



**COASTAL ENERGEN PVT. LTD**

Melamarudur Village, Ottapidaram Taluk, Tuticorin – 628 105, Tamil Nadu.  
Tel: 0461-2950628 www.coastalenergen.com

ENERGEN/ENV/TNPCB/2021-22/23

07.09.2021

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 for the period of 01.08.2021 to 31.08.2021.

This is for your kind information and records.

Thanking You,

Yours faithfully,

**For Coastal Energen Pvt Ltd**

**P. Sundararajan**

**Senior General Manager**



**Copy to: 1. Joint Chief Environmental Engineer (M), TNPCB, Tirunelveli**

**2. District Environmental Engineer, TNPCB, Tuticorin**





**COASTAL ENERGEN PRIVATE LIMITED**  
 2 X 600 MW MUTIARA THERMAL POWER PLANT  
 CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Daily Average from 01.08.2021 to 31.08.2021

Date	STATION-1 (Near Main Office)				STATION-2 (Near CHP)				STATION-3 (Near Ash Pond)				STATION-4 (Sea Water Pump House)							
	SO2	NOX	PM10	PM2.5	CO	SO2	NOX	PM10	PM2.5	CO	SO2	NOX	PM10	PM2.5	CO	SO2	NOX	PM10	PM2.5	CO
NAAQM STANDARD	80 µg/m³	80 µg/m³	100 µg/m³	60 µg/m³	02 mg/m³	80 µg/m³	80 µg/m³	100 µg/m³	60 µg/m³	02 mg/m³	80 µg/m³	80 µg/m³	100 µg/m³	60 µg/m³	02 mg/m³	80 µg/m³	80 µg/m³	100 µg/m³	60 µg/m³	02 mg/m³
1-Aug-21	*	*	*	*	*	8.7	4.3	34.6	8.8	0.6	6.7	3.0	81.5	22.7	0.7	3.8	4.8	17.9	14.0	#
2-Aug-21	7.4	#	28.5	9.4	0.3	8.6	4.3	31.1	8.0	0.6	6.6	3.2	72.0	21.3	0.7	4.3	5.4	24.7	12.7	#
3-Aug-21	7.8	#	21.2	6.8	0.3	8.6	4.3	29.5	8.5	0.6	6.4	3.1	63.3	20.2	0.7	4.2	5.8	25.7	14.9	#
4-Aug-21	7.9	#	17.6	5.7	0.3	8.6	4.3	25.7	6.9	0.6	6.3	3.0	53.5	18.7	0.7	4.4	6.1	21.8	11.0	#
5-Aug-21	7.9	#	35.8	5.7	0.3	8.6	4.3	29.3	5.8	0.6	6.3	2.8	62.9	19.3	0.8	4.8	7.2	23.7	11.0	#
6-Aug-21	7.8	#	19.8	6.1	0.3	8.6	4.3	28.3	4.8	0.6	6.1	2.8	66.4	19.0	0.8	3.5	6.4	23.5	13.2	#
7-Aug-21	7.7	#	16.8	6.4	0.4	8.6	4.3	24.0	7.5	0.6	6.8	4.1	79.6	19.1	0.8	3.6	6.6	20.8	11.8	#
8-Aug-21	7.8	#	20.1	9.9	0.4	9.1	4.3	38.4	8.6	0.6	6.8	4.2	74.6	18.2	0.8	2.8	6.4	26.8	13.2	#
9-Aug-21	8.4	#	21.5	8.5	0.4	9.0	4.3	29.6	8.9	0.6	6.8	3.7	51.6	20.2	0.8	1.9	4.7	22.1	12.0	#
