	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/2020-21/074

Location of Sampling : SCML, Lumshnong
Date of Sampling : 08.03.2021 - 09.03.2021
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 : 23.1 0C
Minimum : 17.0 0C
Relative Humidity (%)
Maximum : 96.5 %
Minimum : 73.3 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 8.1

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/316/20-21	(Near Worker Colony) S/317/20-21	(Near Raw Mill Hopper) S/318/20-21	(Behind MPL DM Plant) S/319/20-21	(Near Water Reservoir) S/320/20-21	
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	51.0	60.3	60.4	55.4	60.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	30.7	39.0	38.7	35.0	25.4	60
Sulphur Dioxide SO2 (µg/m3)	7.6	7.2	7.2	8.5	8.5	80
Nitrogen Dioxide NO2 (µg/m3)	9.2	11.6	10.5	12.5	11.8	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 Limited

VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/075

Location of Sampling : SCML, Lumshnong
Date of Sampling : 09.03.2021 - 10.03.2021
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 (^oC)
Maximum : 25.3 OC
Minimum : 14.0 OC
Relative Humidity (%)
Maximum : 96.6 %
Minimum : 42.1 %
Wind Direction : NE-SW
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/321/20-21	(Near Worker Colony) S/322/20-21	(Near Raw Mill Hopper) S/323/20-21	(Behind MPL DM Plant) S/324/20-21	(Near Water Reservoir) S/325/20-21	
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	49.9	55.0	61.0	50.1	63.0	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	32.4	36.6	34.0	30.8	26.7	60
Sulphur Dioxide SO2 (µg/m3)	8.6	7.6	8.4	7.1	7.4	80
Nitrogen Dioxide NO2 (µg/m3)	10.3	12.8	12.8	9.5	13.0	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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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/076

Location of Sampling : SCML, Lumshnong
Date of Sampling : 12.03.2021 - 13.03.2021
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 ($^{\circ}$ C)
Maximum : 25.3 $^{\circ}$ C
Minimum : 14.0 $^{\circ}$ C
Relative Humidity (%)
Maximum : 96.6 %
Minimum : 42.1 %
Wind Direction : NE-SW
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/326/20-21	(Near Worker Colony) S/327/20-21	(Near Raw Mill Hopper) S/328/20-21	(Behind MPL DM Plant) S/329/20-21	(Near Water Reservoir) S/330/20-21	
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	49.3	60.8	56.0	52.4	59.4	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	29.6	45.6	41.4	33.6	28.2	60
Sulphur Dioxide SO2 (µg/m3)	6.5	9.9	8.8	9.3	7.1	80
Nitrogen Dioxide NO2 (µg/m3)	12.5	11.6	14.3	10.8	12.5	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 18th November 2009.



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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/077

Location of Sampling : SCML, Lumshnong
Date of Sampling : 13.03.2021 - 14.03.2021
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 ($^{\circ}$ C)
Maximum : 24.2 $^{\circ}$ C
Minimum : 13.2 $^{\circ}$ C
Relative Humidity (%)
Maximum : 96.5 %
Minimum : 46.5 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 7.4

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/331/20-21	(Near Worker Colony) S/322/20-21	(Near Raw Mill Hopper) S/333/20-21	(Behind MPL DM Plant) S/334/20-21	(Near Water Reservoir) S/335/20-21	
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	53.4	67.8	65.0	56.5	53.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	35.1	39.3	29.3	35.0	30.3	60
Sulphur Dioxide SO2 (µg/m3)	8.3	10.8	9.9	8.5	8.5	80
Nitrogen Dioxide NO2 (µg/m3)	9.6	14.9	11.9	9.9	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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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/078

Location of Sampling : SCML, Lumshnong
Date of Sampling : 17.03.2021 - 18.03.2021
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 : 29.5 0C
Minimum : 16.1 0C
Relative Humidity (%)
Maximum : 92.1 %
Minimum : 40.0 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 9.1

