

Periodical Monitoring Report

Ambient Air Monitoring Report

Sampling Locations- Near Bromine, Plant/Near ETP.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	PM ₁₀	µg/m ³	100	67	70	71	69.33333333
2	PM _{2.5}	µg/m ³	60	25	18	23	22
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	8.44	10.36	11.28	10.02666667
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	13.10	16.10	15.54	14.91333333
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	3.39	3.33	2.70	3.14

N.D.- Not Detectable

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	PM ₁₀	µg/m ³	100	64	78	75	72.33333
2	PM _{2.5}	µg/m ³	60	23	21	24	22.66667
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	9.40	9.49	10.41	9.766667
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	15.31	11.79	13.39	13.49667
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	5.35	5.26	4.63	5.08

N.D.- Not Detectable

Stack Air Monitoring Report

Sampling Locations- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	Particulate Matter	mg/Nm ³	150	54	56	54	54.66666667
2	Sulphur Dioxide (SO ₂)	ppm	100	21.47	10.07	15.98	15.84
4	Oxides of Nitrogen (NO _x)	ppm	50	9.09	21.62	18.38	16.36333333

N.D.- Not Detectable

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	Particulate Matter	mg/Nm ³	100	33	22	24	26.33333333
2	Sulphur Dioxide (SO ₂)	ppm	100	16.69	12.56	15.23	14.82666667
4	Oxides of Nitrogen (NO _x)	ppm	50	10.36	16.70	14.71	13.92333333

N.D.- Not Detectable

Sampling Locations- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	HBr	mg/Nm ³	5	N.D.	N.D.	N.D.	N.D.
2	Br ₂	mg/Nm ³	N.A.	N.D.	N.D.	N.D.	N.D.

N.D.- Not Detectable

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Sampling Locations- Bromine Plant Bottling Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	HBr	mg/Nm ³	5	N.D.	N.D.	N.D.	N.D.

N.D.- Not Detectable

Sampling Locations- Chlorine Charging Station.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	HBr	mg/Nm ³	5	N.D.	N.D.	N.D.	N.D.

N.D.- Not Detectable

Effluent Analysis and Monitoring Report

Sampling Locations- ETP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	pH		6.5-8.5	7.64	7.51	6.58	7.243333333
2	Temperature	°C	40	28	30	27.8	28.6
3	Colour	Pt-CO	100	20	25	10	18.33333333
4	Suspended solids	mg./L	100	17	26	13	18.66666667
5	Oil & grease	mg./L	10	<1.0	<1.0	<1.0	<1.0
6	Ammonical nitrogen	mg./L	50	<0.1	<0.1	<0.1	<0.1

Sampling Locations- STP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-19	May-19	Jun-19	Avg.
1	pH		6.5-8.5	7.21	7.01	7.66	7.293333333
2	Suspended solids	mg./L	30	12	18	7	12.33333333
3	BOD	mg./L	20	10	15	13	12.66666667
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 (Minimum)	4.43	5.67	2.9	4.333333333

Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results (Day Time Monitoring)			
				Apr-19	May-19	Jun-19	Avg.
1	Near Power Plant	dba	Day Time- 75dba, Night Time-75dba	68.9	70.4	72.2	70.5
2	Near Bromine Plant	dba	Day Time- 75dba, Night Time-75dba	73.4	71.3	69.3	71.33333333
3	Near R.O/D.M. Plant	dba	Day Time- 75dba, Night Time-75dba	72.9	69.8	69.4	70.7
4	Near ETP	dba	Day Time- 75dba, Night Time-75dba	69.9	66.7	71.8	69.46666667
5	ADM Office	dba	Day Time- 75dba, Night Time-75dba	66.4	66.3	70.9	67.86666667

Note : Sampling, monitoring and analysis conducted by M/S. Kadam Environmental Consultants.