10-Aug-21	7.9	#	17.3	7.7	0.4	8.7	4.3	12.6	6.7	0.6	6.5	3.9	39.8	16.7	0.9	1.7	5.0	20.2	14.9	#
11-Aug-21	7.9	#	43.3	14.0	0.4	9.0	4.2	20.3	16.8	0.6	6.9	4.1	67.9	25.7	0.9	2.3	5.1	36.9	19.2	#
12-Aug-21	7.6	#	29.1	12.0	0.4	8.7	4.3	14.5	12.8	0.6	7.3	4.6	#	21.7	0.9	4.3	5.4	35.7	14.4	#
13-Aug-21	7.6	#	38.3	14.4	0.4	8.6	4.3	20.2	14.0	0.6	6.8	4.1	24.2	27.5	0.9	3.7	4.8	44.7	17.4	#
14-Aug-21	7.7	#	32.1	11.4	0.4	8.6	4.3	15.1	10.0	0.6	7.2	4.8	#	21.5	0.9	4.5	5.8	35.0	15.8	#
15-Aug-21	7.7	#	34.8	14.8	0.5	8.6	4.2	17.7	14.4	0.6	7.3	5.0	#	19.8	0.9	4.1	4.7	39.0	17.6	#
16-Aug-21	7.8	8.8	31.0	12.9	0.5	8.6	4.3	16.9	13.3	0.6	7.3	4.8	#	20.7	0.9	3.8	4.9	33.4	16.0	#
17-Aug-21	8.0	12.1	30.5	13.3	0.5	9.0	4.3	15.5	12.2	0.6	7.1	4.6	#	16.5	0.8	3.5	6.0	34.2	20.8	#
18-Aug-21	7.7	11.8	17.2	6.9	0.5	8.7	4.3	6.9	7.1	0.6	6.8	4.3	#	#	0.8	3.1	5.6	24.1	12.7	#
19-Aug-21	7.7	11.2	18.7	6.1	0.5	8.7	4.3	8.2	5.8	0.6	5.7	4.1	#	#	0.7	5.5	6.7	23.1	18.2	#
20-Aug-21	7.8	13.3	28.5	10.4	0.5	8.8	4.3	#	14.5	0.7	6.1	4.5	#	#	0.7	4.6	5.2	32.9	11.7	#
21-Aug-21	7.7	10.7	24.4	14.4	0.5	8.8	4.3	#	15.1	0.7	6.1	4.3	#	#	0.7	4.2	5.0	25.3	19.2	#
22-Aug-21	7.7	15.6	30.0	16.2	0.5	8.7	4.3	#	17.2	0.7	*	*	*	*	*	4.6	5.1	35.5	17.0	#
23-Aug-21	7.6	19.8	45.0	19.5	0.5	8.7	4.3	#	14.7	0.7	6.7	4.4	#	2.9	0.7	3.3	6.5	43.6	22.8	#
24-Aug-21	7.6	19.8	48.1	16.7	0.5	9.2	4.3	#	15.5	0.7	6.8	4.7	26.6	2.9	0.6	2.4	7.2	59.4	28.1	#
25-Aug-21	9.3	15.7	41.1	15.2	0.5	10.7	4.3	#	15.4	0.7	6.4	3.9	35.1	2.9	0.5	2.0	6.4	42.1	23.0	#
26-Aug-21	8.0	12.6	15.5	5.0	0.5	9.0	4.3	#	9.4	0.7	6.2	3.6	27.7	6.7	0.4	2.1	6.3	29.9	14.8	#
27-Aug-21	7.8	12.3	10.8	2.0	0.5	8.7	4.3	3.2	4.5	0.6	6.2	3.1	16.4	6.4	0.4	2.3	5.3	16.7	14.8	#
28-Aug-21	7.7	11.7	10.2	3.7	0.5	8.7	4.3	7.9	6.8	0.6	6.3	2.7	19.4	6.8	0.4	2.5	4.2	10.8	14.7	#
29-Aug-21	7.8	9.9	8.1	3.3	0.5	8.7	4.3	6.4	5.8	0.6	6.3	5.9	22.9	5.6	0.4	1.8	4.3	14.6	15.4	#
30-Aug-21	7.7	8.7	15.6	6.3	0.5	8.7	4.3	5.5	7.1	0.6	6.3	2.6	20.3	6.1	0.5	3.7	4.6	14.0	19.0	#
31-Aug-21	7.8	10.2	19.7	9.3	0.6	8.8	4.3	13.4	9.5	0.7	6.7	3.0	31.1	8.8	0.5	2.4	4.9	25.5	22.2	#

