

UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : NOVEMBER - 2020					
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	10-11-2020	23-11-2020
		Acid Mist	mg/Nm ³	0.40	0.79
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	PLANT IDLE SINCE LOCKDOWN	
		Acid Mist	mg/Nm ³		
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	PLANT IDLE SINCE LOCKDOWN	
		SOX	PPM		
4	Old Power Plant (Boiler No. 1 & 2)	NOX	PPM		
		SPM	mg/Nm ³	05-11-2020	26-11-2020
5	New Power Plant (Boiler No. 3)	SOX	PPM	52.4	34.0
		NOX	PPM	87.0	67.0
6	Coal Crushing Unit	SPM	mg/Nm ³	4.1	4.9
		SOX	PPM	58.6	58.6
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	08-11-2020	27-11-2020
	H2S Emission	Kg/ton of yarn	43.3	47.1	
8	Hypochlorite Stack.	Cl2	mg/Nm ³	78.0	58.0
		NOX	PPM	4.7	5.9
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	24-11-2020	
		Chlorine	mg/Nm ³	58.6	
10	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	09-11-2020	20-11-2020
		H2S Emission	Kg/ton of yarn	114.7	132.3
11	Rayon Process Stack. (b) New	CS2 Emission	Kg/ton of yarn	19.7	24.7
		H2S Emission	Kg/ton of yarn	130.4	157.0
12	Hypochlorite Stack.	Cl2	mg/Nm ³	20.6	20.6
		NOX	PPM	0.210	0.200
13	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	13-11-2020	27-11-2020
		Chlorine	mg/Nm ³	3.80	3.68
BDL = Below detectable limit					

UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : DECEMBER - 2020					
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	04-12-2020	22-12-2020
		Acid Mist	mg/Nm ³	0.25	0.34
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	PLANT IDLE SINCE LOCKDOWN	
		Acid Mist	mg/Nm ³	0.27	
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	22-12-2020	24.5
		SOX	PPM	61.4	61.4
4	Old Power Plant (Boiler No. 1 & 2)	NOX	PPM	07-12-2020	18-12-2020
		SPM	mg/Nm ³	59.40	66.20
5	New Power Plant (Boiler No. 3)	SOX	PPM	47.00	57.00
		NOX	PPM	4.0	4.9
6	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	06-12-2020	29-12-2020
		SOX	PPM	52.9	56.2
7	New Power Plant (Boiler No. 3)	NOX	PPM	65.0	72.0
		SPM	mg/Nm ³	4.7	5.1
8	Coal Crushing Unit	SPM	mg/Nm ³	08-12-2020	30-12-2020
		SOX	PPM	44.3	38.0
9	Coal Crushing Unit	NOX	PPM	76.0	67.0
		SPM	mg/Nm ³	5.3	4.5
10	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	22-12-2020	
		H2S Emission	Kg/ton of yarn	61.4	
11	Rayon Process Stack. (b) New	CS2 Emission	Kg/ton of yarn	04-12-2020	21-12-2020
		H2S Emission	Kg/ton of yarn	135.0	129.5
12	Hypochlorite Stack.	Cl2	mg/Nm ³	23.8	27.3
		NOX	PPM	0.198	0.210
13	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	16-12-2020	30-12-2020
		Chlorine	mg/Nm ³	3.98	4.20
BDL = Below detectable limit					

UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : JANUARY - 2021					
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	12-01-2021 0.52	22-01-2021 0.54
		Acid Mist	mg/Nm ³	36.8	30.6
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	12-01-2021 0.64	22-01-2021 0.67
		Acid Mist	mg/Nm ³	24.5	42.9
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	06-01-2021 85.5	23-01-2021 52.3
		SOX	PPM	64.0	58.0
		NOX	PPM	5.3	5.9
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	05-01-2021 51.3	15-01-2021 46.9
		SOX	PPM	68.0	66.0
		NOX	PPM	4.9	4.4
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	11-01-2021 36.9	23-01-2021 41.1
		SOX	PPM	79.0	84.0
		NOX	PPM	5.0	4.6
6	Coal Crushing Unit	SPM	mg/Nm ³	15-01-2021 74.2	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	07-01-2021 128.0	21-01-2021 129.5
		H2S Emission	Kg/ton of yarn	29.0	20.3
	(b) New	CS2 Emission	Kg/ton of yarn	07-01-2021 131.7	21-01-2021 140.4
		H2S Emission	Kg/ton of yarn	16.6	17.1
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-01-2021 0.200	27-01-2021 0.290
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-01-2021 4.65	27-01-2021 4.13
		Chlorine	mg/Nm ³	0.438	0.450

