

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2023-24/05

Dated: 23/05/2023

To,

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

Subject : Submission of Environmental Monitoring Report for the month of April, 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 **April, 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)
01-04-2023	762	85.6	19.4	24.4
02-04-2023	760.1	80.3	18.9	16.2
03-04-2023	763.2	79.0	20.1	29.6
04-04-2023	762.5	75.0	20.4	2.8
05-04-2023	762.2	79.8	19.4	112.8
06-04-2023	762	50.6	30.8	0
07-04-2023	761	56.1	32.4	0
08-04-2023	762.9	64.2	35.0	0
09-04-2023	760	54.3	32.5	0
10-04-2023	760	69.2	31.8	0
11-04-2023	762	61.4	30.2	0
12-04-2023	761	54.6	33.5	0
13-04-2023	761	55.5	33.2	0
14-04-2023	760.9	51.2	30.4	0
15-04-2023	762.5	53.9	34.8	0
16-04-2023	762.2	52.6	30.5	0
17-04-2023	763	50.6	32.5	0
18-04-2023	761	68.6	25.0	2.8
19-04-2023	760	65.9	20.0	1.8
20-04-2023	762.5	79.4	18.0	33.8
21-04-2023	762.5	85.6	17.6	51.6
22-04-2023	762.2	72.9	17.2	4.6
23-04-2023	761	83.6	22.0	26
24-04-2023	761.5	50.3	30.0	0
25-04-2023	760.9	54.6	32.4	0
26-04-2023	762.5	53.9	32.0	0
27-04-2023	762.2	84.4	17.2	13.2
28-04-2023	762.5	55.6	30.0	0
29-04-2023	761.4	78.6	18.9	7.2
30-04-2023	763	51.9	24.9	0
			Total	326.8

	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/2023-24/01			Month: April	
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)
04.04.2023	73.74	44.00	19.48	26.01
06.04.2023	68.39	44.88	20.50	27.04
08.04.2023	70.62	45.54	20.96	25.02
10.04.2023	74.61	43.87	20.41	23.95
12.04.2023	71.94	41.70	18.93	23.20
14.04.2023	73.44	44.07	17.25	24.06
17.04.2023	75.19	45.45	19.41	24.04
19.04.2023	71.30	42.74	18.50	21.95
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/2023-24/01			Month: April	
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)
04.04.2023	41.98	26.94	14.94	18.27
06.04.2023	44.15	26.80	13.99	16.84
08.04.2023	39.95	25.48	14.97	17.77
10.04.2023	46.28	24.94	14.17	17.14
12.04.2023	44.98	23.80	13.95	14.97
14.04.2023	42.84	26.64	12.90	16.94
17.04.2023	41.97	25.75	12.58	16.16
19.04.2023	44.98	25.45	12.98	15.77
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/2023-24/01			Month: April	
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)
04.04.2023	32.39	22.39	10.20	16.32
06.04.2023	39.66	24.25	11.17	14.48
08.04.2023	35.46	20.00	9.38	16.23
10.04.2023	31.96	22.39	9.17	14.85
12.04.2023	38.71	21.25	10.35	16.25
14.04.2023	38.35	24.09	9.20	13.75
17.04.2023	35.49	23.20	9.96	15.25
19.04.2023	33.45	22.90	10.51	14.06
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/2023-24/01				
Month - April 2023				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
12.04.2023	Cement Packing Plant	2100	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
Date of Rev.	01.06.2019

WATER TESTING REPORT

Reference No.: MTEPL/ENV/WATER/MONTHLY/2023-24/01

Surface Water Analysis Results

Date of sample collection: 08.04.2023

Date of Analysis: 08.04.2023 to 11.04.2023

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	-	7.5	7.9	7.8	8.0	8.3	7.2	7.3	7.5	7.7	8.6	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	25	32	21.3	27.6	47.9	17.7	39.0	19.5	26.1	27.0	250
5	Total Hardness as CaCO ₃	mg/L	38	62	79.0	82.0	86.0	38.0	24.0	10.0	12.5	47.0	300
6	Suspended Solids	mg/L	1.0	6.8	1.2	15.2	8.0	6.7	4.2	3.2	2.0	9.7	-
7	Total Dissolve Solids	mg/L	240	276	239	298	367	84.6	220	10.4	59.2	125.0	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	416.0	479.0	434.0	528.0	639	153	430	19.6	119.0	306.0	-
12	Flow	L / Min	2828.9	4204.6	1457.9	1968.7	7589.3	317815.0	-	-	396.19	-	-

Analyzed by

Checked by

Verified by