



STAR CEMENT LIMITED Line II

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-10-2023	762.8	81.2	28.7	0.0
02-10-2023	762.8	83.3	30.4	62.8
03-10-2023	761.8	84.8	30.8	9.2
04-10-2023	763.8	70.3	31.8	0.0
05-10-2023	764.8	68.3	28.6	18.6
06-10-2023	762.8	68.3	22.8	34.0
07-10-2023	761.8	75.7	23.8	68.0
08-10-2023	763.8	74.2	25.8	90.8
09-10-2023	763.0	78.9	26.8	21.8
10-10-2023	762.8	77.3	30.8	0.0
11-10-2023	764.3	74.2	30.3	0.0
12-10-2023	763.2	70.6	29.5	2.0
13-10-2023	763.6	90.2	30.2	0.0
14-10-2023	762.2	76.4	29.5	0.0
15-10-2023	762.5	72.2	27.2	0.0
16-10-2023	763.2	79.4	30.9	0.0
17-10-2023	763.8	84.8	30.8	0.0
18-10-2023	764.3	70.3	31.8	0.0
19-10-2023	761.8	68.3	28.6	0.0
20-10-2023	764.0	68.3	22.8	0.0
21-10-2023	761.8	75.7	23.8	0.0
22-10-2023	763.8	74.2	25.8	0.0
23-10-2023	763.0	78.9	26.8	12.6
24-10-2023	762.8	77.3	30.8	4.2
25-10-2023	764.3	74.2	30.3	0.0
26-10-2023	763.2	70.6	29.5	0.0
27-10-2023	763.6	90.2	30.2	0.0
28-10-2023	762.2	76.4	29.5	0.0
29-10-2023	762.5	72.2	27.2	0.0
30-10-2023	763.2	79.4	30.9	0.0
31-10-2023	763.6	72.2	27.2	0.0
			Total	324.0

	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/2023-24/07			Month : October	
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)
03.10.2023	49.03	34.51	14.52	18.50
05.10.2023	54.76	35.15	13.27	19.76
09.10.2023	51.06	33.16	15.59	17.46
11.10.2023	49.65	35.34	12.52	17.70
13.10.2023	52.84	34.36	14.65	20.09
16.10.2023	54.97	32.44	13.74	15.76
18.10.2023	55.10	36.35	13.91	17.09
20.10.2023	54.03	30.13	13.14	18.41
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/2023-24/07			Month : October	
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)
03.10.2023	50.14	33.60	15.91	18.49
05.10.2023	55.87	34.24	13.27	19.75
09.10.2023	52.17	32.25	15.59	17.45
11.10.2023	50.76	34.43	12.52	17.69
13.10.2023	53.95	33.45	13.96	20.08
16.10.2023	56.08	31.53	13.74	15.75
18.10.2023	56.21	35.44	13.91	17.08
20.10.2023	55.14	29.22	13.14	18.40
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/2023-24/07			Month : October	
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)
03.10.2023	67.81	41.08	15.76	19.83
05.10.2023	62.46	41.96	16.78	20.86
09.10.2023	64.69	42.62	17.24	18.84
11.10.2023	68.68	40.95	16.69	17.77
13.10.2023	66.01	38.78	15.21	17.02
16.10.2023	67.51	41.15	13.53	17.88
18.10.2023	69.26	46.60	15.69	17.86
20.10.2023	65.37	39.82	14.78	15.77
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/2023-24/07				
Month - October				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
03.10.2023	Coal Storage Section	1015	2000	
03.10.2023	Limestone Storage Section	984	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/2023-24/07 Surface Water Analysis Results											Date of sample collection: 09.10.2023 Date of Analysis: 09.10.2023 to 12.10.2023		
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	7.8	7.6	8.0	8.1	7.2	7.4	7.5	7.1	7.5	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	22.2	26.9	24.8	25.5	28.2	23.0	30.8	23.6	25.5	23.8	250
5	Total Hardness as CaCO ₃	mg/L	43.2	65.2	73.4	78.8	82.8	45.8	18.0	22.0	26.4	43.0	300
6	Suspended Solids	mg/L	5.0	10.6	8.2	9.0	10.0	1.4	2.0	3.0	1.5	2.0	-
7	Total Dissolve Solids	mg/L	277.2	284.6	234.7	294.0	310.2	103.9	176.1	29.0	38.9	180.9	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	440.0	456.0	280.2	473.5	494.4	165.6	287.7	48.0	61.6	293.3	-
12	Flow	L / Min	9822.5	20092.4	4454.0	9704.6	9598.2	275863.6			296.4		-
 Analyzed by  Checked by  Verified by													