

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

Month : May- 2017

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	5/4/2017 0.75	5/26/2017 0.35
		Acid Mist	mg/Nm ³	18.4	32.8
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	5/4/2017 0.53	5/26/2017 0.79
		Acid Mist	mg/Nm ³	12.3	24.5
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	5/10/2017 47.9	5/29/2017 68.5
		SOX	PPM	90.0	85.0
		NOX	PPM	4.4	4.0
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	5/24/2017 100.5	
		SOX	PPM	84.0	
		NOX	PPM	3.8	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	5/25/2017 38.0	
		SOX	PPM	90.0	
		NOX	PPM	2.8	
6	Coal Crushing Unit	SPM	mg/Nm ³	5/16/2017 60.6	
7	(a) Old	CS2 Emission	Kg/ton of fiber.	5/5/2017 206.9	5/24/2017 209.8
		H2S Emission	mg/Nm ³	26.4	25.0
	(b) New	CS2 Emission	Kg/ton of fiber.	5/5/2017 205.0	5/24/2017 162.7
		H2S Emission	mg/Nm ³	27.8	16.7
8	Hypochlorite Stack.	Cl2	mg/Nm ³	5/11/2017 0.196	5/26/2017 0.308
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	5/11/2017 3.96	5/26/2017 3.40
		Chlorine	mg/Nm ³	0.446	0.514

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Month : June - 2017

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result			
				Sampling Date	Sampling Date		
1	Sulphuric Acid Plant. (DCDA)	SO2 Acid Mist	Kg/MT of 100 % H2SO4 mg/Nm ³	14-06-2017	29-06-2017		
				0.76	0.94		
				20.0	32.8		
2	Sulphuric Acid Plant. (SCSA)	SO2 Acid Mist	Kg/MT of 100 % H2SO4 mg/Nm ³	14-06-2017	29-06-2017		
				0.77	0.64		
				24.5	8.4		
3	Boiler no. 4 (Coal fired)	SPM SOX NOX	mg/Nm ³ PPM PPM	13-06-2017	30-06-2017		
				72.5	80.2		
				91.0	76.0		
				3.2	2.9		
4	Old Power Plant (Boiler No. 1 & 2)	SPM SOX NOX	mg/Nm ³ PPM PPM	26-06-2017			
				73.0			
				86.0			
				4.2			
5	New Power Plant (Boiler No. 3)	SPM SOX NOX	mg/Nm ³ PPM PPM	26-06-2017			
				56.3			
				80.0			
				2.9			
6	Coal Crushing Unit	SPM	mg/Nm ³	13-06-2017			
7	(a) Old	CS2 Emission H2S Emission	Kg/ton of fiber. mg/Nm ³	06-06-2017	28-06-2017		
				183.4	191.9		
	(b) New	CS2 Emission H2S Emission	Kg/ton of fiber. mg/Nm ³	06-06-2017	28-06-2017	22.3	19.4
						205.4	173.3
						34.7	31.9
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-06-2017	24-06-2017		
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	15-06-2017	24-06-2017		
				2.80	3.14		
				0.448	0.420		

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Month : July - 2017

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2 Acid Mist	Kg/MT of 100 % H2SO4 mg/Nm ³	05-07-2017	26-07-2017
				0.53	0.78
				20.8	18.4
2	Sulphuric Acid Plant. (SCSA)	SO2 Acid Mist	Kg/MT of 100 % H2SO4 mg/Nm ³	05-07-2017	26-07-2017
				0.47	0.99
				24.5	12.3
3	Boiler no. 4 (Coal fired)	SPM SOX NOX	mg/Nm ³ PPM PPM	11-07-2017	27-07-2017
				69.3	86.7
				80.0	72.0
4	Old Power Plant (Boiler No. 1 & 2)	SPM SOX NOX	mg/Nm ³ PPM PPM	29-07-2017	
				60.4	
				88.4	
5	New Power Plant (Boiler No. 3)	SPM SOX NOX	mg/Nm ³ PPM PPM	29-07-2017	
				71.3	
				76.0	
6	Coal Crushing Unit	SPM	mg/Nm ³	18-07-2017	
				76.8	
7	Rayon Process Stack. (a) Old	CS2 Emission H2S Emission	Kg/ton of yarn mg/Nm ³	11-07-2017	26-07-2017
				203.9	206.9
	(b) New	CS2 Emission	Kg/ton of yarn	11-07-2017	26-07-2017
				27.8	30.6
				11-07-2017	26-07-2017
				198.0	160.7
8	Hypochlorite Stack.	Cl2	mg/Nm ³	08-07-2017	22-07-2017
				0.170	0.180
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	08-07-2017	22-07-2017
				3.60	3.20
				0.355	0.360

