

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2023-24/25

Dated: 28/03/2024

To,

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

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

Reference : MPCB/CON-68(Pt-I)/2006/Pt-I/2023-2024/62, Dtd: Shillong the 16th June, 2023.

Dear Sir,

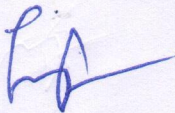
This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission, Surface waste monitoring reports of **Megha Technical & Engineers Pvt. Ltd.** for the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



Corporate Office : Satyam Tower, 3 Alipore Road, 1st Floor, Unit No. 9B, Kolkata-700027
Ph: +91 33 2448 4169 / 4170 / 4693, Fax: +91 332448 4168



MEGHA TECHNICAL & ENGINEERS PVT. LTD

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-02-2024	719.5	71.6	18.8	0.0
02-02-2024	716.9	70.4	18.1	15.3
03-02-2024	716.6	71.2	19.0	8.4
04-02-2024	722.8	69.5	18.8	0.0
05-02-2024	720.1	69.3	18.7	0.0
06-02-2024	725.9	70.6	18.1	0.0
07-02-2024	720.5	69.4	20.0	0.0
08-02-2024	723.2	69.2	19.0	0.0
09-02-2024	724.8	69.4	18.6	0.0
10-02-2024	722.5	70.5	19.0	0.0
11-02-2024	720.5	73.7	19.1	0.0
12-02-2024	720.0	72.8	20.8	0.0
13-02-2024	720.4	77.0	18.9	0.0
14-02-2024	723.2	74.1	19.0	0.0
15-02-2024	723.4	74.3	19.9	0.0
16-02-2024	722.8	71.5	19.5	0.0
17-02-2024	721.2	77.8	16.7	0.0
18-02-2024	719.6	77.0	15.3	0.0
19-02-2024	717.2	70.0	17.0	0.0
20-02-2024	722.8	63.0	16.9	8.2
21-02-2024	723.3	66.0	18.4	12.8
22-02-2024	721.0	70.8	18.7	24.6
23-02-2024	723.2	70.3	18.8	9.8
24-02-2024	724.8	68.2	20.0	0.0
25-02-2024	723.2	70.9	18.8	0.0
26-02-2024	718.0	67.6	18.0	0.0
27-02-2024	724.7	70.5	18.5	0.0
28-02-2024	722.5	71.9	19.0	0.0
29-02-2024	721.3	74.0	15.7	0.0
			Total	79.1

	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/2023-24/11			Month : February	
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)
05.02.2024	76.74	47.46	17.16	24.35
07.02.2024	71.39	48.34	18.18	25.38
09.02.2024	73.62	49.00	18.64	23.36
12.02.2024	77.61	47.33	18.09	22.29
14.02.2024	74.94	45.16	16.61	19.96
16.02.2024	76.44	47.53	14.93	20.51
19.02.2024	81.99	51.92	19.67	24.49
24.02.2024	78.10	49.21	18.76	22.33
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/2023-24/11			Month : February	
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)
05.02.2024	40.42	27.41	17.92	23.76
07.02.2024	42.59	27.27	16.97	22.33
09.02.2024	38.39	25.95	17.95	23.26
12.02.2024	44.72	25.41	17.15	22.63
14.02.2024	43.42	24.27	16.93	20.46
16.02.2024	41.28	27.11	17.75	22.43
19.02.2024	40.41	26.22	17.44	21.65
24.02.2024	43.42	25.92	15.96	21.26
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	

	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/2023-24/11			Month : February	
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)
05.02.2024	44.39	31.63	15.39	22.60
07.02.2024	43.40	30.60	15.45	20.76
09.02.2024	44.40	31.31	13.66	22.51
12.02.2024	44.89	32.62	13.45	21.13
14.02.2024	43.39	31.48	14.63	22.50
16.02.2024	44.33	34.32	13.48	19.98
19.02.2024	46.70	33.43	14.24	21.51
24.02.2024	45.26	31.98	14.79	20.73
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/2023-24/11				
Month - February				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	
13.02.2024	Cement Packing Plant	1962	(in $\mu\text{g}/\text{m}^3$) 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/2023-24/11									Date of sample collection: 07.02.2024						
Surface Water Analysis Results									Date of Analysis: 07.02.2024 to 10.02.2024						
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	-	7.4	8.1	7.2	7.9	8.2	7.1	Water source not found				7.3	6.5 - 8.5	
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless					Colourless	Colourless	10
3	Odour	-	Unobjectionable										Unobjectionable	Unobjectionable	
4	Chloride	mg/L	26.6	30.0	28.9	28.4	32.4	26.1					25.7	250	
5	Total Hardness as CaCO ₃	mg/L	54.9	69.1	78.0	85.3	90.1	51.2					48.6	300	
6	Suspended Solids	mg/L	1.0	2.9	2.0	3.1	2.1	1.0					1.7	-	
7	Total Dissolve Solids	mg/L	167.0	190.0	214.0	278.0	285.0	137.0					211.0	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	267.2	304.0	342.4	444.8	456.0	219.2					337.6	-	
12	Flow	L / Min	1432.4	1695.8	282.2	603.7	971.8	9690.0					-	-	
 Analyzed by  Checked by  Verified by															