\* Internet Problem, # Analyser Problem

Remarks:



# COASTAL ENERGEN PRIVATE LIMITED

2 X 600 MW MUTIARA THERMAL POWER PLANT  
METROLOGICAL STATION REPORT

Daily Average from 01.08.2021 to 31.08.2021

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-Aug-21	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-Aug-21	29.3	37.5	33.1	1036	1040	1038	South West (52.31) & South (46.24)	1.2	3.0	1.6	31.8	59.1	46.0	0
3-Aug-21	27.8	37.0	31.4	1037	1040	1039	South West (62.29) & South (32.64)	1.2	3.0	1.3	35.1	65.6	52.3	0
4-Aug-21	27.8	37.5	31.5	1037	1040	1039	South West (48.75) & South (38.33)	1.2	3.7	1.4	34.9	66.8	54.4	0
5-Aug-21	27.7	37.2	31.4	1036	1039	1038	South (49.65) & South West (49.61)	1.2	4.2	1.6	35.5	65.8	53.9	0
6-Aug-21	27.7	38.0	31.5	1035	1038	1037	South West (53.96) & South (36.32)	1.2	3.9	1.4	34.4	66.8	54.3	0
7-Aug-21	25.9	36.9	30.8	1035	1039	1037	South West (49.44) & South (30.21)	1.2	1.9	1.3	38.7	85.7	59.6	1
8-Aug-21	25.6	36.0	30.9	1036	1039	1038	South West (41.18) & East (20.63)	1.2	7.5	1.6	43.0	81.5	61.0	0
9-Aug-21	27.1	35.7	31.2	1036	1039	1038	South West (37.5) & South (25.49)	1.2	14.3	3.5	41.3	65.7	56.2	0
10-Aug-21	27.7	37.6	31.1	1036	1039	1038	South West (44.38) & South (26.18)	1.2	9.2	2.6	34.9	68.3	56.2	0
11-Aug-21	27.7	35.7	30.6	1037	1039	1038	South West (30.49) & East (25.21)	1.2	2.4	1.3	39.4	81.9	59.2	0
12-Aug-21	26.8	36.0	30.7	1037	1040	1038	South West (46.04) & South (12.99)	1.2	1.5	1.2	38.8	72.6	56.7	0
13-Aug-21	26.4	36.2	30.3	1036	1039	1038	South West (45.49) & South (28.82)	1.2	1.8	1.3	37.4	68.6	57.6	0
14-Aug-21	26.8	36.5	30.7	1035	1038	1037	South West (63.06) & South (26.81)	1.2	7.2	1.5	37.5	67.9	52.8	0
15-Aug-21	25.4	35.4	30.2	1035	1038	1037	South West (40.83) & South (21.53)	1.2	1.5	1.2	37.0	70.5	57.2	0
16-Aug-21	25.4	35.5	30	1036	1039	1037	South West (34.1) & East (24.38)	1.2	3.2	1.3	38.9	75.2	60.1	0.5
17-Aug-21	26.0	36.6	30.8	1036	1039	1038	South West (36.07) & West (27.24)	1.2	6.2	1.6	38.2	75.5	57.4	0
18-Aug-21	27.9	35.3	30.5	1036	1039	1038	South (59.65) & South West (35.4)	1.2	2.8	1.4	41.3	65.9	56.2	0
19-Aug-21	27.6	36.9	31.5	1035	1038	1037	South (54.65) & South West (43.4)	1.2	6.9	1.8	35.2	64.7	50.4	0
20-Aug-21	25.7	35.1	30.1	1035	1038	1037	East (43.33) & West (16.11)	1.2	16.2	1.9	44.4	78.3	62.7	0
21-Aug-21	27.3	34.3	29.5	1037	1040	1038	North West (28.19) & West (24.44)	1.2	2.0	1.3	48.1	83.0	67.2	0
22-Aug-21	26.5	32.2	28.4	1037	1040	1038	East (26.25) & North East (22.5)	1.2	1.3	1.2	61.5	91.9	77.5	1.5
23-Aug-21	24.4	34.5	28.5	1036	1040	1038	West (30.28) & East (18.33)	1.2	11.6	1.7	54.0	93.4	75.5	0
24-Aug-21	24.1	35.2	29.5	1036	1040	1038	South East (47.36) & South (21.88)	1.2	20.5	3.3	45.5	87.2	67.4	0
25-Aug-21	23.4	35.6	29.9	1035	1039	1037	South East (37.36) & South (30.76)	1.2	23.6	3.2	43.0	86.7	64.5	0
26-Aug-21	25.6	36.3	30.7	1034	1038	1036	South (40.56) & South West (29.79)	1.2	2.1	1.3	39.4	76.5	59.1	0
27-Aug-21	28.1	35.0	30.9	1035	1037	1036	South West (52.64) & East (43.68)	1.2	10.6	2.1	42.2	69.7	56.0	0
28-Aug-21	25.8	33.3	29.5	1034	1037	1036	South West (36.53) & North West (25.87)	1.2	17.3	2.6	45.1	75.1	60.1	0
29-Aug-21	26.8	33.3	29.2	1035	1037	1036	North West (52.15) & West (39.31)	1.2	9.2	1.8	40.4	70.7	58.9	0
30-Aug-21	26.8	34.3	29.8	1035	1037	1036	West (51.25) & North West (43.75)	1.2	3.5	1.4	42.9	70.1	58.0	0
31-Aug-21	26.6	36.5	31	1035	1038	1036	West (44.79) & North West (21.32)	1.2	1.8	1.2	37.5	71.0	57.7	0

