

Periodical Monitoring Report

Ambient Air Monitoring Report

Sampling Locations- Near Bromine, Plant/Near ETP.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	Avg.
1	PM ₁₀	µg/m ³	100	49	37	44	43.33
2	PM _{2.5}	µg/m ³	60	14	12	18	14.67
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	17.62	17.7	15.8	17.04
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	15.28	16.8	13.8	15.29
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	13.48	14.87	11.33	13.23

N.D.- Not Detectable

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	Avg.
1	PM ₁₀	µg/m ³	100	52	43	39	44.67
2	PM _{2.5}	µg/m ³	60	18	19	21	19.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	15.53	16.2	18.6	16.77
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	16.11	15.9	16.2	16.07
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	11.56	12.07	13.87	12.5

N.D.- Not Detectable

Stack Air Monitoring Report

Sampling Locations- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	Avg.
1	Particulate Matter	mg/Nm ³	150	44	39	43	42
2	Sulphur Dioxide (SO ₂)	ppm	100	26.68	28.37	25	26.68
4	Oxides of Nitrogen (NO _x)	ppm	50	12.09	12.92	13.01	12.67

N.D.- Not Detectable

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	Avg.
1	Particulate Matter	mg/Nm ³	100	29	34	37	35.5
2	Sulphur Dioxide (SO ₂)	ppm	100	32.53	31.14	28.41	29.775
4	Oxides of Nitrogen (NO _x)	ppm	50	13.89	14.35	15.08	14.715

N.D.- Not Detectable

Sampling Locations- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	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			
				Jan-17	Feb-17	Mar-17	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			
				Jan-17	Feb-17	Mar-17	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			
				Jan-17	Feb-17	Mar-17	Avg.
1	pH		6.5-8.5	7.1	7.07	6.83	7
2	Temperature	^o C	40	28	27	31	28.67
3	Colour	Pt-CO	100	20	18	18	18.67
4	Suspended solids	mg./L	100	37	32	81	50
5	Oil & grease	mg./L	10	<1.5	<1.5	<1.5	<1.5
6	Ammonical nitrogen	mg./L	50	<0.01	<0.01	<0.1	<0.01

Sampling Locations- STP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-17	Feb-17	Mar-17	Avg.
1	pH		6.5-8.5	8.02	8.31	7.62	7.98
2	Suspended solids	mg./L	30	22	21	12	18.33
3	BOD	mg./L	20	16	14	6	12
4	Oil & grease	mg./L	N.A.	<1.5	<1.5	<1.5	<1.5
5	Ammonical nitrogen	mg./L	0.5 (Minimum)	3.55	4.87	1.33	3.25

Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results (Day Time Monitoring)			
				Jan-17	Feb-17	Mar-17	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	64.3	69.8	72.9	69
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	62.3	68.7	71	67.33
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	59.7	67.9	70.5	66.03
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	56.3	64.2	69.3	63.27
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	54.1	60.1	57.8	57.33

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