

MEGHALAYA POWER LIMITED

Corporate Office : Satyam Tower, 3 Alipore Road, 1st Floor, Unit No. 9B, Kolkata-700027
Ph: +91 33 2448 4169 / 4170 / 4693, Fax: +91 332448 4168, e-mail: kolkata@starcement.co.in

Ref: MPL (1 X 8 MW)/LUM/EHS/2021-22/24

Dated: 25/02/2022

To,

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

Subject: Monthly Environmental Monitoring Report.

Ref. No.: MPCB/CON-54/2007/2019-2020/80, Dated. Shillong, the 1st November, 2019.

Dear Sir,

Please find enclosed herewith the monthly Environmental monitoring reports of Ambient Air Quality, Fugitive Emission, Stack Emission & Waste Water (ETP) analysis reports of **M/s Meghalaya Power Limited (1 X 8 MW)** for the month of **January, 2022** for your kind perusal.

Kindly acknowledge receipt for the same.

With best Regards

For **Meghalaya Power Limited**


Devender Kr Bansal
Management Representative

Enclosed: As mentioned above

- CC to:
- 1) The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-793 014.
 - 2) The Member Secretary, State Environment Impact Assessment Authority (SEIAA), 'Silviculture Building' Lower Lachumiere, Shillong - 793001, Meghalaya

MEGHALAYA POWER LIMITED Lumshnong, Meghalaya		Reference No.		MPL/Env/F – 01	
		Issue No.		1	
		Date of Issue:		24.08.2013	
AMBIENT AIR QUALITY MONITORING REPORT		Revision No.		5	
		Date of Rev.		01.12.2020	
Reference No.: MPL (8 MW)/ENV/AAQM/MONTHLY/2021-22/31		Month: Jan'22			
Location of Sampling: Near ADM Office (South)		GPS Coordinate: 25°10'34"N 92°23'46"E 907 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)	
05-01-2022	50.98	30.24	9.47	12.54	
07-01-2022	51.45	32.48	12.45	13.45	
11-01-2022	49.34	30.45	10.19	10.58	
13-01-2022	52.84	33.47	11.58	13.61	
18-01-2022	49.75	31.68	9.72	10.33	
21-01-2022	50.46	30.85	9.54	13.88	
24-01-2022	48.69	32.75	12.68	12.39	
28-01-2022	53.85	34.12	11.45	9.98	
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

MEGHALAYA POWER LIMITED Lumshnong, Meghalaya		Reference No.		MPL/Env/F – 01	
		Issue No.		1	
		Date of Issue:		24.08.2013	
AMBIENT AIR QUALITY MONITORING REPORT		Revision No.		5	
		Date of Rev.		01.12.2020	
Reference No.: MPL (8 MW)/ENV/AAQM/MONTHLY/2021-22/32		Month: Jan'22			
Location of Sampling: Near STP		GPS Coordinate: 25°10'49"N 92°23'58"E 947 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)	
03-01-2022	48.54	29.47	19.34	21.65	
06-01-2022	49.34	30.49	17.58	24.14	
12-01-2022	47.25	31.54	20.50	19.34	
15-01-2022	51.37	30.68	16.34	17.92	
17-01-2022	48.39	32.45	18.34	21.38	
21-01-2022	49.48	32.56	19.34	25.34	
25-01-2022	48.46	30.47	15.35	20.45	
28-01-2022	50.98	29.67	18.73	18.64	
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




MEGHALAYA POWER LIMITED Lumshnong, Meghalaya		Reference No.		MPL/Env/F – 01	
		Issue No.		1	
		Date of Issue:		24.08.2013	
AMBIENT AIR QUALITY MONITORING REPORT		Revision No.		5	
		Date of Rev.		01.12.2020	
Reference No.: MPL (8 MW)/ENV/AAQM/MONTHLY/2021-22/33		Month: Jan'22			
Location of Sampling: Near Piezometer		GPS Coordinate: 25°10'35″N 92°23'53″E 348 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)	
05-01-2022	49.57	35.49	17.84	17.22	
07-01-2022	53.28	33.35	15.34	19.34	
11-01-2022	53.46	35.15	15.69	15.57	
13-01-2022	52.49	32.49	17.94	18.79	
18-01-2022	51.73	34.61	16.33	16.32	
21-01-2022	53.48	33.47	14.46	17.46	
24-01-2022	48.31	36.54	15.61	15.34	
28-01-2022	50.67	35.24	14.79	16.65	
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