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Month : August - 2017

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	08-08-2017 0.75	25-08-2017 0.35
		Acid Mist	mg/Nm ³	24.5	12.3
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	08-08-2017 0.77	25-08-2017 0.64
		Acid Mist	mg/Nm ³	20.0	8.4
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	08-08-2017 90.6	24-08-2017 58.6
		SOX	PPM	82.0	70.0
		NOX	PPM	2.4	4.0
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	28-08-2017 82.0	
		SOX	PPM	89.0	
		NOX	PPM	3.0	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	28-08-2017 75.2	
		SOX	PPM	82.0	
		NOX	PPM	2.8	
6	Coal Crushing Unit	SPM	mg/Nm ³	22-08-2017 65.4	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	05-08-2017 209.8	28-08-2017 147.8
		H2S Emission	mg/Nm ³	12.5	34.7
	(b) New	CS2 Emission	Kg/ton of yarn	05-08-2017 205.0	28-08-2017 191.9
8	Hypochlorite Stack.	Cl2	mg/Nm ³	04-08-2017 0.196	19-08-2017 0.226
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	04-08-2017 3.60	19-08-2017 3.04
		Chlorine	mg/Nm ³	0.410	0.280

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Month : September - 2017

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	07-09-2017 0.45	28-09-2017 0.31
		Acid Mist	mg/Nm ³	36.8	14.4
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	07-09-2017 0.35	28-09-2017 0.47
		Acid Mist	mg/Nm ³	18.4	20.8
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	11-09-2017 47.4	30-09-2017 64.9
		SOX	PPM	98.0	72.0
		NOX	PPM	2.8	3.1
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	26-09-2017 60.6	
		SOX	PPM	85.0	
		NOX	PPM	2.6	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	26-09-2017 70.9	
		SOX	PPM	78.0	
		NOX	PPM	3.1	
6	Coal Crushing Unit	SPM	mg/Nm ³	23-09-2017 81.2	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	13-09-2017 203.9	29-09-2017 191.1
		H2S Emission	mg/Nm ³	26.4	31.9
	(b) New	CS2 Emission	Kg/ton of yarn	13-09-2017 198.0	29-09-2017 201.1
				16.7	31.9
8	Hypochlorite Stack.	Cl2	mg/Nm ³	06-09-2017 0.250	24-09-2017 0.186
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	06-09-2017 4.23	24-09-2017 3.65
		Chlorine	mg/Nm ³	0.389	0.356

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Month : October - 2017

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	06-10-2017	24-10-2017
		Acid Mist	mg/Nm ³	0.35	0.78
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	06-10-2017	24-10-2017
		Acid Mist	mg/Nm ³	0.35	0.77
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	10-10-2017	30-10-2017
		SOX	PPM	46.1	85.9
		NOX	PPM	92.0	80.0
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	16-10-2017	
		SOX	PPM	34.3	
		NOX	PPM	87.0	
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	18-10-2017	
		SOX	PPM	54.1	
		NOX	PPM	88.0	
6	Coal Crushing Unit	SPM	mg/Nm ³	14-10-2017	
				58.6	
7	(a) Old	CS2 Emission	Kg/ton of yarn	13-10-2017	27-10-2017
		H2S Emission	mg/Nm ³	206.9	150.6
	(b) New	CS2 Emission	Kg/ton of yarn	13-10-2017	27-10-2017
		H2S Emission	mg/Nm ³	205.0	173.3
8	Hypochlorite Stack.	Cl2	mg/Nm ³	14-10-2017	31-10-2017
				0.180	0.178
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	14-10-2017	31-10-2017
		Chlorine	mg/Nm ³	3.60	7.30
				0.350	0.380