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/336/20-21	(Near Worker Colony) S/337/20-21	(Near Raw Mill Hopper) S/338/20-21	(Behind MPL DM Plant) S/339/20-21	(Near Water Reservoir) S/340/20-21	
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	52.6	58.8	61.5	50.6	62.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	31.6	38.9	31.6	36.6	26.8	60
Sulphur Dioxide SO2 (µg/m3)	7.7	9.6	9.6	7.4	9.8	80
Nitrogen Dioxide NO2 (µg/m3)	8.3	11.4	12.2	10.4	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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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/079

Location of Sampling : SCML, Lumshnong
Date of Sampling : 19.03.2021 - 20.03.2021
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 (^oC)
Maximum : 25.6 OC
Minimum : 15.2 OC
Relative Humidity (%)
Maximum : 96.1 %
Minimum : 58.1 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 11.5

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/341/20-21	(Near Worker Colony) S/342/20-21	(Near Raw Mill Hopper) S/343/20-21	(Behind MPL DM Plant) S/344/20-21	(Near Water Reservoir) S/345/20-21	
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	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.



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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/080

Location of Sampling : SCML, Lumshnong
Date of Sampling : 27.03.2021 - 28.03.2021
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 : 28.0 0C
Minimum : 14.3 0C
Relative Humidity (%)
Maximum : 90.6 %
Minimum : 41.3 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 14.3

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/346/20-21	(Near Worker Colony) S/347/20-21	(Near Raw Mill Hopper) S/348/20-21	(Behind MPL DM Plant) S/349/20-21	(Near Water Reservoir) S/350/20-21	
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	59.3	60.4	55.0	55.5	64.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	36.7	38.2	35.3	29.4	32.7	60
Sulphur Dioxide SO2 (µg/m3)	7.1	10.4	8.2	8.5	12.0	80
Nitrogen Dioxide NO2 (µg/m3)	11.3	11.8	10.9	12.8	14.0	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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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	STAR CEMENT MEGHALAYA LIMITED Lumshnong, Meghalaya	Reference No.	SCL/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/2020-21/081

Location of Sampling : SCML, Lumshnong
Date of Sampling : 29.03.2021 - 30.03.2021
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 (^oC)
Maximum : 29.6 OC
Minimum : 15.0 OC
Relative Humidity (%)
Maximum : 89.4 %
Minimum : 40.2 %
Wind Direction : NE-SW
Wind Speed (km/hr.) : 11.1

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/351/20-21	(Near Worker Colony) S/352/20-21	(Near Raw Mill Hopper) S/353/20-21	(Behind MPL DM Plant) S/354/20-21	(Near Water Reservoir) S/355/20-21	
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	51.4	58.3	56.9	59.3	59.0	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	33.6	32.7	33.3	28.3	36.3	60
Sulphur Dioxide SO2 (µg/m3)	7.0	8.6	10.3	7.4	9.9	80
Nitrogen Dioxide NO2 (µg/m3)	10.8	13.0	13.9	12.6	14.9	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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VPO – Lumshnong, District – East Jaintia Hill, Meghalaya - 793210

	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 : 08/03/2021

Type of Stack : Lime Stone Crusher

Stack Sampling Height (8D) : 12 Meter

Laboratory Report No. : S/83/20-21

Parameters:

1) Particulate Matter (PM) : 25.8 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 : 08/03/2021

Type of Stack : RABH

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/84/20-21

Parameters:

1) Particulate Matter (PM) : 27.1 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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	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 : 08/03/2021

Type of Stack : Coal Mill

Stack Sampling Height (8D) : 26 Meter

Laboratory Report No. : S/85/20-21

Parameters:

1) Particulate Matter (PM) : 20.4 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 : 08/03/2021

Type of Stack : Cooler ESP

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. : S/86/20-21

Parameters:

1) Particulate Matter (PM) : 22.6 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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	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 : 10/03/2021

Type of Stack : Additive Crusher

Stack Sampling Height (8D) : 11.5 Meter

Laboratory Report No. : S/87/20-21

Parameters:

1) Particulate Matter (PM) : 14.0 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 : 17/03/2021

