

GRASIM INDUSTRIES LIMITED
UNIT : INDIAN RAYON
VERAVAL.
STACK MONITORING REPORT

Month : NOVEMBER - 2018

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H2SO4	05-11-2018 0.71	22-11-2018 0.99
		Acid Mist	mg/Nm ³	12.3	14.4
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	05-11-2018 0.75	22-11-2018 0.77
		Acid Mist	mg/Nm ³	32.8	8.4
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	10-11-2018 58.4	26-11-2018 56.1
		SOX	PPM	86.0	67.0
		NOX	PPM	2.9	3.2
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	27-11-2018 40.9	
		SOX	PPM	167.0	
		NOX	PPM	3.1	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	28-11-2018 48.3	
		SOX	PPM	177.0	
		NOX	PPM	2.4	
6	Coal Crushing Unit	SPM	mg/Nm ³	14-11-2018 62.3	
7	Rayon Process Stack (a) Old	CS2 Emission	Kg/ton of yarn	09-11-2018 180.1	24-11-2018 147.8
		H2S Emission	mg/Nm ³	22.2	20.8
	(b) New	CS2 Emission	Kg/ton of yarn	09-11-2018 198.0	24-11-2018 173.3
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-11-2018 0.186	29-11-2018 0.200
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-11-2018 7.30	29-11-2018 4.85
		Chlorine	mg/Nm ³	0.380	0.510

BDL = Below detectable limit

**GRASIM INDUSTRIES LIMITED
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Month : DECEMBER - 2018

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H2SO4	03-12-2018 0.41	28-12-2018 0.85
		Acid Mist	mg/Nm ³	20.0	8.4
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	03-12-2018 Under Annual shutdown	28-12-2018 0.60
		Acid Mist	mg/Nm ³		24.5
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	10-12-2018 44.5	24-12-2018 41.5
		SOX	PPM	95.0	86.0
		NOX	PPM	3.1	2.5
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	27-12-2018 42.1	
		SOX	PPM	163.0	
		NOX	PPM	3.6	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	26-12-2018 28.8	
		SOX	PPM	208.0	
		NOX	PPM	3.3	
6	Coal Crushing Unit	SPM	mg/Nm ³	15-12-2018 58.2	
7	Rayon Process Stack. (a) Old	CS2 Emission H2S Emission	Kg/ton of yarn mg/Nm ³	04-12-2018 110.2 23.6	25-12-2018 117.5 26.4
	(b) New	CS2 Emission	Kg/ton of yarn	04-12-2018 160.7	25-12-2018 134.7
8	Hypochlorite Stack.	Cl2	mg/Nm ³	14-12-2018 0.187	30-12-2018 0.188
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	14-12-2018 7.30	30-12-2018 5.03
		Chlorine	mg/Nm ³	0.360	0.480

BDL = Below detectable limit

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Month : JANUARY - 2019

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H2SO4	02-01-2019 0.78	23-01-2019 0.94
		Acid Mist	mg/Nm ³	20.0	18.4
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	02-01-2019 0.75	23-01-2019 0.49
		Acid Mist	mg/Nm ³	24.5	12.3
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	10-01-2019 61.8	28-01-2019 54.0
		SOX	PPM	88.0	70.0
		NOX	PPM	3.9	4.1
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	29-01-2019 83.5	
		SOX	PPM	163.0	
		NOX	PPM	4.5	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	29-01-2019 41.4	
		SOX	PPM	155.0	
		NOX	PPM	4.0	
6	Coal Crushing Unit	SPM	mg/Nm ³	11-01-2019 60.7	
7	Rayon Process Stack. (a) Old	CS2 Emission H2S Emission	Kg/ton of yarn mg/Nm ³	05-01-2019 150.6 22.2	30-01-2019 125.0 26.4
	(b) New	CS2 Emission	Kg/ton of yarn	05-01-2019 198.0	30-01-2019 150.0
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-01-2019 0.190	31-01-2019 0.185
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-01-2019 5.10	31-01-2019 4.90
		Chlorine	mg/Nm ³	0.380	0.350

