

STAR CEMENT LIMITED

Ref: SCL/EHS/LUM/2023-24/09

Dated: 23/05/2023

To,

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

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

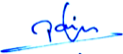
Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-04-2023	762	85.6	19.4	24.4
02-04-2023	760	80.3	18.9	16.2
03-04-2023	763	79.0	20.1	29.6
04-04-2023	763	75.0	20.4	2.8
05-04-2023	762	79.8	19.4	112.8
06-04-2023	762	50.6	30.8	0.0
07-04-2023	761	56.1	32.4	0.0
08-04-2023	763	64.2	35.0	0.0
09-04-2023	760	54.3	32.5	0.0
10-04-2023	760	69.2	31.8	0.0
11-04-2023	762	61.4	30.2	0.0
12-04-2023	761	54.6	33.5	0.0
13-04-2023	761	55.5	33.2	0.0
14-04-2023	761	51.2	30.4	0.0
15-04-2023	763	53.9	34.8	0.0
16-04-2023	762	52.6	30.5	0.0
17-04-2023	763	50.6	32.5	0.0
18-04-2023	761	68.6	25.0	2.8
19-04-2023	760	65.9	20.0	1.8
20-04-2023	763	79.4	18.0	33.8
21-04-2023	763	85.6	17.6	51.6
22-04-2023	762	72.9	17.2	4.6
23-04-2023	761	83.6	22.0	26.0
24-04-2023	762	50.3	30.0	0.0
25-04-2023	761	54.6	32.4	0.0
26-04-2023	763	53.9	32.0	0.0
27-04-2023	762	84.4	17.2	13.2
28-04-2023	763	55.6	30.0	0.0
29-04-2023	761	78.6	18.9	7.2
30-04-2023	763	51.9	24.9	0.0
			Total	326.8

	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/2023-24/01			Month: April	
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)
07.04.2023	45.27	30.67	12.08	15.30
11.04.2023	51.00	31.31	10.83	16.56
13.04.2023	47.30	29.32	13.15	14.26
15.04.2023	45.89	31.50	10.08	14.50
18.04.2023	49.08	30.52	12.21	16.89
24.04.2023	51.21	28.60	11.30	12.56
26.04.2023	51.34	32.51	11.47	13.89
28.04.2023	50.35	26.29	10.70	15.21
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/2023-24/01			Month: April	
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)
07.04.2023	43.00	32.17	11.61	13.70
11.04.2023	48.73	32.81	10.36	14.96
13.04.2023	45.03	30.82	12.68	12.66
15.04.2023	43.62	33.00	9.61	12.90
18.04.2023	46.81	32.02	11.74	15.29
24.04.2023	48.94	30.10	10.83	10.96
26.04.2023	49.07	34.01	11.00	12.29
28.04.2023	48.00	27.79	10.23	13.61
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 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/2023-24/01			Month: April	
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)
07.04.2023	63.95	37.19	12.62	16.24
11.04.2023	58.60	38.07	13.64	17.27
13.04.2023	60.83	38.73	14.10	15.25
15.04.2023	64.82	37.06	13.55	14.18
18.04.2023	62.15	34.89	12.07	13.43
24.04.2023	63.65	37.26	10.39	14.29
26.04.2023	65.40	42.71	12.55	14.27
28.04.2023	61.51	35.93	11.64	12.18
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/2023-24/01			
Month - April 2023			
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline
			Limit
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)
04.04.2023	Coal Storage Section	1247	2000
04.04.2023	Limestone Storage Section	1521	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/2023-24/01						Surface Water Analysis Results						Date of sample collection: 08.04.2023	
												Date of Analysis: 08.04.2023 to 11.04.2023	

S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nalah	Seshympa	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	-	7.5	7.9	7.8	8.0	8.3	7.2	7.3	7.5	7.7	8.6	6.5 - 8.5
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	10
3	Odour	-	Unobjectionable										Unobjectionable
4	Chloride	mg/L	25	32	21.3	27.6	47.9	17.7	39.0	19.5	26.1	27.0	250
5	Total Hardness as CaCO ₃	mg/L	38	62	79.0	82.0	86.0	38.0	24.0	10.0	12.5	47.0	300
6	Suspended Solids	mg/L	1.0	6.8	1.2	15.2	8.0	6.7	4.2	3.2	2.0	9.7	-
7	Total Dissolve Solids	mg/L	240	276	239	298	367	84.6	220	10.4	59.2	125.0	500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
10	Temperature	° C	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-
11	Conductivity	µS/cm	416.0	479.0	434.0	528.0	639	153	430	19.6	119.0	306.0	-
12	Flow	L / Min	2828.9	4204.6	1457.9	1968.7	7589.3	317815.0	-	-	396.19	-	-

 Analyzed by	 Checked by	 Verified by
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