BDL = Below detectable limit

UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : February - 2021					
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	15-02-2021 0.44	26-02-2021 Under
		Acid Mist	mg/Nm ³	36.8	Annual shutdown
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	15-02-2021 0.40	26-02-2021 0.68
		Acid Mist	mg/Nm ³	24.5	42.9
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	12-02-2021 112.4	24-02-2021 120.6
		SOX	PPM	19.0	21.0
		NOX	PPM	5.1	4.9
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	16-02-2021 33.3	23-02-2021 47.1
		SOX	PPM	22.0	27.0
		NOX	PPM	4.4	4.1
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	19-02-2021 43.2	26-02-2021 37.2
		SOX	PPM	31.0	29.0
		NOX	PPM	3.6	4.2
6	Coal Crushing Unit	SPM	mg/Nm ³	27-02-2021 62.5	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	08-02-2021 111.5	22-02-2021 113.0
		H2S Emission	Kg/ton of yarn	27.3	23.9
	(b) New	CS2 Emission	Kg/ton of yarn	08-02-2021 147.8	22-02-2021 134.6
		H2S Emission	Kg/ton of yarn	21.8	17.1
8	Hypochlorite Stack.	Cl2	mg/Nm ³	12-02-2021 0.861	26-02-2021 0.420
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	12-02-2021 4.51	26-02-2021 3.85
		Chlorine	mg/Nm ³	0.800	0.510

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UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : March - 2021					
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	05-03-2021	20-03-2021
		Acid Mist	mg/Nm ³	Under Annual shutdown	0.57 32.8
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	05-03-2021	20-03-2021
		Acid Mist	mg/Nm ³	0.35 24.5	0.49 18.4
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	11-03-2021	17-03-2021
		SOX	PPM	100.2	69.9
		NOX	PPM	15.0 4.0	28.0 5.5
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	17-03-2021	27-03-2021
		SOX	PPM	39.2	40.6
		NOX	PPM	24.0 4.6	51.0 3.1
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	25-03-2021	27-03-2021
		SOX	PPM	32.7	28.1
		NOX	PPM	76.0 4.2	98.0 6.1
6	Coal Crushing Unit	SPM	mg/Nm ³	25-03-2021 75.1	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	05-03-2021	18-03-2021
		H2S Emission	Kg/ton of yarn	162.7 27.5	146.1 20.9
	(b) New	CS2 Emission	Kg/ton of yarn	05-03-2021	18-03-2021
		H2S Emission	Kg/ton of yarn	194.6 20.3	134.6 17.1
8	Hypochlorite Stack.	Cl2	mg/Nm ³	14-03-2021	05-03-2021
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	14-03-2021	05-03-2021
		Chlorine	mg/Nm ³	4.23 0.570	4.60 0.500

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UNIT : INDIAN RAYON VERAVAL STACK MONITORING REPORT					
Month : April - 2021					
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	14-04-2021	26-04-2021
		Acid Mist	mg/Nm ³	0.67 42.9	0.61 30.6
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H2SO4	14-04-2021	26-04-2021
		Acid Mist	mg/Nm ³	0.62 24.5	0.58 36.8
3	Boiler no. 4 (Coal fired)	SPM	mg/Nm ³	03-04-2021	16-04-2021
		SOX	PPM	94.6	104.7
		NOX	PPM	31.0 4.7	37.0 5.5
4	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	12-04-2021	30-04-2021
		SOX	PPM	47.3	28.1
		NOX	PPM	59.0 5.0	49.0 4.6
5	New Power Plant (Boiler No. 3)	SPM	mg/Nm ³	14-04-2021	30-04-2021
		SOX	PPM	40.7	34.3
		NOX	PPM	43.0 4.5	37.0 4.3
6	Coal Crushing Unit	SPM	mg/Nm ³	22-04-2021 69.4	
7	Rayon Process Stack. (a) Old	CS2 Emission	Kg/ton of yarn	06-04-2021	21-04-2021
		H2S Emission	Kg/ton of yarn	154.6 25.2	151.5 28.5
	(b) New	CS2 Emission	Kg/ton of yarn	06-04-2021	21-04-2021
		H2S Emission	Kg/ton of yarn	143.3 15.7	144.7 18.6
8	Hypochlorite Stack.	Cl2	mg/Nm ³	15-04-2021	28-04-2021
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-04-2021	28-04-2021
		Chlorine	mg/Nm ³	0.260 0.510	0.280 0.560

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