

STAR CEMENT LIMITED

Ref: SCL/EHS/LUM/2022-23/47

Dated: 21/03/2023

To,

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

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

Reference : Ref. No.: MPCB/CTE-(R-I)/EJHD/2022-2023/8, Dated. Shillong, the 26th August, 2022.

Dear Sir,

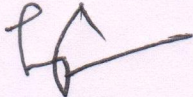
This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality including meteorological data, Fugitive Emission, Noise Level, Surface water monitoring reports of M/s Star Cement Limited Line – II for the month of **February, 2023**.

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

Thanking you,

Yours truly,

For **Star Cement Limited Line - II**



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.



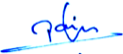
STAR CEMENT LIMITED Line II
Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-02-2023	762.8	38.0	19.0	0
02-02-2023	765.4	38.5	16.0	0
03-02-2023	770.7	38.3	25.0	0
04-02-2023	770.5	39.3	22.0	0
05-02-2023	770	42.3	18.0	0
06-02-2023	769.2	65.0	17.0	0
07-02-2023	768.4	75.0	20.0	0
08-02-2023	767.9	80.4	27.0	0
09-02-2023	770.7	85.0	25.0	0
10-02-2023	770.5	89.4	18.0	0
11-02-2023	770	90.0	22.0	0
12-02-2023	769.2	38.0	23.0	0
13-02-2023	768.4	38.5	17.1	0
14-02-2023	767.9	38.3	15.1	0
15-02-2023	767.7	39.3	23.2	0
16-02-2023	767.9	42.3	23.0	0
17-02-2023	768.2	65.0	17.1	0
18-02-2023	768.5	75.0	15.1	0
19-02-2023	768.9	80.4	23.3	0
20-02-2023	769.2	85.0	23.5	0
21-02-2023	769.7	80.6	18.2	0
22-02-2023	767.7	90.0	10.6	23.6
23-02-2023	767.9	92.0	12.6	20.4
24-02-2023	768.2	39.3	19.2	0
25-02-2023	768.5	42.3	21.1	0
26-02-2023	768.9	39.0	23.3	0
27-02-2023	769.2	38.4	23.5	0
28-02-2023	760.8	35.7	23.0	0
			Total	44

	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2022-23/03			Month: February	
Location of Sampling: Project South Direction		GPS Coordinate: 25°10'26"N 92°23'22"E 931 m		
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)
02.02.2023	45.40	29.92	12.46	15.74
04.02.2023	51.13	30.56	11.21	17.00
07.02.2023	47.43	28.57	13.53	14.70
09.02.2023	46.02	30.75	10.46	14.94
13.02.2023	49.21	29.77	12.59	17.33
15.02.2023	51.34	27.85	11.68	13.00
17.02.2023	51.47	31.76	11.85	14.33
21.02.2023	50.40	25.54	11.08	15.65
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 LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2022-23/03			Month: February	
Location of Sampling: Project North Direction		GPS Coordinate: 25°10'25"N 92°23'20"E 935 m		
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)
02.02.2023	46.96	31.97	10.68	15.24
04.02.2023	52.69	32.61	9.43	16.50
07.02.2023	48.99	30.62	11.75	14.20
09.02.2023	47.58	32.80	8.68	14.44
13.02.2023	50.77	31.82	10.81	16.83
15.02.2023	52.90	29.90	9.90	12.50
17.02.2023	53.03	33.81	10.07	13.83
21.02.2023	51.96	27.59	9.30	15.15
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 LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/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.: SCL/ENV/AAQM/MONTHLY/2022-23/03			Month: February	
Location of Sampling: Approach Road		GPS Coordinate: 25°10'30"N 92°23'21"E 928 m		
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)
02.02.2023	61.06	35.52	9.97	12.95
04.02.2023	55.71	36.40	10.99	13.98
07.02.2023	57.94	37.06	11.45	11.96
09.02.2023	61.93	35.39	10.90	10.89
13.02.2023	59.26	33.22	9.42	10.14
15.02.2023	60.76	35.59	7.74	11.00
17.02.2023	62.51	41.04	9.90	10.98
21.02.2023	58.62	34.26	8.99	8.89
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 LIMITED LINE II Lumshnong, Meghalaya		Document No.	SCL/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCL(II)/ENV/FUGITIVE/MONTHLY/2022-23/03				
Month - February 2023				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
04.02.2023	Coal Storage Section	1270	2000	
04.02.2023	Limestone Storage Section	1539	5000	
 Analyzed By  Checked by  Verified By				

	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya										Reference No.	SCL/EHS/F-04
											Issue No.	1
											Date of Issue:	24.08.2013
											Revision No.	3
	WATER TESTING REPORT										Date of Rev.	01.06.2019
Reference No.: SCL(II)/ENV/WATER/MONTHLY/2022-23/03 Surface Water Analysis Results Month: February Date of sample collection: 01.02.2023 Date of Analysis: 01.02.2023 to 04.02.2023												
S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nalah	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296
			Up Stream	Down Stream	Up Stream	Down Stream	Down Stream	Seasonal Spring / Seasonal Nallah				
1	pH	-	7.7	Water Source not found			7.5	7.8	7.9	Water Source not found		6.5 - 8.5
2	Colour	Hazen	Colourless				Colourless	Colourless	Colourless			10
3	Odour	-	Unobjectionable				Unobjectionable					Unobjectionable
4	Chloride	mg/L	41.0				42.3	24.0	26.7			250
5	Total Hardness as CaCO ₃	mg/L	67.1				81.2	70.0	40.2			300
6	Suspended Solids	mg/L	1.5				4.2	6.1	5.0			-
7	Total Dissolve Solids	mg/L	220				215	162	82.0			500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND				ND	ND	ND			2.0
9	Oil & Grease	mg/L	ND				ND	ND	ND			-
10	Temperature	° C	25.0				25.0	25.0	25.0			-
11	Conductivity	µS/cm	330				323	243	123			-
12	Flow	L / Min	-				-	-	-			-
 Analyzed by  Checked by  Verified by												