

# MOXIE POWER GENERATION LIMITED

MPGL/ENV/TNPCB/2024-25/25

06.12.2024

To

The Member Secretary,  
Tamil Nadu Pollution Control Board,  
76, Anna Salai, Guindy,  
Chennai - 600 032.

Dear Sir,

**Sub:** Submission of Monthly Environment report - Reg.

This has reference to the captioned subject; we enclose the Monthly Environment Report of Moxie Power Generation Ltd (formerly Coastal Energen Pvt Ltd) 2 x 600 MW Thermal Power Plant, Tuticorin for the period of 01.11.2024 to 30.11.2024.

This is for your kind information and records.

Thanking You,  
Yours faithfully,  
For MOXIE POWER GENERATION LIMITED

  
MK Parameswaran



Station Head

- Copy to: 1. Joint Chief Environmental Engineer (M), TNPCB, Tirunelveli  
2. District Environmental Engineer, TNPCB, Tuticorin

Moxie Power Generation Limited  
"Adani Corporate House"  
Shantigram, Near Vaishno Devi Circle,  
S. G. Highway, Khodiyar,  
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# MOXIE POWER GENERATION LIMITED

2 X 600 MW THERMAL POWER PLANT

## METROLOGICAL STATION REPORT

Daily Average from 01.11.2024 to 30.11.24

Date	Ambient Temperature (°C)			Barometric Pressure (m.bar)			Predominant Wind direction Blowing from	Wind Speed (Km/Hr)			Relative Humidity (%)			Rain Fall (mm)
	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	
1-Nov-24	24.6	35.2	27.9	1038.3	1041.2	1039.9	South West & West	1.2	20.0	4.3	57.7	94	82.6	0.0
2-Nov-24	24.1	33.6	27.5	1038.5	1041.5	1040.1	West & South West	1.2	18.6	5.7	59.6	98.7	85.0	9.5
3-Nov-24	23.1	33.7	27.4	1038.2	1041.5	1040	North & South West	1.2	17.1	4.8	56.7	99.5	83.3	2.5
4-Nov-24	23.8	31.0	26.2	1037.9	1040.9	1039.6	South West & West	1.2	21.4	4.6	69.3	98.8	89.7	7.5
5-Nov-24	23.7	33.6	27.7	1037.9	1041	1039.6	North East & West	1.2	15.4	5.2	57.3	99.3	79.6	0.0
6-Nov-24	23.8	34	28.5	1037.6	1041.3	1039.5	South West & North East	1.2	15.9	5.8	52	93.8	76.4	0.0
7-Nov-24	24.5	35	29.1	1037.4	1040.8	1039.3	West & North West	1.2	20.4	5.7	50.1	96.8	75.0	0.0
8-Nov-24	25.1	31.2	27	1038.3	1040.7	1039.5	South West & West	1.2	23.2	6.0	65.7	93.4	83.5	0.0
9-Nov-24	24.2	34.5	28.3	1037.8	1040.8	1039.4	West & North West	1.2	23.5	7.4	51	93.4	76.2	0.0
10-Nov-24	24.3	35.8	29.1	1037.2	1040.7	1039.2	West & North West	1.2	26.9	7.9	36.4	92.5	67.0	0.0
11-Nov-24	24.2	36.1	28.7	1036.7	1040.5	1038.7	West & North West	1.2	22.5	6.9	32.5	91.4	67.7	0.0
12-Nov-24	24.1	34.8	27.3	1036.2	1039.4	1038.1	North East & South West	1.2	21.4	6.1	52.1	99.5	79.5	0.0
13-Nov-24	24.3	34.7	27.3	1015.5	1039.3	1037.6	West & North West	1.2	19.4	6.4	57.6	92.7	78.5	0.5
14-Nov-24	24.8	34.4	28.4	1037.1	1040.5	1038.8	West & South West	1.2	18.4	6.6	56.2	95.9	79.1	0.5
15-Nov-24	24.8	29.7	26.2	1037.4	1041.3	1039.2	South West & West	1.2	17.5	3.7	84.1	98.7	95.1	16.5
16-Nov-24	24.3	32.5	28.4	1037.0	1040.2	1038.7	West & North West	1.2	19.9	7.1	65.5	97.4	84.4	1.0
17-Nov-24	23.9	33.1	27.5	1036.9	1040	1038.6	West & North West	1.2	19.2	7.6	63.5	98.7	85.4	0.0
18-Nov-24	24.4	32.1	27.7	1037.4	1041.1	1039	West & North West	1.8	23.1	9.1	64.1	94.6	80.0	1.5
19-Nov-24	23.4	29.2	25.7	1037.9	1041.8	1039.6	West & North West	1.2	20.5	7.3	70.6	96.9	87.8	2.5
20-Nov-24	21.7	24.6	23.2	1037.9	1042.1	1039.7	West & South West	1.2	31.6	7.6	86.4	99.5	95.2	38.5
21-Nov-24	22.6	27.6	24.9	1038.1	1041.5	1039.7	West & South West	1.2	22.4	6.4	80.1	99.5	90.9	15.0
22-Nov-24	23.9	31.2	26.8	1037.5	1041	1039.4	West & North West	1.2	20.8	6.2	59.4	95.2	81.2	0.0
23-Nov-24	24.6	31.2	27.5	1038	1041.2	1039.7	West & South West	1.2	21.3	7.8	65	93.5	80.4	0.0
24-Nov-24	24.3	30.5	26.9	1038.2	1041.3	1039.8	West & South West	1.2	20.5	7.4	64.1	94.5	82.2	0.0
25-Nov-24	24.4	29	26.3	1037.8	1040.5	1039.1	West & South West	1.4	20.3	7.9	68.6	92.9	81.0	0.0
26-Nov-24	22.4	28	24.6	1036.9	1039.3	1038.2	South West & West	1.2	14.3	5.9	72.9	99.5	88.3	7.0
27-Nov-24	22.7	26.7	24	1035.9	1038.8	1037.4	South West & West	1.2	19.2	6.3	79.5	99.5	92.9	0.0
28-Nov-24	23.4	31.2	26.6	1035.9	1038.7	1037.1	South West & West	1.2	16.0	3.7	61.2	97.5	84.6	0.0
29-Nov-24	24.6	31.5	27.1	1035.4	1038.4	1037.0	West & South West	1.2	13.3	3.4	58.7	98.1	82.9	0.0
30-Nov-24	24.4	34	28.7	1034.3	1037.6	1036	East & North East	1.2	20.5	7.1	50.4	96.6	75.0	0.0
Remarks:	<b>Total Rainfall for the month 102.5 mm.</b>													Rainfall Recorded on 1, 2, 3, 13, 14, 15, 16, 18, 19, 20, 21 & 26 November.

For Moxie Power Generation Limited  
  
 MK Parameswaran  
 Station Head



# MOXIE POWER GENERATION LIMITED

2 X 600 MW THERMAL POWER PLANT  
CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Daily Average from 01.11.2024 to 30.11.2024

