

MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Ref: MTEPL/EHS/LUM/2023-24/16

Dated: 19/10/2023

To,

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

Subject : Submission of Environmental Monitoring Report for the month of September, 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 **Megha Technical & Engineers Pvt. Ltd.** for the month of **September, 2023.**

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

Thanking You,

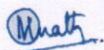
Yours truly,

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



Laxmaiah Munjala
Unit Head

Enclosed: a/a



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MEGHA TECHNICAL & ENGINEERS PVT. LTD

Lumshnong, Meghalaya

Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-09-2023	761.0	88.7	29.8	11.0
02-09-2023	763.0	86.9	27.5	36.8
03-09-2023	761.7	79.5	30.4	0.0
04-09-2023	762.0	85.2	30.0	0.0
05-09-2023	761.0	85.0	29.7	0.9
06-09-2023	762.4	87.0	28.4	0.0
07-09-2023	761.8	89.0	27.1	9.6
08-09-2023	762.9	79.0	22.0	92.1
09-09-2023	763.8	86.4	23.0	30.0
10-09-2023	761.4	82.5	22.0	0.0
11-09-2023	761.8	75.8	24.0	16.6
12-09-2023	761.5	72.6	23.0	40.0
13-09-2023	764.0	71.7	22.0	24.6
14-09-2023	761.0	73.6	25.7	4.0
15-09-2023	762.0	80.4	27.9	0.0
16-09-2023	762.0	82.5	29.6	0.0
17-09-2023	761.0	84.0	30.0	0.0
18-09-2023	763.0	69.5	31.0	0.0
19-09-2023	764.0	67.5	27.8	2.0
20-09-2023	762.0	67.5	22.0	55.0
21-09-2023	761.0	74.9	23.0	14.4
22-09-2023	763.0	73.4	25.0	14.2
23-09-2023	762.2	78.1	26.0	4.8
24-09-2023	762.0	76.5	30.0	0.0
25-09-2023	763.5	73.4	29.5	0.0
26-09-2023	762.4	69.8	28.7	0.0
27-09-2023	762.8	89.4	29.4	0.0
28-09-2023	761.4	75.6	28.7	0.0
29-09-2023	761.7	71.4	26.4	0.0
30-09-2023	762.4	78.6	30.1	0.0
			Total	356.0

	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/2023-24/06			Month : September	
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)
04.09.2023	60.96	38.28	15.10	19.96
06.09.2023	55.61	39.16	16.12	20.99
11.09.2023	57.84	39.82	16.58	18.97
14.09.2023	61.83	38.15	16.03	17.90
16.09.2023	59.16	35.98	14.55	17.15
19.09.2023	60.66	38.35	12.87	18.01
22.09.2023	66.21	42.74	17.61	20.10
25.09.2023	62.32	40.03	16.70	17.94
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/2023-24/06			Month : September	
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)
04.09.2023	24.64	18.23	15.86	19.37
06.09.2023	26.81	18.09	14.91	17.94
11.09.2023	22.61	16.77	15.89	18.87
14.09.2023	28.94	16.23	15.09	18.24
16.09.2023	27.64	15.09	14.87	16.07
19.09.2023	25.50	17.93	13.82	18.04
22.09.2023	24.63	17.04	13.50	17.26
25.09.2023	27.64	16.74	13.90	16.87
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/2023-24/06			Month : September	
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)
04.09.2023	28.61	22.45	13.33	18.21
06.09.2023	27.62	21.42	13.39	16.37
11.09.2023	28.62	22.13	11.60	18.12
14.09.2023	29.11	23.44	11.39	16.74
16.09.2023	27.61	22.30	12.57	18.11
19.09.2023	28.55	25.14	11.42	15.59
22.09.2023	30.92	24.25	12.18	17.12
25.09.2023	29.48	22.80	12.73	16.34
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/2023-24/06				
Month - September				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
		(in $\mu\text{g}/\text{m}^3$)	Limit	
13.09.2023	Cement Packing Plant	1874	(in $\mu\text{g}/\text{m}^3$) 5000	
 Analyzed By  Checked by  Verified By				



MEGHA TECHNICAL & ENGINEERS PVT. LTD

Lumshnong, Meghalaya

WATER TESTING REPORT

Reference No.	MTEPL/EHS/F-04
Issue No.	1
Date of Issue:	24.08.2013
Revision No.	3
Date of Rev.	01.06.2019

Reference No.: MTEPL/ENV/WATER/MONTHLY/2023-24/06

Surface Water Analysis Results

Date of sample collection:22.09.2023

Date of Analysis: 22.09.2023 to 25.09.2023

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	-	7.8	8.0	7.7	8.4	8.2	7.7	8.2	7.8	7.4	7.8	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	21.3	26.6	23.0	24.8	27.3	22.7	30.1	23.0	24.8	23.0	250
5	Total Hardness as CaCO ₃	mg/L	4.4	64.4	72.6	78.2	80.0	45.4	18.0	20.0	25.8	42.0	300
6	Suspended Solids	mg/L	6.2	17.3	13.0	44.1	50.2	12.5	8.3	8.2	10.7	10.4	-
7	Total Dissolve Solids	mg/L	275.1	282.5	232.6	291.9	308.1	101.8	174.0	26.9	36.8	178.8	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	437.5	452.6	376.8	470.1	491.0	162.2	284.3	44.6	58.2	289.9	-
12	Flow	L / Min	54740.0	92496.5	10253.8	26101.8	11112.9	317815.0			396.2		-

Analyzed by

Checked by

Verified by