

STAR CEMENT MEGHALAYA LIMITED

Ref: SCML-MLA/EHS/LUM/2023-24/16

Dated: 13/07/2023

To,

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

Subject : Submission of Environmental Monitoring Report for the month of June, 2023.

Reference : MPCB/ONLINE/CTO(R-I)/2021/2021-2022/12, Dtd: Shillong, the 28th April, 2022.

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, Fugitive Emission, Surface water monitoring reports of **M/s Star Cement Meghalaya Limited** over a **Mining Lease Area of 4.67 Ha** for the month of **June, 2023**.

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

Thanking You,

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



Laxmaiah Munjala
Unit Head

Enclosed: a/a

- Copy To:** 1) The Deputy Director General of Forest (Central), Ministry of Environment Forest & Climate Change, Govt. of India, Regional Office, Shillong, Meghalaya-793021.
- 2) The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.
- 3) The Member Secretary, State Environment Impact Assessment Authority (SEIAA), 'Silviculture Building' Lower Lachumiere, Shillong, Meghalaya –793001



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-06-2023	762.5	60.1	32.7	0
02-06-2023	762.2	57.9	39.6	0
03-06-2023	761	59.7	40.7	0
04-06-2023	761.5	85.0	25.9	0
05-06-2023	760.9	65.7	29.8	0
06-06-2023	762.5	77.8	31.8	0
07-06-2023	762.2	66.9	33.4	0
08-06-2023	762.5	64.7	39.7	0
09-06-2023	761.4	61.8	32.5	15
10-06-2023	763	86.7	22.6	18.4
11-06-2023	762	75.9	38.9	163.4
12-06-2023	764	79.6	29.7	8.2
13-06-2023	760.6	54.7	37.6	8.4
14-06-2023	762.7	53.4	35.4	201
15-06-2023	764.8	76.1	33.7	304.8
16-06-2023	766	85.2	29.4	105.8
17-06-2023	764	59.7	33.6	138.2
18-06-2023	768	68.6	22.9	182.8
19-06-2023	764	64.9	23.8	180
20-06-2023	763.4	80.1	23.4	28.6
21-06-2023	761	82.6	20.7	89.4
22-06-2023	763.8	75.1	26.4	74.4
23-06-2023	760.9	84.6	25.7	60.6
24-06-2023	762.5	55.1	34.6	0
25-06-2023	762.2	55.0	35.0	8
26-06-2023	763	58.4	25.9	45.2
27-06-2023	761	87.6	22.9	12.6
28-06-2023	760	58.2	31.9	92.4
29-06-2023	762.5	52.9	32.4	96.2
30-06-2023	763	55.0	36.4	58.6
			Total	1892.0

	STAR CEMENT MEGHALAYA LIMITED (4.67 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/03			Month: June	
Location of Sampling: Mines Entrance Haul Road		GPS Coordinate: 25°09'55"N 92°24'32"E		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
07.06.2023	48.40	31.13	15.88	17.57
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked By		 Verified By

	STAR CEMENT MEGHALAYA LIMITED (4.67 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/03			Month: June	
Location of Sampling: Excavator Point		GPS Coordinate: 25°10'00.6"N 92°24'34"E		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
07.06.2023	40.10	26.84	13.65	14.61
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked By		 Verified By

	STAR CEMENT MEGHALAYA LIMITED (4.67Ha) 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/2023-24/03				
(4.67 Ha)				
Month - June				
Date	Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	As per CPCB/BIS Guideline	
			Limit (in $\mu\text{g}/\text{m}^3$)	
07.06.2023	Near Shale loading area	1820	5000	
 Analyzed By  Checked By  Verified By				

	STAR CEMENT MEGHALAYA LIMITED (4.67 Ha) 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/2023-24/003					Date:- 07.06.2023
Shale Mine - 4.67 Ha					
Month - June					
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)
		Min.	Max.	Avg.	
1	Rock Breaker (10 mtr. Distance)	68.9	66.8	67.8	75
2	Dozer (10 mtr. Distance)	61.5	64.9	63.2	
3	Dumper (10 mtr. Distance)	66.8	66.0	66.4	
4	Excavator	71.8	64.1	68.0	
5	Dumper				
	A) Empty Dumper				
	a) Open Window	58.3	64.6	61.5	
	b) Close Window	54.8	51.8	53.3	
	B) Loaded Dumper				
	a) Open Window	60.5	63.4	62.0	
	b) Close Window	57.4	58.6	58.0	
 Analyzed by  Checked By  Verified By					