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Month : FEBRUARY - 2019

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H2SO4	04-02-2019	Under
		Acid Mist	mg/Nm ³	0.86	Annual shutdown
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	04-02-2019	25-02-2019
		Acid Mist	mg/Nm ³	0.41	0.77
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	12-02-2019	25-02-2019
		SOX	PPM	37.5	51.5
		NOX	PPM	98.0	64.0
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	25-02-2019	
		SOX	PPM	61.8	
		NOX	PPM	190.0	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	25-02-2019	
		SOX	PPM	32.6	
		NOX	PPM	198.0	
6	Coal Crushing Unit	SPM	mg/Nm ³	12-02-2019	
7	(a) Old	CS2 Emission	Kg/ton of yarn	05-02-2019	27-02-2019
		H2S Emission	mg/Nm ³	191.3	147.8
	(b) New	CS2 Emission	Kg/ton of yarn	05-02-2019	27-02-2019
				22.2	20.8
8	Hypochlorite Stack.	Cl2	mg/Nm ³	14-02-2019	28-02-2019
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	0.450	0.380
		Chlorine	mg/Nm ³	14-02-2019	28-02-2019
				3.60	3.65
				0.960	0.510

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**GRASIM INDUSTRIES LIMITED
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Month : MARCH - 2019

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H2SO4	04-03-2019 0.94	20-03-2019 0.47
		Acid Mist	mg/Nm ³	24.5	36.8
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	04-03-2019 0.60	20-03-2019 0.24
		Acid Mist	mg/Nm ³	20.0	42.9
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	12-03-2019 71.9	26-03-2019 76.5
		SOX	PPM	70.0	80.0
		NOX	PPM	4.0	3.4
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	28-03-2019 36.9	
		SOX	PPM	164.0	
		NOX	PPM	3.9	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	20-03-2019 40.6	
		SOX	PPM	208.0	
		NOX	PPM	4.8	
6	Coal Crushing Unit	SPM	mg/Nm ³	14-03-2019 58.3	
7	Rayon Process Stack. (a) Old	CS2 Emission H2S Emission	Kg/ton of yarn mg/Nm ³	11-03-2019 142.8 23.6	26-03-2019 125.0 18.1
	(b) New	CS2 Emission	Kg/ton of yarn	11-03-2019 130.1	26-03-2019 134.7
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-03-2019 0.210	25-03-2019 0.189
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-03-2019 4.90	25-03-2019 5.02
		Chlorine	mg/Nm ³	0.470	0.390

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Month : APRIL - 2019

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO ₂	Kg/MT of 100 % H ₂ SO ₄	10-04-2019 0.40	30-04-2019 0.57
		Acid Mist	mg/Nm ³	12.2	38.8
2	Sulphuric Acid Plant. (SCSA)	SO ₂	Kg/MT of 100 % H ₂ SO ₄	10-04-2019 0.54	30-04-2019 0.25
		Acid Mist	mg/Nm ³	24.4	21.5
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	08-04-2019 82.6	26-04-2019 60.3
		SOX	PPM	82.0	74.0
		NOX	PPM	3.9	2.7
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	30-04-2019 38.5	
		SOX	PPM	156.0	
		NOX	PPM	5.3	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	25-04-2019 30.9	
		SOX	PPM	177.0	
		NOX	PPM	4.4	
6	Coal Crushing Unit	SPM	mg/Nm ³	18-04-2019 48.8	
7	Rayon Process Stack. (a) Old	CS ₂ Emission	Kg/ton of yarn	09-04-2019 157.7	26-04-2019 108.5
		H ₂ S Emission	Kg/ton of yarn	17.6	17.6
	(b) New	CS ₂ Emission	Kg/ton of yarn	09-04-2019 128.0	26-04-2019 127.1
		H ₂ S Emission	Kg/ton of yarn	21.3	21.3
8	Hypochlorite Stack.	Cl ₂	mg/Nm ³	09-04-2019 0.300	26-04-2019 0.210
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	09-04-2019 5.62	26-04-2019 4.88
		Chlorine	mg/Nm ³	0.520	0.490

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