Date	STATION-1 (Near Main Office)					STATION-2 (Near Batching Plant)					STATION-3 (Near Crusher House)					STATION-4 (Sea Water Pump House)				
	SO2 µg/m³	NOx µg/m³	PM10 µg/m³	PM2.5 µg/m³	CO mg/m³	SO2 µg/m³	NOx µg/m³	PM10 µg/m³	PM2.5 µg/m³	CO mg/m³	SO2 µg/m³	NOx µg/m³	PM10 µg/m³	PM2.5 µg/m³	CO mg/m³	SO2 µg/m³	NOx µg/m³	PM10 µg/m³	PM2.5 µg/m³	CO mg/m³
1-Nov-24	8.5	8.5	80.0	28.0	0.7	9.6	16.3	6.0	32.0	0.7	8.5	17.3	26.0	14.0	0.3	10.3	8.5	85.0	79.0	1.1
2-Nov-24	8.3	8.5	53.0	20.0	0.7	9.5	15.1	3.0	14.0	0.6	8.5	17.5	18.0	7.0	0.2	9.9	9.6	85.0	31.0	0.6
3-Nov-24	8.2	8.5	27.0	31.0	0.7	9.6	13.8	23.0	8.0	0.6	8.3	16.6	8.0	3.0	0.2	9.9	8.2	35.0	9.0	0.9
4-Nov-24	7.9	8.6	47.0	14.0	0.6	9.6	15.2	29.0	11.0	0.6	8.3	16.7	23.0	3.0	0.2	9.7	5.5	63.0	15.0	1.0
5-Nov-24	7.9	8.6	31.0	56.0	0.6	9.6	15.9	33.0	9.0	0.6	8.2	16.3	11.0	3.0	0.2	9.6	7.3	51.0	12.0	1.1
6-Nov-24	8.2	8.5	104.0	41.0	0.7	9.4	12.2	3.0	26.0	0.7	8.2	16.5	35.0	15.0	0.2	9.9	7.8	106.0	73.0	1.2
7-Nov-24	10.3	8.5	84.0	53.0	0.7	9.4	12.2	3.0	29.0	0.7	8.2	16.6	29.0	11.0	0.3	10.0	7.8	86.0	62.0	1.2
8-Nov-24	11.5	8.5	38.0	46.0	0.7	9.4	9.9	28.0	11.0	0.7	8.2	16.5	14.0	3.0	0.3	9.8	2.7	64.0	57.0	1.2
9-Nov-24	9.6	8.5	43.0	35.0	0.7	9.4	11.5	34.0	11.0	0.7	8.2	16.6	27.0	8.0	0.2	9.7	7.7	51.0	37.0	0.8
10-Nov-24	8.6	8.4	54.0	34.0	0.7	9.3	11.1	23.0	13.0	0.7	8.2	16.6	32.0	10.0	0.2	9.5	6.4	73.0	46.0	0.9
11-Nov-24	8.5	8.5	69.0	47.0	0.7	9.1	11.1	71.0	16.0	0.8	8.2	16.6	32.0	10.0	0.2	9.5	6.7	132.0	75.0	1.0
12-Nov-24	8.6	8.5	124.0	74.0	0.7	9.0	11.8	63.0	28.0	0.9	8.3	16.4	38.0	15.0	0.3	9.5	5.1	63.0	43.0	0.8
13-Nov-24	8.5	8.3	66.0	35.0	0.7	9.1	9.7	25.0	43.0	0.9	8.1	16.4	23.0	9.0	0.2	9.8	4.2	46.0	17.0	0.8