Problem in Wind Speed Sensor

\* Internet problem

3.0 mm.

Total Rainfall for the month

Remarks:



# COASTAL ENERGEN PRIVATE LIMITED

2 X 600 MW MUTIARA THERMAL POWER PLANT

## STACK EMISSION MONITORING REPORT

Daily Average from 01.08.2021 to 31.08.2021

Date	UNIT-1			UNIT-2		
	SPM (mg/m3)	SO2 (mg/m3)	Nox (mg/m3)	SPM (mg/m3)	SO2 (mg/m3)	Nox (mg/m3)
1-Aug-21	Unit not in Operation			Unit not in Operation		
2-Aug-21						
3-Aug-21	39	130	228			
4-Aug-21	37	119	206			
5-Aug-21	*	119	192			
6-Aug-21	31	129	186			
7-Aug-21	32	160	183			
8-Aug-21	32	148	193			
9-Aug-21	28	142	231			
10-Aug-21	29	108	136			
11-Aug-21	32	99	128			
12-Aug-21	34	84	129			
13-Aug-21	41	97	100			
14-Aug-21	30	80	150			
15-Aug-21	Unit not in Operation					
16-Aug-21						
17-Aug-21	42	127	71			
18-Aug-21	39	235	152			
19-Aug-21	37	236	212			
20-Aug-21	44	143	174			
21-Aug-21	43	135	233			
22-Aug-21	40	132	247			
23-Aug-21	40	135	205			
24-Aug-21	Unit not in Operation					
25-Aug-21						
26-Aug-21						
27-Aug-21						
28-Aug-21						
29-Aug-21						
30-Aug-21						
31-Aug-21						
Remarks:	* SPM Analyser problem					



