



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			
				July-18	August-18	September-18	Avg.
1	PM ₁₀	µg/m ³	100	60	55	48	54.33
2	PM _{2.5}	µg/m ³	60	20	27	18	21.66
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	6.01	7.77	8.63	7.47
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	17.50	15.05	15.48	16.01
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	3.33	2.76	4.38	3.49

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			
				July-18	August-18	September-18	Avg.
1	PM ₁₀	µg/m ³	100	71	67	53	63.66
2	PM _{2.5}	µg/m ³	60	18	23	21	20.66
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	8.05	8.63	6.65	7.77
4	Oxides of Nitrogen (NO _x)	µg/m ³	80	13.85	17.51	16.88	16.08
5	Br ₂	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl ₂	µg/m ³	100	1.40	4.34	3.16	2.96

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			
				July-18	August-18	September-18	Avg.
1	Particulate Matter	mg/Nm ³	150	44	39	34	39
2	Sulphur Dioxide (SO ₂)	ppm	100	26.59	32.29	26.91	28.59
4	Oxides of Nitrogen (NO _x)	ppm	50	9.61	10.68	12.69	10.99

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			
				July-18	August-18	September-18	Avg.
1	Particulate Matter	mg/Nm ³	100	69	54	47	56.66
2	Sulphur Dioxide (SO ₂)	ppm	100	22.60	25.77	30.38	26.25
4	Oxides of Nitrogen (NO _x)	ppm	50	10.57	14.79	10.42	11.92

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			
				July-18	August-18	September-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			
				July-18	August-18	September-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			
				July-18	August-18	September-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			
				July-18	August-18	September-18	Avg.
1	pH		6.5-8.5	6.75	6.75	8.45	7.31
2	Temperature	^o C	40	28	28	28.8	28.26
3	Colour	Pt-CO	100	10	10	10	10
4	Suspended solids	mg./L	100	128	70	36	64.66
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			
				July-18	August-18	September-18	Avg.
1	pH		6.5-8.5	7.23	7.60	6.69	7.17
2	Suspended solids	mg./L	30	4	14	18	12
3	BOD	mg./L	20	2	8	11	7
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 (Minimum)	2.10	10.64	8.86	7.2

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)			
				July-18	August-18	September-18	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	73	65.8	69.3	69.36
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	69.4	63.4	65	65.93
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	68	64.6	60.3	64.3
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	67.4	63.9	60.2	63.83
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	60.3	60.1	56.9	

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