14-Nov-24	8.7	8.5	39.0	26.0	0.7	9.4	11.5	20.0	24.0	0.8	8.3	16.6	11.0	2.0	0.3	9.8	4.2	46.0	17.0	0.8
15-Nov-24	8.5	8.5	95.3	19.5	0.7	12.0	17.8	27.9	12.0	0.7	8.4	16.8	7.1	3.0	0.2	9.5	2.1	55.5	31.6	0.9
16-Nov-24	8.7	8.5	56.7	21.3	0.7	10.5	27.6	22.1	10.1	0.6	8.4	16.6	10.5	2.5	0.2	9.5	2.4	40.4	21.3	0.8
17-Nov-24	8.6	8.5	81.1	22.4	0.7	9.6	26.4	31.4	10.5	0.6	8.4	16.6	13.4	3.2	0.2	9.7	2.5	52.6	23.5	0.9
18-Nov-24	8.5	8.5	107.9	46.0	0.7	9.3	27.4	5.8	16.9	0.7	8.4	17.2	33.5	13.3	0.2	9.6	2.5	63.5	32.9	1.1
19-Nov-24	8.2	8.3	100.0	36.0	0.8	9.1	35.4	49.6	25.0	0.8	8.3	16.5	35.8	16.6	0.3	9.7	3.6	137.4	112.2	1.2
20-Nov-24	8.0	8.2	89.0	41.0	1.0	9.1	50.4	27.2	14.6	0.7	8.4	16.6	26.0	11.9	0.3	9.2	2.6	119.4	128.5	0.9
21-Nov-24	7.3	7.7	101.0	58.0	0.9	8.9	33.8	78.5	78.0	0.6	7.5	15.9	28.1	11.6	0.2	7.3	8.6	98.3	122.9	0.1
22-Nov-24	7.6	8.5	118.0	22.0	0.8	9.0	34.6	29.2	27.3	0.6	8.4	16.8	54.9	18.3	0.3	11.2	6.2	131.8	34.2	1.1
23-Nov-24	7.9	8.5	105.0	21.0	0.8	9.0	30.9	16.9	25.4	0.6	8.3	16.9	36.0	17.4	0.3	10.2	6.3	133.7	36.0	1.1
24-Nov-24	8.3	8.5	78.0	19.0	0.7	9.1	28.2	27.2	20.0	0.5	8.5	17.0	30.4	13.3	0.3	9.7	2.5	94.1	*	1.1
25-Nov-24	8.5	8.4	104.0	36.0	0.7	9.2	23.9	48.1	13.4	0.7	8.4	17.3	28.1	2.4	0.2	9.6	3.7	116.2	*	1.2
26-Nov-24	8.4	8.5	99.0	62.0	0.8	9.6	23.5	68.8	50.6	0.6	8.4	17.3	33.1	12.8	0.3	9.7	7.6	127.2	*	1.2
27-Nov-24	7.7	8.2	65.9	33.0	0.8	9.7	24.9	42.8	14.9	0.6	8.2	16.8	20.7	7.0	0.2	9.8	8.2	71.3	*	1.2
28-Nov-24	8.3	8.5	89.5	45.0	0.8	9.7	28.1	72.0	22.0	0.7	8.5	16.6	30.5	10.2	0.3	10.1	6.3	107.6	*	1.3
29-Nov-24	8.5	8.5	96.9	50.0	0.8	9.9	28.8	73.0	12.5	0.6	8.7	16.3	32.9	9.9	0.3	9.9	8.3	100.8	*	1.3
30-Nov-24	8.4	8.4	86.3	38.0	0.7	9.8	25.0	13.8	23.9	0.6	6.7	9.1	24.5	10.3	0.3	9.9	35.2	85.1	*	0.9

