

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2022-23/24

Dated: 21/03/2023

To,

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

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

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

Dear Sir,

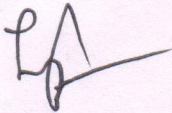
This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission, Surface waste monitoring reports of M/s Megha Technical & Engineers Pvt. Ltd. for the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



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)
01-02-2023	762.8	38.0	19.0	0
02-02-2023	765.4	38.5	16.0	0
03-02-2023	770.7	38.3	25.0	0
04-02-2023	770.5	39.3	22.0	0
05-02-2023	770	42.3	18.0	0
06-02-2023	769.2	65.0	17.0	0
07-02-2023	768.4	75.0	20.0	0
08-02-2023	767.9	80.4	27.0	0
09-02-2023	770.7	85.0	25.0	0
10-02-2023	770.5	89.4	18.0	0
11-02-2023	770	90.0	22.0	0
12-02-2023	769.2	38.0	23.0	0
13-02-2023	768.4	38.5	17.1	0
14-02-2023	767.9	38.3	15.1	0
15-02-2023	767.7	39.3	23.2	0
16-02-2023	767.9	42.3	23.0	0
17-02-2023	768.2	65.0	17.1	0
18-02-2023	768.5	75.0	15.1	0
19-02-2023	768.9	80.4	23.3	0
20-02-2023	769.2	85.0	23.5	0
21-02-2023	769.7	80.6	18.2	0
22-02-2023	767.7	90.0	10.6	23.6
23-02-2023	767.9	92.0	12.6	20.4
24-02-2023	768.2	39.3	19.2	0
25-02-2023	768.5	42.3	21.1	0
26-02-2023	768.9	39.0	23.3	0
27-02-2023	769.2	38.4	23.5	0
28-02-2023	760.8	35.7	23.0	0
			Total	44

	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/2022-23/11			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)
01.02.2023	71.16	42.26	18.76	22.79
03.02.2023	65.81	43.14	19.78	23.82
06.02.2023	68.04	43.80	20.24	21.80
11.02.2023	72.03	42.13	19.69	20.73
14.02.2023	69.36	39.96	18.21	19.98
16.02.2023	70.86	42.33	16.53	20.84
18.02.2023	72.61	43.71	18.69	20.82
20.02.2023	68.72	41.00	17.90	18.73
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		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/2022-23/11			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)
01.02.2023	39.04	25.10	11.68	14.45
03.02.2023	41.21	24.96	11.67	12.22
06.02.2023	37.01	23.64	9.20	14.46
11.02.2023	43.34	23.10	10.54	12.48
14.02.2023	42.04	25.64	10.57	13.35
16.02.2023	39.90	24.80	11.60	12.82
18.02.2023	39.03	24.67	11.28	14.12
20.02.2023	42.04	25.68	11.68	12.15
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/2022-23/11			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)
01.02.2023	33.94	23.10	7.88	13.30
03.02.2023	41.21	24.96	8.88	11.46
06.02.2023	37.01	20.71	10.06	13.21
11.02.2023	33.51	23.10	9.85	11.83
14.02.2023	40.26	21.96	11.03	13.23
16.02.2023	39.90	24.80	7.88	10.73
18.02.2023	37.04	23.91	10.64	12.23
20.02.2023	35.00	23.61	8.59	11.04
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/2022-23/11				
Month - February 2023				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
13.02.2023	Cement Packing Plant	2165	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/2022-23/11			Surface Water Analysis Results Month: February				Date of sample collection: 01.02.2023 Date of Analysis: 01.02.2023 to 04.02.2023			
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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	-	7.7	Water Source not found			7.5	7.8	7.9	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	41.0				42.3	24.0	26.7		250	
5	Total Hardness as CaCO ₃	mg/L	67.1				81.2	70.0	40.2		300	
6	Suspended Solids	mg/L	1.5				4.2	6.1	5.0		-	
7	Total Dissolve Solids	mg/L	220				215	162	82.0		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	330				323	243	123		-	
12	Flow	L / Min	-				-	-	-		-	

 Analyzed by	 Checked by	 Verified by
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