



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			
				April -18	May-18	June-18	Avg.
1	PM ₁₀	µg/m ³	100	61	71	59	63.66
2	PM _{2.5}	µg/m ³	60	16	24	18	19.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	10.42	7.40	8.31	8.71
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	16.32	15.66	16.81	16.26
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	5.53	4.46	4.73	4.90

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			
				April -18	May-18	June-18	Avg.
1	PM ₁₀	µg/m ³	100	46	82	73	67
2	PM _{2.5}	µg/m ³	60	22	29	25	25.33
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	9.17	9.48	9.59	9.41
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	18.81	19.62	18.80	19.07
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	6.07	3.57	2.28	3.97

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			
				April - 18	May-18	June-18	Avg.
1	Particulate Matter	mg/Nm ³	150	31	78	76	61.66
2	Sulphur Dioxide (SO ₂)	ppm	100	22.59	27.82	31.14	27.18
4	Oxides of Nitrogen (NO _x)	ppm	50	8.75	9.76	7.69	8.73



N.D.- Not Detectable

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

ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

Stack Air Monitoring Report

Sampling Locations- Power Plant.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				April - 18	May-18	June-18	Avg.
1	Particulate Matter	mg/Nm ³	100	46	40	81	55.66
2	Sulphur Dioxide (SO ₂)	ppm	100	26.32	20.06	24.80	23.72
4	Oxides of Nitrogen (NO _x)	ppm	50	13.55	10.02	14.78	12.78



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			
				April - 18	May-18	June-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			
				April - 18	May-18	June-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			
				April -18	May-18	June-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/SPC B norms.	Results			
				April -18	May-18	June-18	Avg.
1	pH		6.5-8.5	8.44	6..83	6.66	7.55
2	Temperature	^o C	40	29	31	29	29.66
3	Colour	Pt-CO	100	15	10	10	11.66
4	Suspended solids	mg./L	100	20	20	18	19.33
5	Oil & grease	mg./L	10	<1	<1	<1	<1
6	Ammonical nitrogen	mg./L	50	<0.1	<0.1	<0.1	<0.1

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/SPC B norms.	Results			
				April -18	May-18	June-18	Avg.
1	pH		6.5-8.5	8.04	6.91	8.48	7.81
2	Suspended solids	mg./L	30	10	11	<2	10.5
3	BOD	mg./L	20	12	13	8	11
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 (Minimum)	1.33	3.8	2.8	2.64

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



ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

Noise Level Monitoring Report

Sr. No.	Locations	Unit (SI)	Specification/SPCB norms.	Results (Day Time Monitoring)			
				April -18	May-18	June-18	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	69.8	68.7	69.9	69.46
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	67.6	67.8	68.2	67.86
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	66.8	58.4	69.1	64.76
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	62.3	53.7	64.9	60.3
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	59.1	54	50.1	54.4

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