**Remarks:** \* Due to Analyser problem data not received.

For Moxie Power Generation Limited





# MOXIE POWER GENERATION LIMITED

2 X 600 MW THERMAL POWER PLANT

## STACK EMISSION MONITORING REPORT

Daily Average from 01.11.2024 to 30.11.2024

Date	UNIT-1			UNIT-2					
	PM (50 mg/m3)	SO2 (200 mg/m3)	Nox (450 mg/m3)	PM (50 mg/m3)	SO2 (200 mg/m3)	Nox (450 mg/m3)			
1-Nov-24	43	162	57	Unit not in operation					
2-Nov-24	43	167	31						
3-Nov-24	42	142	40						
4-Nov-24	43	98	41						
5-Nov-24	51	152	140						
6-Nov-24	46	124	327				38	132	84
7-Nov-24	Unit not in operation			43	151	113			
8-Nov-24				44	111	66			
9-Nov-24	39	81	63	Unit not in operation					
10-Nov-24	Unit not in operation						40	125	37
11-Nov-24									
12-Nov-24									
13-Nov-24	44	115	136	Unit not in operation					
14-Nov-24	48	177	151						
15-Nov-24	51	160	159						
16-Nov-24	48	114	132						
17-Nov-24	51	222	145						
18-Nov-24	47	165	136						
19-Nov-24	45	136	110						
20-Nov-24	42	149	118						
21-Nov-24	41	154	117						
22-Nov-24	35	156	108						
23-Nov-24	36	156	106						
24-Nov-24	Unit not in operation						30	130	65
25-Nov-24							35	151	81
26-Nov-24				35	159	95			
27-Nov-24				37	169	101			
28-Nov-24				49	67	102			
29-Nov-24				43	91	88			
30-Nov-24									
Remarks:	* Nil								

