

## Periodical Monitoring Report

### Ambient Air Monitoring Report

Sampling Locations- Near Bromine, Plant/Near ETP.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	PM <sub>10</sub>	µg/m <sup>3</sup>	100	66	70	66	67.33
2	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	25	25	21	23.67
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	18.3	7.5	8.6	11.47
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	12.7	16.6	15.1	14.8
5	Br <sub>2</sub>	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl <sub>2</sub>	µg/m <sup>3</sup>	100	10.43	2.8	2.4	5.21

N.D.- Not Detectable

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	PM <sub>10</sub>	µg/m <sup>3</sup>	100	71	65	65	67
2	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	28	28	24	26.67
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	16.6	7.8	9	11.13
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	13.8	12.3	13.8	13.3
5	Br <sub>2</sub>	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl <sub>2</sub>	µg/m <sup>3</sup>	100	11.64	3.2	2.9	5.91

N.D.- Not Detectable

**Stack Air Monitoring Report**

Sampling Locations- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	Particulate Matter	mg/Nm <sup>3</sup>	150	59	64	59	60.67
2	Sulphur Dioxide (SO <sub>2</sub> )	ppm	100	20.5	23.2	22.7	22.13
4	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	50	12.79	13.51	15.16	13.82

N.D.- Not Detectable

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	Particulate Matter	mg/Nm <sup>3</sup>	100	12	17	21	16.67
2	Sulphur Dioxide (SO <sub>2</sub> )	ppm	100	26.6	25.4	27.1	26.37
4	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	50	14.97	12.24	13.39	13.53

N.D.- Not Detectable

Sampling Locations- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	HBr	mg/Nm <sup>3</sup>	5	N.D.	N.D.	N.D.	N.D.
2	Br <sub>2</sub>	mg/Nm <sup>3</sup>	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-17	May-17	Jun-17	Avg.
1	HBr	mg/Nm <sup>3</sup>	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-17	May-17	Jun-17	Avg.
1	HBr	mg/Nm <sup>3</sup>	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-17	May-17	Jun-17	Avg.
1	pH		6.5-8.5	6.59	6.88	6.47	6.65
2	Temperature	°C	40	33	31	28	30.67
3	Colour	Pt-CO	100	5	5	5	5
4	Suspended solids	mg./L	100	77	69	74	73.33
5	Oil & grease	mg./L	10	<1	<1	<1	<1
6	Ammonical nitrogen	mg./L	50	<0.1	<0.1	<0.1	<0.1

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## Sampling Locations- STP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Apr-17	May-17	Jun-17	Avg.
1	pH		6.5-8.5	7.88	7.93	7.53	7.78
2	Suspended solids	mg./L	30	25	12	18	18.33
3	BOD	mg./L	20	5	6	5	5.33
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Ammonical nitrogen	mg./L	0.5 ( Minimum)	0.89	1.33	0.89	1.04

## Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results ( Day Time Monitoring)			
				Apr-17	May-17	Jun-17	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	72.4	70.3	69.8	70.83
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	69.6	68.9	63.7	67.4
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	64.6	69.2	62.4	65.4
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	60.2	67.6	61.6	63.13
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	54.6	62.1	59.4	58.7

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

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