



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-05-2023	762.5	60.1	32.7	0
02-05-2023	762.2	57.9	39.6	0
03-05-2023	761	59.7	40.7	4.6
04-05-2023	761.5	85.0	25.9	48
05-05-2023	760.9	65.7	29.8	0
06-05-2023	762.5	77.8	31.8	2
07-05-2023	762.2	66.9	33.4	0
08-05-2023	762.5	64.7	39.7	0
09-05-2023	761.4	61.8	32.5	0
10-05-2023	763	86.7	22.6	120
11-05-2023	762	75.9	38.9	0
12-05-2023	764	79.6	29.7	10
13-05-2023	760.6	54.7	37.6	0
14-05-2023	762.7	53.4	35.4	0
15-05-2023	764.8	76.1	33.7	12
16-05-2023	766	85.2	29.4	62.4
17-05-2023	764	59.7	33.6	0
18-05-2023	768	68.6	22.9	3
19-05-2023	764	64.9	23.8	10.2
20-05-2023	763.4	80.1	23.4	72.8
21-05-2023	761	82.6	20.7	12.4
22-05-2023	763.8	75.1	26.4	2
23-05-2023	760.9	84.6	25.7	8.2
24-05-2023	762.5	55.1	34.6	0
25-05-2023	762.2	55.0	35.0	0
26-05-2023	763	58.4	25.9	16
27-05-2023	761	87.6	22.9	76.8
28-05-2023	760	58.2	31.9	0
29-05-2023	762.5	52.9	32.4	0
30-05-2023	763	55.0	36.4	0
31-05-2023	763.5	53.9	32.5	0
			Total	460.4

	STAR CEMENT MEGHALAYA LIMITED (MLA 42.051 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/02			Month: May	
Location of Sampling: Mines Entrance Haul Road		GPS Coordinate: 25°10'14.88"N 92°24'52.13"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)
18.05.2023	54.18	35.02	15.03	18.49
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 (MLA 42.051 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/02			Month: May	
Location of Sampling: ROC Drilling Point		GPS Coordinate: 25°10'15.92"N 92°24'55.38"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)
18.05.2023	50.68	33.54	11.92	15.26
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 (MLA 42.051 Ha) Lumshnong, Meghalaya		Reference No.	SCML/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCML/ENV/AAQM/MONTHLY/2023-24/02			Month: May	
Location of Sampling: Excavator Point		GPS Coordinate: 25°10'16.34"N 92°24'54.97"E 745 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)
18.05.2023	47.11	35.31	12.34	16.29
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 (42.051Ha) 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/2023-24/02				
(42.051 Ha)				
Month - May				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)		(in $\mu\text{g}/\text{m}^3$)
18.05.2023	Near Lime Stone loading area	1958	5000	
 Analyzed By  Checked By  Verified By				



STAR CEMENT MEGHALAYA LIMITED

Lumshnong, Meghalaya

(42.051 Ha)

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

Reference No.: SCML/ENV/WATER/MONTHLY/2023-24/02

Surface Water Analysis Results

Date of sample collection: 18.05.2023

Date of Analysis: 18.05.2023 to 18.05.2023

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	-	7.6	7.8	7.5	7.9	8.0	7.8	7.7	7.6	7.7	7.8	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	31.8	22.0	25.6	47.2	17.2	38.7	19.0	19.9	25.9	250
5	Total Hardness as CaCO ₃	mg/L	30.0	56.0	81.0	79.0	84.5	37.2	23.6	10.5	9.0	45.3	300
6	Suspended Solids	mg/L	1.0	5.7	1.0	20.6	7.6	3.8	5.0	3.0	1.0	5.8	-
7	Total Dissolve Solids	mg/L	245	270	235	298	370	94.3	180	9.0	26.0	183.0	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	420.0	473.0	432.0	532.0	651	174	329	15.6	46.5	342.0	-
12	Flow	L / Min	8258.2	11772.0	3081.9	4693.5	11112.9	403634.8	-	-	476.53	-	-

Analyzed by

Checked by

Verified by