For Moxie Power Generation Limited

MK Parameswaran  
Station Head



**MOXIE POWER GENERATION LIMITED**  
 2 X 600 MW THERMAL POWER PLANT  
**CONTINUOUS EFFLUENT MONITORING SYSTEM REPORT**  
 Daily Average from 01.11.2024 to 30.11.2024

Date	ETP TREATED WATER QUALITY			STP - 1 (10 KLD)				STP - 2 (40 KLD)			
	Temp (40 °C)	TSS (100 mg/Lit)	pH (5.5 to 9)	pH (6.5 to 9)	TSS (30 mg/Lit)	COD	BOD (20 mg/Lit)	pH (6.5 to 9)	TSS (30 mg/Lit)	COD	BOD (20 mg/Lit)
1-Nov-24	24.2	18.4	6.0	STP Analyser's Connectivity not Established with TNPCB Server.				STP Analyser's Connectivity not Established with TNPCB Server.			
2-Nov-24	23.8	22.6	5.8								
3-Nov-24	23.0	19.2	6.6								
4-Nov-24	22.6	16.8	5.8								
5-Nov-24	23.6	20.5	5.7								
6-Nov-24	24.4	22.1	5.6								
7-Nov-24	24.3	10.3	6.3								
8-Nov-24	22.6	7.2	5.7								
9-Nov-24	23.8	8.3	5.6								
10-Nov-24	24.8	10.1	5.6								
11-Nov-24	25.1	12.3	5.6								
12-Nov-24	24.5	10.7	6.3								
13-Nov-24	24.3	6.7	5.8								
14-Nov-24	24.4	6.7	5.8								
15-Nov-24	21.8	6.8	6.0								
16-Nov-24	23.6	6.8	5.8								
17-Nov-24	23.3	6.8	5.6								
18-Nov-24	23.2	6.7	5.9								
19-Nov-24	21.5	7.0	5.7								
20-Nov-24	19.7	6.9	6.1								
21-Nov-24	21.1	6.9	6.7								
22-Nov-24	22.7	7.0	6.3								
23-Nov-24	22.5	7.4	5.8	8.1	24.3	0.2	0.1	6.3	2.3	0.2	0.1
24-Nov-24	*	*	*	7.3	13.6	0.2	0.1	5.8	14.2	0.2	0.1
25-Nov-24	*	*	*	8.1	6.3	1.1	0.5	6.3	13.2	0.2	0.1
26-Nov-24	*	*	*	8.5	16.8	0.6	0.1	7.4	17.2	0.2	0.1
27-Nov-24	20.2	7.0	7.5	7.4	3.9	0.4	0.2	6.7	12.4	0.2	0.2
28-Nov-24	22.2	6.9	7.5	7.3	7.9	0.2	0.1	6.2	2.6	0.2	0.1
29-Nov-24	22.7	7.0	7.8	6.8	12.5	0.3	0.2	7.8	26.1	0.4	0.2
30-Nov-24	24.0	7.2	8.7	7.2	15.6	36.1	21.4	8.1	22.0	1.6	0.8
Remarks:	* Due to Network communication Issue data not received.										

