



# 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			
				January-18	February-18	March-18	Avg.
1	PM <sub>10</sub>	µg/m <sup>3</sup>	100	69	59	65	64.33
2	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	26	26	28	26.66
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	8.62	7.76	8.88	8.42
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	15.02	17.52	17.91	16.81
5	Br <sub>2</sub>	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl <sub>2</sub>	µg/m <sup>3</sup>	100	4.27	5.35	4.10	4.57

N.D.- Not Detectable

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



## ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

### Ambient Air Monitoring Report

Sampling Locations-Near D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				January-18	February-18	March-18	Avg.
1	PM <sub>10</sub>	µg/m <sup>3</sup>	100	51	72	76	66.33
2	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	22	30	31	27.66
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	11.71	9.87	10.86	10.81
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	13.19	18.18	19.27	16.88
5	Br <sub>2</sub>	ppm	0.1	N.D.	N.D.	N.D.	N.D.
6	Cl <sub>2</sub>	µg/m <sup>3</sup>	100	3.74	7.31	6.42	5.82

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- D.G.Set.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				January-18	February-18	March-18	Avg.
1	Particulate Matter	mg/Nm <sup>3</sup>	150	62	89	73	74.66
2	Sulphur Dioxide (SO <sub>2</sub> )	ppm	100	16.06	21.93	28.39	22.12
4	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	50	10.73	8.59	14.40	11.24

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			
				January-18	February-18	March-18	Avg.
1	Particulate Matter	mg/Nm <sup>3</sup>	100	31	46	33	36.66
2	Sulphur Dioxide (SO <sub>2</sub> )	ppm	100	42.84	38.57	32.11	37.84
4	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	50	9.08	13.26	17.40	13.24

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- Bromine Plant Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				January-18	February-18	March-18	Avg.
1	HBr	mg/Nm <sup>3</sup>	5	N.D.	N.D.	N.D.	N.D.
2	Br <sub>2</sub>	mg/Nm <sup>3</sup>	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.



## ARCHEAN CHEMICAL INDUSTRIES PRIVATE LIMITED

### Stack Air Monitoring Report

Sampling Locations- Bromine Plant Bottling Scrubber.

Sr. No.	Parameters	Unit (SI)	Specification/SPCB norms.	Results			
				January-18	February-18	March-18	Avg.
1	HBr	mg/Nm <sup>3</sup>	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

### Stack Air Monitoring Report

Sampling Locations- Chlorine Charging Station.

Sr. No.	Parameters	Unit (SI)	Specification/ SPCB norms.	Results			
				January- 18	February- 18	March-18	Avg.
1	HBr	mg/Nm <sup>3</sup>	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			
				January-18	February-18	March-18	Avg.
1	pH		6.5-8.5	7.03	7.20	7.44	7.22
2	Temperature	°C	40	27	28	29	28
3	Colour	Pt-CO	100	10	10	10	10
4	Suspended solids	mg./L	100	21	13	13	15.66
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

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			
				January-18	February-18	March-18	Avg.
1	pH		6.5-8.5	7.35	7.2	7.72	7.423333
2	Suspended solids	mg./L	30	19	10	26	18.33333
3	BOD	mg./L	20	8	5	6	6.333333
4	Oil & grease	mg./L	N.A.	<1	<1	<1	<1
5	Residual Chlorine	mg./L	0.5 ( Minimum)	8.51	42.54	9.31	20.12

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)			
				January-18	February-18	March-18	Avg.
1	Near Power Plant	dBA	Day Time- 75dBA, Night Time-75dBA	65.2	69.9	69.3	68.13333
2	Near Bromine Plant	dBA	Day Time- 75dBA, Night Time-75dBA	70.2	68.8	67.4	68.8
3	Near R.O/D.M. Plant	dBA	Day Time- 75dBA, Night Time-75dBA	66.3	68.6	68	67.63333
4	Near ETP	dBA	Day Time- 75dBA, Night Time-75dBA	63.4	64.6	69	65.66667
5	ADM Office	dBA	Day Time- 75dBA, Night Time-75dBA	59.2	59.2	60.4	59.6

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