**COASTAL ENERGEN PRIVATE LIMITED**  
**2 X 600 MW MUTIARA THERMAL POWER PLANT**  
**CONTINUOUS EFFLUENT MONITORING SYSTEM REPORT**

Daily Average from 01.08.2021 to 31.08.2021

Date	SEA WATER OUTFALL	ETP TREATED WATER OUTLET		
	Temperature(°C)	Temperature(°C)	TSS (mg/Lit)	pH
1-Aug-21	30	27.9	7.4	8.5
2-Aug-21	30	28.1	10.2	8.5
3-Aug-21	30	28.5	12.8	8.5
4-Aug-21	31	28.1	12.8	8.5
5-Aug-21	31	*	*	*
6-Aug-21	31	27.4	4.5	8.5
7-Aug-21	31	27.5	4.7	8.5
8-Aug-21	31	28.0	4.8	8.5
9-Aug-21	31	27.6	7.1	8.5
10-Aug-21	31	28.5	4.6	8.5
11-Aug-21	31	27.9	4.8	8.5
12-Aug-21	31	27.7	9.0	8.5
13-Aug-21	31	27.6	9.7	8.5
14-Aug-21	31	28.0	10.1	8.4
15-Aug-21	30	27.6	10.6	8.4
16-Aug-21	30	26.4	7.3	8.3
17-Aug-21	31	27.4	7.0	8.2
18-Aug-21	31	27.3	8.7	8.3
19-Aug-21	31	28.3	9.0	8.2
20-Aug-21	31	27.4	9.3	8.2
21-Aug-21	31	27.3	10.5	8.1
22-Aug-21	31	25.9	13.4	7.8
23-Aug-21	31	25.9	9.9	7.7
24-Aug-21	30	26.4	4.4	7.5
25-Aug-21	30	27.3	4.4	7.7
26-Aug-21	30	27.6	4.7	7.8
27-Aug-21	30	27.9	6.8	8.3
28-Aug-21	30	26.9	8.6	8.2
29-Aug-21	30	26.7	8.8	8.2
30-Aug-21	30	26.8	9.2	8.3
31-Aug-21	30	27.4	10.0	8.3
<b>Remarks:</b>	* Internet Problem			



# COASTAL ENERGEN PRIVATE LIMITED

2 X 600 MW MUTIARA THERMAL POWER PLANT

DAILY EFFLUENT DISCHARGE FROM 01.08.2021 TO 31.08.2021

DATE	ETP TREATED WATER (m3)	STP-1 TREATED WATER (m3)	STP-2 TREATED WATER (m3)
1-Aug-21	73	6.0	*
2-Aug-21	106	9.0	*
3-Aug-21	#	9.0	*
4-Aug-21	#	9.0	*
5-Aug-21	97	9.0	*
6-Aug-21	#	9.0	*
7-Aug-21	#	9.0	*
8-Aug-21	#	6.0	*
9-Aug-21	60	9.0	*
10-Aug-21	#	9.0	3.6
11-Aug-21	#	9.0	3.6
12-Aug-21	#	9.0	3.6
13-Aug-21	#	9.0	3.6
14-Aug-21	#	9.0	3.6
15-Aug-21	#	6.0	*
16-Aug-21	77	9.0	3.6
17-Aug-21	#	9.0	3.6
18-Aug-21	7	9.0	3.6
19-Aug-21	#	9.0	3.6
20-Aug-21	#	4.2	3.6
21-Aug-21	#	9.0	3.6
22-Aug-21	#	6.0	3.6
23-Aug-21	#	9.0	3.6
24-Aug-21	#	9.0	3.6
25-Aug-21	#	9.0	3.6
26-Aug-21	#	9.0	3.6
27-Aug-21	85	9.0	3.6
28-Aug-21	#	9.0	3.6
29-Aug-21	#	6.0	2.4
30-Aug-21	#	9.0	3.6
31-Aug-21	185	9.0	3.6
Remarks:	# No Effluent generation, * No Sewage generation		