
	<b>MEGHA TECHNICAL &amp; ENGINEERS (P) LIMITED</b> Lumshnong, Meghalaya	Document No.	MTEPL/EHS/EM/F-01
		Date of Issued	01/06/2019
	<b>AMBIENT AIR QUALITY MONITORING REPORT</b>	Revision No.	05
		Revision Date	01/01/2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/049

Location of Sampling	: MTEPL, Lumshnong
Date of Sampling	: 02.01.2021 – 03.01.2021
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	: 24.0 °C
• Minimum	: 10.0 °C
Relative Humidity (%)	
• Maximum	: 95.2 %
• Minimum	: 51.1 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 27.9

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /145/20-21	(Near Pump House) M /146/20-21	(Near Worker Colony) M /147/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	56.7	58.4	59.1	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	23.8	32.1	38.1	60
Sulphur Dioxide SO2 (µg/m³)	7.3	7.1	6.9	80
Nitrogen Dioxide NO2 (µg/m³)	10.9	9.4	10.3	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 18<sup>th</sup> November 2009.

  
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AMBIENT AIR QUALITY MONITORING REPORT

Ref: MTEPL/Env/AAQM/Monthly/2020-21/050


Location of Sampling	: MTEPL, Lumshnong
Date of Sampling	: 04.01.2021 – 05.01.2021
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	: 25.2 °C
• Minimum	: 8.1 °C
Relative Humidity (%)	
• Maximum	: 95.4 %
• Minimum	: 42.2 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 27.9

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /148/20-21	(Near Pump House) M /149/20-21	(Near Worker Colony) M /150/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	40.0	56.1	57.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	25.7	38.9	35.5	60
Sulphur Dioxide SO2 (µg/m³)	6.6	6.4	6.5	80
Nitrogen Dioxide NO2 (µg/m³)	11.2	11.5	11.4	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 18<sup>th</sup> November 2009.

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		Revision Date	01/01/2021

Ref: MTEPL/Env/AAQM/Monthly/2020-21/051

Location of Sampling	: MTEPL, Lumshnong
Date of Sampling	: 11.01.2021 – 12.01.2021
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	: 22.3 °C
• Minimum	: 13.0 °C
Relative Humidity (%)	
• Maximum	: 95.6 %
• Minimum	: 61.5 %
Wind Direction	: E - W
Wind Speed (km/hr.)	: 6.6

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /151/20-21	(Near Pump House) M /152/20-21	(Near Worker Colony) M /153/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	35.8	53.5	62.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	30.0	33.2	42.9	60
Sulphur Dioxide SO2 (µg/m³)	7.5	7.1	6.4	80
Nitrogen Dioxide NO2 (µg/m³)	10.9	10.9	10.1	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 18<sup>th</sup> November 2009.



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Revision No. 05

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Ref: MTEPL/Env/AAQM/Monthly/2020-21/052

**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 12.01.2021 – 13.01.2021  
**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 : 22.1 °C  
• Minimum : 12.0 °C  
**Relative Humidity (%)**  
• Maximum : 95.6 %  
• Minimum : 61.2 %  
**Wind Direction** : E - W  
**Wind Speed (km/hr.)** : 5.7

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /154/20-21	(Near Pump House) M /155/20-21	(Near Worker Colony) M /156/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	51.0	63.4	61.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	33.1	42.1	38.8	60
Sulphur Dioxide SO2 (µg/m³)	7.7	6.8	7.5	80
Nitrogen Dioxide NO2 (µg/m³)	11.2	10.3	13.2	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 18<sup>th</sup> November 2009.

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**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 16.01.2021 – 17.01.2021  
**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 : 20.3 °C  
• Minimum : 9.2 °C  
**Relative Humidity (%)**  
• Maximum : 95.2 %  
• Minimum : 59.5 %  
**Wind Direction** : E - W  
**Wind Speed (km/hr.)** : 4.9

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /157/20-21	(Near Pump House) M /158/20-21	(Near Worker Colony) M /159/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	64.8	51.7	60.4	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	35.0	38.8	37.3	60
Sulphur Dioxide SO2 (µg/m³)	6.9	6.3	6.5	80
Nitrogen Dioxide NO2 (µg/m³)	12.3	9.2	10.2	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 18<sup>th</sup> November 2009.

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AMBIENT AIR QUALITY MONITORING REPORT

Ref: MTEPL/Env/AAQM/Monthly/2020-21/054

Location of Sampling	: MTEPL, Lumshnong
Date of Sampling	: 18.01.2021 – 19.01.2021
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	: 24.4 °C
• Minimum	: 10.1 °C
Relative Humidity (%)	
• Maximum	: 95.2 %
• Minimum	: 43.1 %
Wind Direction	: E – W
Wind Speed (km/hr.)	: 6.5

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /160/20-21	(Near Pump House) M /161/20-21	(Near Worker Colony) M /162/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	50.4	52.8	63.3	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	28.0	37.1	38.5	60
Sulphur Dioxide SO2 (µg/m³)	5.8	6.7	6.3	80
Nitrogen Dioxide NO2 (µg/m³)	9.9	11.8	9.8	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 18<sup>th</sup> November 2009.

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Revision No. 05

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Ref: MTEPL/Env/AAQM/Monthly/2020-21/055


**Location of Sampling** : MTEPL, Lumshnong  
**Date of Sampling** : 29.01.2021 – 30.01.2021  
**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 : 24.5 °C  
• Minimum : 9.2 °C  
**Relative Humidity (%)**  
• Maximum : 95.5 %  
• Minimum : 36.0 %  
**Wind Direction** : NE - SW  
**Wind Speed (km/hr.)** : 9.9

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /163/20-21	(Near Pump House) M /164/20-21	(Near Worker Colony) M /165/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	58.3	48.8	64.5	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	30.2	29.5	37.7	60
Sulphur Dioxide SO2 (µg/m³)	6.4	5.4	9.8	80
Nitrogen Dioxide NO2 (µg/m³)	10.1	9.3	10.25	80

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Location of Sampling	: MTEPL, Lumshnong
Date of Sampling	: 30.01.2021 – 31.01.2021
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	: 20.6 °C
• Minimum	: 10.2 °C
Relative Humidity (%)	
• Maximum	: 95.3 %
• Minimum	: 59.2 %
Wind Direction	: NE - SW
Wind Speed (km/hr.)	: 5.4

Pollutants	Analysis			National Ambient Air Quality Standards Permissible Limits for Rural , Ind, Residential Area
	Station No. & Air Quality Monitoring No.			
	1	2	3	
	(Near Time Office) M /166/20-21	(Near Pump House) M /167/20-21	(Near Worker Colony) M /168/20-21	
Suspended Particulate Matter (Size less than 10 µm) or PM10 µg/m³	52.7	56.7	64.8	100
Suspended Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m³	30.5	32.9	38.3	60
Sulphur Dioxide SO2 (µg/m³)	6.8	6.8	6.6	80
Nitrogen Dioxide NO2 (µg/m³)	11.1	9.7	10.5	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 18<sup>th</sup> November 2009.

  
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