

STAR CEMENT MEGHALAYA LIMITED

Ref: SCML-MLA/EHS/LUM/2023-24/07

Dated: 23/05/2023

To,

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

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

Reference : MPCB/ONLINE/CTO(R-I)/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 **April, 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)
01-04-2023	762	85.6	19.4	24.4
02-04-2023	760.1	80.3	18.9	16.2
03-04-2023	763.2	79.0	20.1	29.6
04-04-2023	762.5	75.0	20.4	2.8
05-04-2023	762.2	79.8	19.4	112.8
06-04-2023	762	50.6	30.8	0
07-04-2023	761	56.1	32.4	0
08-04-2023	762.9	64.2	35.0	0
09-04-2023	760	54.3	32.5	0
10-04-2023	760	69.2	31.8	0
11-04-2023	762	61.4	30.2	0
12-04-2023	761	54.6	33.5	0
13-04-2023	761	55.5	33.2	0
14-04-2023	760.9	51.2	30.4	0
15-04-2023	762.5	53.9	34.8	0
16-04-2023	762.2	52.6	30.5	0
17-04-2023	763	50.6	32.5	0
18-04-2023	761	68.6	25.0	2.8
19-04-2023	760	65.9	20.0	1.8
20-04-2023	762.5	79.4	18.0	33.8
21-04-2023	762.5	85.6	17.6	51.6
22-04-2023	762.2	72.9	17.2	4.6
23-04-2023	761	83.6	22.0	26
24-04-2023	761.5	50.3	30.0	0
25-04-2023	760.9	54.6	32.4	0
26-04-2023	762.5	53.9	32.0	0
27-04-2023	762.2	84.4	17.2	13.2
28-04-2023	762.5	55.6	30.0	0
29-04-2023	761.4	78.6	18.9	7.2
30-04-2023	763	51.9	24.9	0
			Total	326.8

	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/2023-24/01			Month: April	
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)
24.04.2023	54.70	35.03	15.28	18.30
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
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/01			Date of Rev.	
			01.12.2020	
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)
24.04.2023	46.49	31.51	13.65	14.69
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/2023-24/01				
(4.67 Ha)				
Month - April 2023				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
24.04.2023	Near Shale loading area	1957	5000	
 Analyzed By  Checked By  Verified By				

Reference No.	SCML/EHS/F-04
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	3
Date of Rev.	01.06.2019