

# MEGHA TECHNICAL & ENGINEERS (PVT.) LIMITED

Regd. Office & Works: Lunshnong, PO-Khaliehiat, Distt. – East Jaintia Hills, Meghalaya-793210

Ph: 03655-278215/16, Fax: 03655-278218

Ref: MTEPL/EHS/LUM/2020-21/012

Dated: 23/03/2021

To,

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

Subject: Monthly Environmental Monitoring Report.

Ref. No.: MPCB/CON-68/2006(Pt-I)/2019-2020/56, Dated. Shillong, the 2<sup>nd</sup> July, 2019.

Dear Sir,

Please find enclosed herewith the monthly report of Ambient Air Quality monitoring including meteorological data and Stack Emission monitoring reports of **Megha Technical & Engineers (P) Limited** for the month of **February, 2021** for your kind perusal.

Kindly acknowledge the receipt of the same.


Thanking you,

Yours faithfully

For **Megha Technical & Engineers (P) Limited**

  
Authorized Signatory

Enclosed: Monitoring Report for the month of Feb'21.

	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
		Issue No.	1
		Date of Issue:	01-06-2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	5
		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/057

Location of Sampling : MTEPL, Lumshnong  
 Date of Sampling : 02.02.2021 – 03.02.2021  
 Distance between the Industry and sampling Location : NA  
 Time duration of sampling : 24 hrs.  
 Weather : Dry  
 Total Rain Fall (mm) : No Rain Fall  
 Ambient Temperature (°C)  
     Maximum : 23.0 °C  
     Minimum : 9.3 °C  
 Relative Humidity (%)  
     Maximum : 95.2 %  
     Minimum : 50.1 %  
 Wind Direction : NE - SW  
 Wind Speed (km/hr.) : 17.2


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /169/20-21	(Near Pump House) M /170/20-21	(Near Worker Colony) M /171/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	55.1	52.1	55.2	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	25.7	28.1	26.7	60
Sulphur Dioxide SO2 (µg/m3)	8.7	8.7	9.6	80
Nitrogen Dioxide NO2 (µg/m3)	12.4	12.6	12.8	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
 Analyzed By

  
 Checked By

  
 Verified By

	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
		Issue No.	1
		Date of Issue:	01-06-2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	5
		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/058

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 04.02.2021 – 05.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 25.5 <sup>0</sup>C  
    **Minimum** : 9.2 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 95.2 %  
    **Minimum** : 32.0 %  
**Wind Direction** : NE - SW  
**Wind Speed (km/hr.)** : 7.8


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /172/20-21	(Near Pump House) M /173/20-21	(Near Worker Colony) M /174/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	50.6	56.2	56.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	26.9	33.5	29.1	60
Sulphur Dioxide SO2 (µg/m3)	9.6	7.8	8.7	80
Nitrogen Dioxide NO2 (µg/m3)	14.3	13.9	14.3	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
		Issue No.	1
		Date of Issue:	01-06-2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	5
		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/059

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 10.02.2021 – 11.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 26.3 <sup>0</sup>C  
    **Minimum** : 9.2 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 90.1 %  
    **Minimum** : 36.3 %  
**Wind Direction** : NE - SW  
**Wind Speed (km/hr.)** : 2.8


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /175/20-21	(Near Pump House) M /176/20-21	(Near Worker Colony) M /177/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	41.5	46.4	56.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	30.4	33.7	35.4	60
Sulphur Dioxide SO2 (µg/m3)	9.8	8.7	9.3	80
Nitrogen Dioxide NO2 (µg/m3)	15.2	14.1	16.2	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
		Issue No.	1
		Date of Issue:	01-06-2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	5
		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/060

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 13.02.2021 – 14.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 24.6 <sup>0</sup>C  
    **Minimum** : 10.1 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 96.2 %  
    **Minimum** : 42.0 %  
**Wind Direction** : E-W  
**Wind Speed (km/hr.)** : 16.4


