



STAR CEMENT MEGHALAYA LIMITED

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 MEGHALAYA LIMITED Brishyrot Limestone Deposit - I (MLA 42.051) 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/2023-24/07			Month : October	
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)
30.10.2023	58.44	36.96	17.46	24.11
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 Brishyrot Limestone Deposit - I (MLA 42.051) 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/2023-24/07			Month : October	
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/m³)	PM _{2.5} (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
30.10.2023	51.95	33.57	16.06	20.14
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m³)	60 (µg/m³)	80 (µg/m³)	80 (µg/m³)
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 Brishyrnot Limestone Deposit - I (MLA 42.051) 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/2023-24/07			Month : October	
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/m³)	PM _{2.5} (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
30.10.2023	47.37	36.45	16.53	21.34
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m³)	60 (µg/m³)	80 (µg/m³)	80 (µg/m³)
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 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/2023-24/07				
Brishyrnot Limestone Deposit - I (MLA 42.051)				
Month - October				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
30.10.2023	Near Lime Stone loading area	1467	5000	
 Analyzed By  Checked By  Verified By				



STAR CEMENT MEGHALAYA LIMITED
Lumshnong, Meghalaya

Brishyrnot Limestone Deposit - I (MLA 42.051)

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/2023-24/07

Surface Water Analysis Results

Date of sample collection: 24.10.2023

Date of Analysis: 24.10.2023 to 27.10.2023

S.No.	Parameter	Unit	Umytngai 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		-

Adin

Analyzed by

Ravi Singh

Checked by

Math

Verified by