical Office	52.6	56.3	54.5		49.2	54.2	51.7	
6	QC Department	53.4	55.7	54.6		55.1	54.3	54.7	
	a) Chemical Lab	56.8	58.3	57.6		54.8	57.8	56.3	
	b) Physical Lab	55.9	58.1	57.0		53.2	59.3	56.3	
	c) XRF Lab	56.3	59.2	57.8		52.9	58.2	55.6	
	d) Sample Preparation Room	58.7	61.7	60.2		55.1	57.7	56.4	
<b>C.</b>	<b>Residential</b>							<b>45</b>	
1	450 Quater's	45.1	47.5	46.3	42.1	45.5	43.8		
2	Worker's Colony	46.3	48.3	47.3	41.5	46.7	44.1		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div>   Measured By </div> <div>   Checked By </div> <div>   Verified By </div> </div>									

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

Report No. - 09					
Date of Sample Collection: 19.01.2021 Analysis Date: 19.01.2021 to 22.01.2021					
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	6.8	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 <sub>3</sub>	mg/lit	64.4	200	600
5	Calcium as Ca	mg/lit	15.2	75	200
6	Magnesium as Mg	mg/lit	6.4	30	100
7	Total Dissolve Solids	mg/lit	144	500	2000
8	Chloride	mg/lit	11.4	250	1000
9	Total Residual Chlorine	mg/lit	BDL	0.2	1
10	Turbidity	NTU	0.08	1	5
11	Iron	mg/lit	BDL	0.3	No Relaxation
12	Dissolved Oxygen	mg/lit	4.2	-	-




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	<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. – 09				
				Date of Sample Collection: 19.01.2021 Analysis Date: 19.01.2021 to 22.01.2021
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	-	7.3	5.5 to 9.0
2	Suspended Solids	mg/lit	25.9	100
3	Total Dissolve Solids	mg/lit	352.4	-
4	Cemical Oxegan Demand	mg/lit	54.1	250
5	Biochemical Oxegan Demand ( For 3 days at 27deg. C)	mg/lit	19.7	30
6	Oil& Grease	mg/lit	<3	10
7	Dissolved Oxygen	mg/lit	6.2	-

  
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