For Moxie Power Generation Limited

*MK Parameswaran*  
 MK Parameswaran  
 Station Head





# MOXIE POWER GENERATION LIMITED

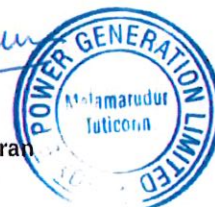
2 X 600 MW THERMAL POWER PLANT

DAILY EFFLUENT DISCHARGE FROM 01.11.2024 to 30.11.2024

DATE	ETP TREATED WATER (m3)	STP-1 TREATED WATER (m3)	STP-2 TREATED WATER (m3)
1-Nov-24	*	9.0	3.6
2-Nov-24	*	6.6	2.4
3-Nov-24	136.0	8.4	3.6
4-Nov-24	*	9.0	3.6
5-Nov-24	*	8.4	3.6
6-Nov-24	*	9.0	3.6
7-Nov-24	67.0	6.0	3.6
8-Nov-24	*	9.0	3.6
9-Nov-24	*	7.8	3.6
10-Nov-24	*	8.4	2.4
11-Nov-24	*	7.8	3.6
12-Nov-24	104.0	9.0	3.6
13-Nov-24	83.0	9.0	3.6
14-Nov-24	*	6.0	3.6
15-Nov-24	72.0	9.0	3.6
16-Nov-24	121.0	7.8	3.6
17-Nov-24	*	8.4	2.4
18-Nov-24	*	7.8	3.6
19-Nov-24	*	9.0	3.6
20-Nov-24	28.0	7.8	3.6
21-Nov-24	*	9.0	3.6
22-Nov-24	*	9.0	3.6
23-Nov-24	*	9.6	3.6
24-Nov-24	83.0	8.4	2.4
25-Nov-24	*	0.0	3.6
26-Nov-24	*	3.7	2.2
27-Nov-24	*	6.4	1.2
28-Nov-24	*	7.8	1.9
29-Nov-24	105.0	4.1	4.0
30-Nov-24	*	2.9	1.8
Remarks:	* No Effluent Generation.		

For Moxie Power Generation Limited

  
MK Parameswaran  
Station Head



# MOXIE POWER GENERATION LIMITED

## 2 X 600 MW THERMAL POWER PLANT

SEA WATER INTAKE & OUTFALL TEMPERATURE DIFFERENCE FROM 01.11.2024 TO 30.11.2024

Date	Sea Water Intake	Sea Water Outfall	Difference
1-Nov-24	30.1	33	2.9
2-Nov-24	30.1	32.7	2.6
3-Nov-24	30.1	32	1.9
4-Nov-24	30	32.4	2.4
5-Nov-24	30	32.7	2.7
6-Nov-24	29.9	32.7	2.8
7-Nov-24	29.9	33	3.1
8-Nov-24	29.7	32	2.3
9-Nov-24	29.4	31.7	2.3
10-Nov-24	29.3	32.6	3.3
11-Nov-24	29.2	32.8	3.6
12-Nov-24	29.3	32.4	3.1
13-Nov-24	29.4	32.4	3.0
14-Nov-24	29.4	32.6	3.2
15-Nov-24	29.3	31.4	2.1
16-Nov-24	29.2	31.8	2.6
17-Nov-24	29.2	32.2	3.0
18-Nov-24	29.3	32	2.7
19-Nov-24	29.1	30.8	1.7
20-Nov-24	28.6	30.3	1.7
21-Nov-24	28.1	30.7	2.6
22-Nov-24	28.2	31.4	3.2
23-Nov-24	28.4	31.5	3.1
24-Nov-24	28.4	31.1	2.7
25-Nov-24	28.3	30.9	2.6
26-Nov-24	28	30.9	2.9
27-Nov-24	27.7	30.7	3.0
28-Nov-24	28.1	31.6	3.5
29-Nov-24	28.1	31.7	3.6
30-Nov-24	28.7	32.3	3.6
Remarks:	Temperature difference of sea water intake and outfall temperature were with in the prescribed Limit of 5°C.		

For Moxie Power Generation Limited


MK Parameswaran  
Station Head