

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2022-23/23

Dated: 27/02/2023

To,

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

Subject : Submission of Environmental Monitoring Report for the month of Jan, 2023.

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

Dear Sir,

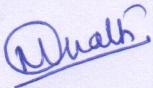
This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission, Surface waste monitoring reports of **M/s Megha Technical & Engineers Pvt. Ltd.** for the month of **January, 2023.**

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

Thanking You,

Yours truly,

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

for 

Laxmaiah Munjala
Unit Head

Enclosed: a/a



MEGHA TECHNICAL & ENGINEERS PVT. LTD
Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-01-2023	769.4	95.2	10.4	0
02-01-2023	769.2	95.3	9.2	0
03-01-2023	768.9	95.2	9.5	0
04-01-2023	768.7	95.0	9.1	0
05-01-2023	768.5	93.3	8.3	0
06-01-2023	768.9	93.4	7.2	0
07-01-2023	769.2	94.2	7.1	0
08-01-2023	769.7	94.0	8.4	0
09-01-2023	770.7	59.1	16.6	0
10-01-2023	770.5	49.2	19.2	0
11-01-2023	770	44.0	21.1	0
12-01-2023	769.2	38.0	23.3	0
13-01-2023	768.4	38.5	23.5	0
14-01-2023	767.9	38.3	23.0	0
15-01-2023	767.7	39.3	23.2	0
16-01-2023	767.9	42.3	23.0	0
17-01-2023	768.2	65.0	17.1	0
18-01-2023	768.5	75.0	15.1	0
19-01-2023	768.9	80.4	13.5	0
20-01-2023	769.2	85.0	12.5	0
21-01-2023	769.7	89.4	12.2	0
22-01-2023	770.7	90.0	12.0	0
23-01-2023	770.5	92.0	12.3	0
24-01-2023	770	38.0	19.2	0
25-01-2023	769.2	38.5	21.1	0
26-01-2023	768.4	38.3	23.3	0
27-01-2023	767.9	39.3	23.5	0
28-01-2023	767.7	42.3	23.0	0
29-01-2023	769.2	93.3	23.2	0
30-01-2023	768.9	93.3	17.1	0
31-01-2023	768.7	93.4	15.5	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/2022-23/10			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)
01.01.2023	65.27	37.11	14.68	21.64
03.01.2023	59.92	37.99	15.70	22.67
05.01.2023	62.15	38.65	16.16	20.65
07.01.2023	66.14	36.98	15.61	19.58
09.01.2023	63.47	34.81	14.13	18.83
11.01.2023	64.97	37.18	12.45	19.69
13.01.2023	66.72	38.56	14.61	19.67
16.01.2023	62.83	35.85	13.70	17.58
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/2022-23/10			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)
01.01.2023	30.39	18.85	7.03	15.59
03.01.2023	37.66	20.71	8.39	13.75
05.01.2023	33.46	16.46	9.81	15.50
07.01.2023	29.96	18.85	8.85	14.12
09.01.2023	36.71	17.71	7.96	15.52
11.01.2023	36.35	20.55	8.11	13.02
13.01.2023	33.49	19.66	9.88	14.52
16.01.2023	31.45	19.36	8.06	13.33
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/2022-23/10			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)
01.01.2023	32.34	19.92	6.63	15.18
03.01.2023	39.61	21.78	7.99	13.34
05.01.2023	35.41	17.53	9.41	15.09
07.01.2023	31.91	19.92	8.45	13.71
09.01.2023	38.66	18.78	7.56	15.11
11.01.2023	38.30	21.62	7.71	12.60
13.01.2023	35.44	20.73	9.48	14.11
16.01.2023	33.40	20.43	7.78	11.88
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
	FUJITIVE EMISSION MONITORING REPORT		Revision No.	2
			Revision Date	01-01-2021
Ref: MTEPL/ENV/FUGITIVE/MONTHLY/2022-23/10				
Month - January 2023				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
12.01.2023	Cement Packing Plant	1967	5000	
 Analyzed By  Checked by  Verified By				

	MEGHA TECHNICAL & ENGINEERS PVT. LTD Lumshnong, Meghalaya								Reference No.	MTEPL/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.: MTEPL/ENV/WATER/MONTHLY/2022-23/10			Surface Water Analysis Results Month: January				Date of sample collection: 02.01.2023 Date of Analysis: 02.01.2023 to 05.01.2023			
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S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nalah	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	-	7.8	Water Source not found			7.7	7.6	7.8	Water Source not found		6.5 - 8.5
2	Colour	Hazen	Colourless				Colourless	Colourless	Colourless		10	
3	Odour	-	Unobjectionable				Unobjectionable				Unobjectionable	
4	Chloride	mg/L	40.0				42.8	23.5	26.0		250	
5	Total Hardness as CaCO ₃	mg/L	66.7				80.5	69.8	39.0		300	
6	Suspended Solids	mg/L	2.0				5.0	7.0	5.7		-	
7	Total Dissolve Solids	mg/L	247				205	160.0	75.0		500	
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND				ND	ND	ND		2.0	
9	Oil & Grease	mg/L	ND				ND	ND	ND		-	
10	Temperature	° C	25.0				25.0	25.0	25.0		-	
11	Conductivity	µS/cm	359				328	256	113		-	
12	Flow	L / Min	-				10.8	-	-		-	

 Analyzed by	 Checked by	 Verified by
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