MEGHALAYA POWER LIMITED Lumshnong, Meghalaya		Reference No.	MPL/Env/F-02
		Issue No.	1
		Date of Issue:	01.05.2019
		Revision No.	5
STACK EMISSION MONITORING ANALYSIS REPORT		Date of Rev.	01.06.2021
Report No: MPL/Env/Stack/Monthly/2021-22/02 Month: January'22			
<u>Analysis Result</u>			
A. General Information About Stack			
1	Stack Identification No	8 MW	
2	Stack Connected to	Boiler	
3	Material of Construction (Stack/Duct)	Mild Steel	
4	Shape of duct	Circular	
5	Whether duct is provided with permanent platform & ladder	Yes	
B. Physical characteristic of stack			
1	Stack Height from ground level (meter)	45	
2	Duct diameter at sampling point (meter)	2.08	
3	Sampling height point from ground level (meter)	11	
4	Cross sectional area of Duct/Stack (m ²)	3.4	
C. Pollution Control Device			
1	Details of pollution control device attached to stack	ESP	
D. Result of Sampling & Analysis of Gaseous Emission			
1	Date of Sampling	15.01.2022	
2	Ambient Temp (°C)	29.00	
3	Stack Gas Temp (°C)	105	
4	Exit Velocity of Gas (m/sec.)	7.81	
5	Flow Rate (Nm ³ / sec.)	18.86	
6	Quantity of Emission (Nm ³ / Hr)	67880.87	
7	Concentration of PM (mg/Nm ³)	24.01	
8	Concentration of SO ₂ (mg/Nm ³)	288.05	
9	Concentration of NO _x (mg/Nm ³)	190.32	
10	Oxygen (O ₂) (%)	9.6	
E. Remarks: Monitoring of 8MW Boiler stack has not carried out due to shut down.			
Standard			
PM - 50 mg/Nm ³		SO ₂ - 600 mg/Nm ³	
		NO _x - 300 mg/Nm ³	
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)			
 Analysis by		 Checked by	
 Authorized Signatory			

MEGHALAYA POWER LIMITED Lumshnong, Meghalaya	Document No.	MPL/EHS/Env/F-04
	Date of Issued	01-05-2019
	Revision No.	2
FUGITIVE EMISSION MONITORING REPORT	Revision Date	01-01-2021

Ref: MPL/Env/Fugitive/Monthly/2021-22/010

Month - Jan 2022

Date	Location	Fugitive Emission Results	Limit
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)
08.01.2022	Coal Storage Section	1609	2000


Analyzed By


Checked By


Verified By

MEGHALAYA POWER LIMITED Lumshnong, Meghalaya	Reference No.	SCL/EHS/F-04
	Issue No.	1
	Date of Issue:	24.08.2013
	Revision No.	3
WATER TESTING REPORT	Date of Rev.	01.06.2019

Report No. - 09

Date of sample collection: - 12.01.2022
Date of Analysis: 12.12.2022 to 15.01.2022

Sr.No.	Parameter	Unit	ETP Outlet	Standard Norms For Discharge of Environment Pollution (Notification Date:- 19th May 1993) & Consent To Operate vide letter no. MPCB/TB-900 (Pt-II)/2014-2015/34 – dated Shillong, the 3rd SEP, 2014.
1	pH	-	7.2	5.5 to 9.0
2	Suspended Solids	mg/L	17.4	100
3	Total Dissolve Solids	mg/L	380	-
4	Chemical Oxygen Demand	mg/L	25.0	250
5	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	5.7	30
6	Oil & Grease	mg/L	<3	10


Analysis By


Checked By


Verified By