

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2023-24/24

Dated: 03/02/2024

To,

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

Subject : Submission of Environmental Monitoring Report for the month of January, 2024.

Reference : MPCB/CON-68(Pt-I)/2006/Pt-I/2022-2023/59, Dtd: Shillong the 29th August, 2022.

Dear Sir,

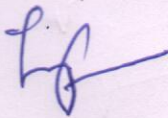
This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission, Surface waste monitoring reports of **Megha Technical & Engineers Pvt. Ltd.** for the month of **January, 2024.**

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

Thanking You,

Yours truly,

For **MEGHA TECHNICAL & ENGINEERS PVT. LIMITED**



Laxmaiah Munjala
Unit Head

Enclosed: a/a



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MEGHA TECHNICAL & ENGINEERS PVT. LTD

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-01-2024	720.1	75.4	19.7	0.0
02-01-2024	717.5	74.2	19.0	0.0
03-01-2024	717.2	75.0	19.9	0.0
04-01-2024	723.4	73.3	19.7	0.0
05-01-2024	720.7	73.1	19.6	0.0
06-01-2024	726.5	74.4	19.0	0.0
07-01-2024	721.1	73.2	20.0	0.0
08-01-2024	723.8	73.0	19.0	0.0
09-01-2024	725.4	73.2	19.5	0.0
10-01-2024	723.1	74.3	19.9	0.0
11-01-2024	721.1	77.5	20.0	0.0
12-01-2024	720.6	76.6	21.7	0.0
13-01-2024	721.0	80.8	19.8	0.0
14-01-2024	723.8	77.9	19.9	0.0
15-01-2024	724.0	78.1	20.8	0.0
16-01-2024	723.4	75.3	20.4	0.0
17-01-2024	721.8	81.6	17.6	0.0
18-01-2024	720.2	80.8	16.2	0.0
19-01-2024	717.8	73.8	17.9	0.0
20-01-2024	723.4	66.8	17.8	0.0
21-01-2024	723.9	69.8	19.3	0.0
22-01-2024	721.6	74.6	19.6	0.0
23-01-2024	723.8	74.1	19.7	0.0
24-01-2024	725.4	72.0	20.9	0.0
25-01-2024	723.8	74.7	19.7	0.0
26-01-2024	718.6	71.4	18.9	0.0
27-01-2024	725.3	74.3	19.4	0.0
28-01-2024	723.1	75.7	19.9	0.0
29-01-2024	721.9	77.8	16.6	0.0
30-01-2024	722.7	76.6	19.0	0.0
31-01-2024	723.1	75.7	19.9	0.0
			Total	0.0

	MEGHA TECHNICAL & ENGINEERS PVT. LTD Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
AMBIENT AIR QUALITY MONITORING REPORT			Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2023-24/10			Month : January	
Location of Sampling: Near Pump House		GPS Coordinate: 25°10'42"N 92°23'32"E 919 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)
02.01.2024	73.49	46.14	15.82	22.61
04.01.2024	68.14	47.02	16.84	23.64
06.01.2024	70.37	47.68	17.30	21.62
09.01.2024	74.36	46.01	16.75	20.55
11.01.2024	71.69	43.84	15.27	18.22
13.01.2024	73.19	46.21	13.59	18.77
16.01.2024	78.74	50.60	18.33	22.75
18.01.2024	74.85	47.89	17.42	20.59
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	

	MEGHA TECHNICAL & ENGINEERS PVT. LTD Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
AMBIENT AIR QUALITY MONITORING REPORT			Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2023-24/10			Month : January	
Location of Sampling: Vishwakarma Colony		GPS Coordinate: 25°10'46"N 92°23'17"E 552 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)
02.01.2024	37.17	26.09	16.58	22.02
04.01.2024	39.34	25.95	15.63	20.59
06.01.2024	35.14	24.63	16.61	21.52
09.01.2024	41.47	24.09	15.81	20.89
11.01.2024	40.17	22.95	15.59	18.72
13.01.2024	38.03	25.79	16.41	20.69
16.01.2024	37.16	24.90	16.10	19.91
18.01.2024	40.17	24.60	14.62	19.52
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	

	MEGHA TECHNICAL & ENGINEERS PVT. LTD Lumshnong, Meghalaya		Reference No.	MTEPL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
			Revision No.	5
AMBIENT AIR QUALITY MONITORING REPORT			Date of Rev.	01.12.2020
Reference No.: MTEPL/ENV/AAQM/MONTHLY/2023-24/10			Month : January	
Location of Sampling: Near Star Club		GPS Coordinate: 25°10'36"N 92°23'16"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)
02.01.2024	41.14	30.31	14.05	20.86
04.01.2024	40.15	29.28	14.11	19.02
06.01.2024	41.15	29.99	12.32	20.77
09.01.2024	41.64	31.30	12.11	19.39
11.01.2024	40.14	30.16	13.29	20.76
13.01.2024	41.08	33.00	12.14	18.24
16.01.2024	43.45	32.11	12.90	19.77
18.01.2024	42.01	30.66	13.45	18.99
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	

	MEGHA TECHNICAL & ENGINEERS PVT. LTD Lumshnong, Meghalaya		Document No.	MTEPL/EHS/Env/F-04
			Date of Issued	01-05-2019
	FUGITIVE EMISSION MONITORING REPORT		Revision No.	2
			Revision Date	01-01-2021
Ref: MTEPL/ENV/FUGITIVE/MONTHLY/2023-24/10				
Month - January				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	
11.01.2024	Cement Packing Plant	1947	(in $\mu\text{g}/\text{m}^3$) 5000	
 Analyzed By  Checked by  Verified By				



Lumshnong, Meghalaya

WATER TESTING REPORT

	Reference No.
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MTEPL/EHS/F-04

Issue No.

1

Date of Issue:

24.08.2013

Revision No.

3

	Date of Rev.
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01.06.2019

Reference No.: MTEPL/ENV/WATER/MONTHLY/2023-24/10

Surface Water Analysis Results

Date of sample collection: 06.01.2024

Date of Analysis: 06.01.2024 to 09.01.2024

S.No.	Parameter	Unit	Umytyngai 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	8.2	7.6	8.0	8.5	7.4	Water source not found			7.8	6.5 - 8.5
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless				Colourless	10
3	Odour	-	Unobjectionable									Unobjectionable	Unobjectionable
4	Chloride	mg/L	25.0	29.7	28.0	27.1	31.5	25.2				24.9	250
5	Total Hardness as CaCO ₃	mg/L	53.2	68.6	76.9	84.8	88.4	50.1				48.1	300
6	Suspended Solids	mg/L	2.0	3.7	2.5	5.0	8.0	1.0				2.5	-
7	Total Dissolve Solids	mg/L	258.0	190.0	268.1	321.0	310.7	140.0				225.0	500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	ND	ND	ND				ND	2.0
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	ND				ND	-
10	Temperature	° C	25.0	25.0	25.0	25.0	25.0	25.0				25.0	-
11	Conductivity	µS/cm	450.0	330.0	435.4	520.7	536.7	222.0				430.7	-
12	Flow	L / Min	1577.6	1836.0	343.4	677.7	1224.0	39372.0				-	-

Water source
not found

Prin

Analyzed by

Ravi Singh

Checked by

Math

Verified by