Type of Stack : Lime Stone Crusher

Stack Sampling Height (8D) : 12 Meter

Laboratory Report No. : S/88/20-21

Parameters:

1) Particulate Matter (PM) : 18.6 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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	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 : 17/03/2021

Type of Stack : RABH

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/89/20-21

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 : 17/03/2021

Type of Stack : Coal Mill

Stack Sampling Height (8D) : 26 Meter

Laboratory Report No. . : S/90/20-21

Parameters:

1) Particulate Matter (PM) : 17.2 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 : 17/03/2021

Type of Stack : Cooler ESP

Stack Sampling Height (8D) : 25 Meter

Laboratory Report No. . : S/91/20-21

Parameters:

1) Particulate Matter (PM) : 19.9 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 : 19/03/2021

Type of Stack : Additive Crusher

Stack Sampling Height (8D) : 11.5 Meter

Laboratory Report No. . : S/92/20-21

Parameters:

1) Particulate Matter (PM) : 16.7 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/2020-21/009

Month: March - 2021





Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	Limit (in $\mu\text{g}/\text{m}^3$)
15.03.2021	Coal Storage Section	1245	2000
15.03.2021	Limestone Storage Section	1450	5000
15.03.2021	Clinker Loading Section	1864	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.11					Date- 03.03.2021				
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	61.1	63.3	62.2		64.3	64.2	64.3	
2	Vertical Raw Mill	59.9	60.4	60.2		68.1	68.3	68.2	
3	Raw Mill WF	61.3	63.7	62.5		62.8	64.9	63.9	
4	Coal Mill	63.1	64.1	63.6		56.9	64.3	60.6	
5	Limestone Crusher (Dump Hopper)	62.4	66.7	64.6		63.7	68.1	65.9	
6	Additive Crusher	63.2	64.3	63.8		62.4	65.8	64.1	
B.									
1	CCR	47.7	50.1	48.9		54.3	57.4	55.9	
2	Meeting Room	42.2	45.0	43.6		48.7	53.1	50.9	
3	VP'S Room	44.1	51.6	47.9		43.1	48.1	45.6	
4	Inst. Shift Room	49.1	56.7	52.9		46.1	53.7	49.9	
5	Electrical Office	52.4	59.2	55.8		49.8	52.9	51.4	
6	QC Department								
	a) Chemical Lab	52.0	58.0	55.0		56.7	58.8	57.8	
	b) Physical Lab	53.9	56.5	55.2		53.8	56.7	55.3	
	c) XRF Lab	54.3	57.3	55.8		52.9	55.3	54.1	
	d) Sample Preparation Room	56.7	65.1	60.9		54.3	54.1	54.2	
C.	Residential							45	
1	450 Quater's	40.9	45.5	43.2	40.1	46.8	43.5		
2	Worker's Colony	41.3	43.8	42.6	43.5	46.3	44.9		
<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. – 11					
Date of Sample Collection: 16.03.2021 Analysis Date: 16.03.2021 to 19.03.2021					
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	7.2	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	58.6	200	600
5	Calcium as Ca	mg/lit	16.7	75	200
6	Magnesium as Mg	mg/lit	4.8	30	100
7	Total Dissolve Solids	mg/lit	145	500	2000
8	Chloride	mg/lit	13.6	250	1000
9	Total Residual Chlorine	mg/lit	BDL	0.2	1
10	Turbidity	NTU	0.04	1	5
11	Iron	mg/lit	BDL	0.3	No Relaxation
12	Dissolved Oxygen	mg/lit	3.4	-	-




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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. – 11				
				Date of Sample Collection: 16.03.2021 Analysis Date: 16.03.2021 to 19.03.2021
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	-	7.6	5.5 to 9.0
2	Suspended Solids	mg/lit	22.4	100
3	Total Dissolve Solids	mg/lit	345.1	-
4	Cemical Oxegan Demand	mg/lit	56.8	250
5	Biochemical Oxegan Demand (For 3 days at 27deg. C)	mg/lit	21.3	30
6	Oil& Grease	mg/lit	<3	10
7	Dissolved Oxygen	mg/lit	6.1	-


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