

Periodical Monitoring Report

Ambient Air Monitoring Report

Sampling Locations- Near Bromine, Plant/Near ETP.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-19	Avg.
1	PM ₁₀	µg/m ³	100	74	70	64	69.33
2	PM _{2.5}	µg/m ³	60	25	28	25	26
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	7.38	10.74	7.67	8.59
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	14.04	16.69	13.94	14.89
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	2.32	5.17	4.28	3.92

N.D.- Not Detectable

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-19	Avg.
1	PM ₁₀	µg/m ³	100	67	75	69	70.33
2	PM _{2.5}	µg/m ³	60	23	27	26	25.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	9.20	12.08	9.40	10.23
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	16.32	15.82	14.04	15.39
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	3.21	3.03	6.24	4.16

N.D.- Not Detectable

Stack Air Monitoring Report

Sampling Locations- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-19	Avg.
1	Particulate Matter	mg/Nm ³	150	35	53	54	47.33
2	Sulphur Dioxide (SO ₂)	ppm	100	34.28	26.91	24.40	28.53
4	Oxides of Nitrogen (NO _x)	ppm	50	8.19	7.60	9.19	8.33

N.D.- Not Detectable

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-19	Avg.
1	Particulate Matter	mg/Nm ³	100	44	31	32	35.67
2	Sulphur Dioxide (SO ₂)	ppm	100	28.39	24.97	19.61	24.32
4	Oxides of Nitrogen (NO _x)	ppm	50	10.29	9.91	9.49	9.89

N.D.- Not Detectable

Sampling Locations- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-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			
				Jan-19	Feb-19	Mar-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			
				Jan-19	Feb-19	Mar-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			
				Jan-19	Feb-19	Mar-19	Avg.
1	pH		6.5-8.5	7.14	7.15	7.14	7.14
2	Temperature	°C	40	28	28	28	28
3	Colour	Pt-CO	100	20	30	25	25
4	Suspended solids	mg./L	100	20	27	23	23.33
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

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Sampling Locations- STP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				Jan-19	Feb-19	Mar-19	Avg.
1	pH		6.5-8.5	7.21	7.21	7.15	7.19
2	Suspended solids	mg./L	30	12	18	15	15
3	BOD	mg./L	20	7	9	11	9
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 (Minimum)	5.32	4.61	3.72	4.55

Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results (Day Time Monitoring)			
				Jan-19	Feb-19	Mar-19	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	67.8	71.3	74.5	71.2
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	66.7	68.2	74.7	69.86
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	63.0	70.8	73.1	68.96
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	62.7	62.2	60.8	61.9
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	61.0	66.7	65.3	64.33

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