

AMBIENT AIR QUALITY MONITORING REPORT

[RESPIRABLE PARTICULATE MATTER <10.0 Micron]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	24 Hrs. Avg. 150 ug / m3														
Oct-19	37.7	26.0	32.0	36.6	23.8	31.5	36.6	23.4	28.2	39.3	23.3	30.6	37.7	24.5	29.3
Nov-19	40.2	27.9	34.5	54.5	31.2	38.1	47.4	24.4	29.8	39.6	21.9	29.6	51.5	20.9	32.2
Dec-19	43.5	25.6	34.2	41.6	31.2	36.7	35.6	27.7	31.3	37.1	29.9	34.4	36.8	26.9	32.3
Jan-20	40.1	30.8	35.0	47.9	29.8	37.1	41.6	24.4	34.1	39.8	24.5	31.6	47.5	24.4	35.3
Feb-20	46.2	31.2	35.7	45.5	29.8	38.5	41.5	30.8	34.7	36.6	29.7	33.3	41.9	25.8	34.1
Mar-20	42.5	31.9	36.5	45.5	34.5	40.2	40.9	32.5	36.4	41.2	30.5	36.9	43.3	31.2	39.4

[RESPIRABLE PARTICULATE MATTER <2.5 Micron]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	24 Hrs. Avg. 60 ug / m3														
Oct-19	26.5	19.7	22.1	27.4	18.7	22.7	27.4	15.7	21.0	27.7	17.6	22.2	26.8	14.9	20.4
Nov-19	26.6	19.8	22.7	28.7	22.8	24.8	26.6	17.4	21.4	28.7	17.9	21.7	27.4	15.9	21.1
Dec-19	27.5	19.9	23.2	28.6	22.2	25.4	26.1	17.9	22.2	25.6	20.9	23.7	29.4	16.9	23.5
Jan-20	26.7	20.8	23.5	26.7	20.8	23.8	26.9	20.2	23.3	28.9	19.8	23.1	24.7	18.9	21.6
Feb-20	28.8	20.9	24.7	31.8	21.6	26.0	26.6	20.6	23.0	26.2	19.8	23.2	25.8	20.2	22.8
Mar-20	28.8	23.3	25.5	36.6	24.2	27.7	27.4	21.6	24.8	27.7	23.4	25.4	29.7	22.9	25.4

[SULPHUR DI OXIDE]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	24 Hrs. Avg. 120 ug / m3														
Oct-19	4.5	3.9	4.2	4.4	3.6	3.9	4.3	3.4	3.8	5.7	2.6	3.6	5.2	2.9	3.8
Nov-19	4.9	3.2	3.9	4.4	2.9	3.9	4.5	3.0	3.7	3.9	2.9	3.5	6.7	3.3	4.3
Dec-19	5.3	3.2	3.9	4.2	2.9	3.5	4.2	2.9	3.6	5.4	2.9	3.8	5.4	2.9	4.0
Jan-20	4.6	3.2	4.0	4.8	2.9	4.2	5.1	3.2	4.0	4.7	2.8	3.7	5.3	3.4	4.2
Feb-20	4.5	3.7	4.1	4.8	3.2	4.1	4.5	3.2	4.0	5.5	3.2	4.4	5.3	3.5	4.2
Mar-20	4.6	3.3	4.0	6.3	3.2	4.4	6.1	3.1	4.3	5.5	3.5	4.3	6.4	3.4	4.3

[AMMONIA]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	24 Hrs. Avg. 400 ug / m3														
Oct-19	49.8	27.1	37.3	52.5	25.8	41.3	56.4	29.0	39.9	42.2	24.8	32.7	47.9	25.9	36.7
Nov-19	38.8	25.6	32.2	51.5	29.9	41.0	48.8	25.2	37.5	45.2	24.9	33.8	50.9	22.9	37.1
Dec-19	35.5	28.5	31.7	55.5	24.9	39.4	48.8	29.9	36.9	41.1	25.5	31.2	45.5	28.7	36.9
Jan-20	39.7	23.9	33.3	57.9	36.9	45.7	47.5	32.5	40.7	45.5	21.2	32.8	43.5	28.9	36.3
Feb-20	36.6	26.8	32.2	55.1	26.5	40.0	57.2	28.5	39.8	42.6	25.1	32.9	43.5	25.6	34.6
Mar-20	39.7	26.9	34.5	56.6	35.5	45.2	42.2	32.2	36.9	42.5	25.9	33.9	43.9	27.8	38.1

[OXIDES OF NITROGEN]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT															
Oct-19	6.9	4.8	5.6	6.2	4.2	4.9	6.6	4.2	5.5	6.6	3.8	5.3	6.4	3.7	5.0
Nov-19	6.7	3.9	5.2	8.8	3.6	5.3	6.4	4.2	5.0	6.6	3.4	4.8	7.9	3.8	5.4
Dec-19	6.7	4.9	6.0	7.2	4.5	5.4	6.7	5.2	6.3	6.7	5.4	6.0	7.9	4.8	5.7
Jan-20	6.8	4.5	5.6	6.4	3.6	5.0	7.4	4.9	5.8	6.7	4.2	5.8	7.2	3.9	5.5
Feb-20	6.5	4.5	5.5	6.8	4.1	5.5	6.2	3.4	4.9	6.5	4.5	5.8	6.5	3.9	5.6
Mar-20	6.4	4.4	5.4	7.6	3.4	5.3	6.6	3.8	4.9	7.1	4.8	5.7	7.2	4.2	5.6

[TOTAL FLUORIDE]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	ug / m3														
Oct-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nov-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dec-19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jan-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Feb-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[CARBON DIOXIDE]

MONTHS	STATION AT NORTH SIDE OF HOLDING POND			STATION AT LAB TECH			STATION AT SOUTH SIDE OF COOLING TOWER-II			STATION AT RAW WATER RESERVOIR			STATION IN COLONY		
	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
LIMIT	Hrs. Avg. %														
Oct-19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nov-19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dec-19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Jan-20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Feb-20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mar-20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Annexure-II

STACKS EMISSIONS MONITORING REPORT

MONTHS	STACK ATTACHED TO BALL MILLS		STACK ATTACHED TO REACTION MIXURE & DEN				STACK ATTACHED TO GSSP DRYER & COOLER-A		STACK ATTACHED TO GSSP DRYER & COOLER-B	
	PARTICULATE MATTER		PARTICULATE MATTER		FLUORIDE as F		PARTICULATE MATTER		PARTICULATE MATTER	
Standard as per RPCB	150 mg/Nm3		150 mg/Nm3		25 mg/Nm3		150 mg/Nm3		150 mg/Nm3	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Oct 2019 ~ March 2020	Plant Under Shutdown									

MONITORING DATA FROM ON LINE HF ANALYSER

Permissible Limits		Max. 25 mg/Nm3
		Observed Value
Oct 2019 ~ March 2020	Min.	Plant Under Shutdown
	Max.	