



ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

Ambient Air Monitoring Report

Sampling Locations- Near Bromine, Plant/Near ETP.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	Avg.
1	PM ₁₀	µg/m ³	100	53	63	70	62
2	PM _{2.5}	µg/m ³	60	20	27	29	25.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	7.51	7.13	7.77	7.47
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	16.61	16.02	18.11	16.91
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	3.16	1.58	4.73	3.15

N.D.- Not Detectable



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

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Ambient Air Monitoring Report

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	Avg.
1	PM ₁₀	µg/m ³	100	61	70	79	70
2	PM _{2.5}	µg/m ³	60	27	32	20	26.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	6.90	6.04	8.03	6.99
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	17.21	18.01	16.87	17.36
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	2.37	3.55	2.76	2.89

N.D.- Not Detectable



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

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Stack Air Monitoring Report

Sampling Locations- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October -18	November-18	December-18	Avg.
1	Particulate Matter	mg/Nm ³	150	39	22	40	33.66
2	Sulphur Dioxide (SO ₂)	ppm	100	29.78	31.28	38.46	33.17
4	Oxides of Nitrogen (NO _x)	ppm	50	9.32	4.09	7.43	6.94

N.D.- Not Detectable



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

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Stack Air Monitoring Report

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October -18	November -18	December-18	Avg.
1	Particulate Matter	mg/Nm ³	100	42	46	53	47
2	Sulphur Dioxide (SO ₂)	ppm	100	33.54	28.95	31.97	31.48
4	Oxides of Nitrogen (NO _x)	ppm	50	11.27	8.54	9.42	9.74

N.D.- Not Detectable



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

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Stack Air Monitoring Report

Sampling Locations- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	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



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

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Stack Air Monitoring Report

Sampling Locations- Bromine Plant Bottling Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	Avg.
1	HBr	mg/Nm ³	5	N.D.	N.D.	N.D.	N.D.

N.D.- Not Detectable



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

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Stack Air Monitoring Report

Sampling Locations- Chlorine Charging Station.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				October- 18	November -18	December-18	Avg.
1	HBr	mg/Nm ³	5	N.D.	N.D.	N.D.	N.D.

N.D.- Not Detectable

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



ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

Effluent Analysis and Monitoring Report

Sampling Locations- ETP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	Avg.
1	pH		6.5-8.5	7.88	6.87	7.08	7.27
2	Temperature	^o C	40	28.6	28.1	28.3	28.33
3	Colour	Pt-CO	100	15	20	25	20
4	Suspended solids	mg./L	100	40	11	23	24.66
5	Oil & grease	mg./L	10	<1	<1	<1	<1
6	Ammonical nitrogen	mg./L	50	<0.1	<0.1	<0.1	<0.1

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



ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

Effluent Analysis and Monitoring Report

Sampling Locations- STP Outlet.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				October-18	November-18	December-18	Avg.
1	pH		6.5-8.5	7.37	7.49	7.12	7.326667
2	Suspended solids	mg./L	30	12	17	18	15.66667
3	BOD	mg./L	20	6	5	9	6.666667
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 (Minimum)	14.89	4.43	11.70	10.34

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

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Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results (Day Time Monitoring)			
				October-18	November-18	December-18	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	74.2	73.7	73.4	73.76
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	67.1	73.8	74.2	71.7
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	63.4	71.1	71.8	68.76
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	64.3	62.4	74.2	66.96
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	59.6	56.3	70.8	62.23

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