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /178/20-21	(Near Pump House) M /179/20-21	(Near Worker Colony) M /180/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	48.2	52.8	59.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	30.8	36.4	33.6	60
Sulphur Dioxide SO2 (µg/m3)	7.8	7.1	11.5	80
Nitrogen Dioxide NO2 (µg/m3)	12.8	12.8	15.3	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
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		Date of Issue:	01-06-2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	5
		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/061

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 17.02.2021 – 18.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 26.4 <sup>0</sup>C  
    **Minimum** : 17.2 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 77.0 %  
    **Minimum** : 38.4 %  
**Wind Direction** : NW-SE  
**Wind Speed (km/hr.)** : 4.5


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /181/20-21	(Near Pump House) M /182/20-21	(Near Worker Colony) M /183/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	50.6	56.7	49.7	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	33.1	38.7	32.8	60
Sulphur Dioxide SO2 (µg/m3)	9.1	7.4	8.9	80
Nitrogen Dioxide NO2 (µg/m3)	11.9	13.7	14.7	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> <b>Lumshnong, Meghalaya</b>	Reference No.	MTEPL/EHS/EM/F-01
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		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/062

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 19.02.2021 – 20.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 27.6 <sup>0</sup>C  
    **Minimum** : 12.1 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 86.2 %  
    **Minimum** : 33.0 %  
**Wind Direction** : NE - SW  
**Wind Speed (km/hr.)** : 15.2


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /184/20-21	(Near Pump House) M /185/20-21	(Near Worker Colony) M /186/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	58.1	49.0	62.7	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	35.9	36.8	29.4	60
Sulphur Dioxide SO2 (µg/m3)	10.8	8.3	9.3	80
Nitrogen Dioxide NO2 (µg/m3)	17.3	11.2	16.8	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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		Date of Issue:	01-06-2019
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		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/063

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 23.02.2021 – 24.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 28.3 <sup>0</sup>C  
    **Minimum** : 12.2 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 91.3 %  
    **Minimum** : 33.0 %  
**Wind Direction** : E - W  
**Wind Speed (km/hr.)** : 24.4


Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /187/20-21	(Near Pump House) M /188/20-21	(Near Worker Colony) M /189/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	52.7	55.1	56.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	31.6	28.5	26.8	60
Sulphur Dioxide SO2 (µg/m3)	11.5	7.2	11.2	80
Nitrogen Dioxide NO2 (µg/m3)	15.7	12.2	15.4	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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		Date of Rev.	01.01.2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/064

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 25.02.2021 – 26.02.2021  
**Distance between the Industry and sampling Location** : NA  
**Time duration of sampling** : 24 hrs.  
**Weather** : Dry  
**Total Rain Fall (mm)** : No Rain Fall  
**Ambient Temperature (<sup>0</sup>C)**  
    **Maximum** : 25.0 <sup>0</sup>C  
    **Minimum** : 15.0 <sup>0</sup>C  
**Relative Humidity (%)**  
    **Maximum** : 88.0 %  
    **Minimum** : 56.1 %  
**Wind Direction** : NE - SW  
**Wind Speed (km/hr.)** : 8.0

Pollutants	Air Quality Monitoring Analysis Result			National Ambient Air Quality Standards Permissible Limits for Rural , Ind., Residential Area
	Station Name & No.			
	1	2	3	
	(Near Time Office) M /190/20-21	(Near Pump House) M /191/20-21	(Near Worker Colony) M /192/20-21	
GPS Coordinate	25*10'42"N 92*23'19"E 925 m	25*10'42"N 92*23'32"E 919 m	25*10'46"N 92*23'17"E 932 m	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m3	53.8	56.8	55.2	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	32.9	32.9	27.1	60
Sulphur Dioxide SO2 (µg/m3)	13.5	6.8	8.6	80
Nitrogen Dioxide NO2 (µg/m3)	13.6	9.7	16.3	80

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Rural Areas as per National Ambient Air Quality Standards, Notification dated 18th November 2009.

  
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