

## STACKS EMISSIONS MONITORING REPORTS

TABLE- 1

MONTHS	PRILLING TOWER (PHASE-I)						PRILLING TOWER (PHASE-II)					
	PARTICULATE MATTER			AMMONIA			PARTICULATE MATTER			AMMONIA		
Standard as per RPCB	50 mg/Nm3			175 mg/Nm3			50 mg/Nm3			175 mg/Nm3		
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	45.8	42.3	44.1	70.7	62.1	66.3	45.6	40.1	42.5	67.3	55.5	61.2
Nov-19	45.3	39.8	42.2	67.7	46.7	57.4	44.4	41.6	43.1	69.7	53.1	61.7
Dec-19	43.7	40.4	42.3	66.9	58.8	62.3	43.4	40.2	42.2	62.6	39.5	55.6
Jan-20	45.5	41.7	43.1	66.9	55.6	60.7	46.4	42.2	44.0	70.8	56.4	62.9
Feb-20	42.6	41.6	42.2	67.7	49.7	60.7	44.8	41.4	43.1	66.4	53.4	61.3
Mar-20	43.3	40.6	42.0	65.7	55.9	61.9	44.1	40.2	42.2	66.1	55.8	60.8

NOP: Not in operation.

MONTHS	AUXILIARY BOILER									HRSG BOILER					
	I			II			III			I			II		
Standard as per RPCB	NOx ppm			NOx ppm			NOx ppm			NOx ppm			NOx ppm		
	50 ppm			50 ppm			50 ppm			50 ppm			50 ppm		
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	44.4	41.8	42.8	43.9	40.8	42.5	36.5	32.2	34.1	46.6	45.1	45.6	46.5	46.5	46.5
Nov-19	45.5	40.7	43.9	43.3	41.8	42.5	39.8	34.2	36.6	45.1	42.5	44.2		NOP	
Dec-19	43.2	39.5	41.6	44.8	42.4	43.5	41.2	32.6	37.6	45.6	43.9	44.5		NOP	
Jan-20	44.1	41.2	43.0	41.9	40.5	41.5	38.8	31.2	34.9	46.2	43.6	45.0		NOP	
Feb-20	43.6	41.8	42.7	43.8	40.5	42.3	37.5	32.7	34.8	46.2	44.5	45.3		NOP	
Mar-20	43.3	40.1	42.1	42.5	40.8	41.9	35.6	35.5	35.5	45.5	44.2	45.0		NOP	

NOP: Not in operation.

MONTHS	AMM-I Primary Reformer			AMM-II Primary Reformer		
	NOx (ppm)			NOx (ppm)		
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	124.0	111.7	118.6	78.0	65.0	71.6
Nov-19	129.0	122.0	126.8	77.0	69.0	73.8
Dec-19	119.0	109.0	114.8	75.0	61.0	67.3
Jan-20	119.0	103.0	107.8	64.0	61.0	62.8
Feb-20	124.0	107.0	113.3	69.0	64.0	66.8
Mar-20	121.0	111.0	115.0	78.0	68.0	70.8

MONTHS	UPH Scrubber Screen House						UPH Scrubber Packing Plant-I						UPH Scrubber Packing Plant-II					
	Dust (mg/Nm3)			Ammonia (mg/Nm3)			Dust (mg/Nm3)			Ammonia (mg/Nm3)			Dust (mg/Nm3)			Ammonia (mg/Nm3)		
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	13.6	8.1	10.4	41.4	26.0	30.8	12.1	8.5	10.5	38.1	23.8	28.8		NOP			NOP	
Nov-19	11.8	9.2	10.5	33.1	23.7	27.5	14.2	9.9	11.8	32.1	27.4	29.2	12.8	8.1	11.1	26.1	16.6	21.4
Dec-19	14.5	10.1	12.1	34.3	20.1	28.9	15.7	9.3	12.9	39.8	29.7	34.8	13.3	7.7	10.1	33.2	27.3	30.5
Jan-20	13.6	8.4	10.5	34.3	26.0	30.5	12.3	10.7	11.8	38.1	33.3	35.4	15.3	8.1	11.2	38.0	32.2	34.9
Feb-20	12.5	8.7	10.8	34.3	28.4	30.5	13.0	10.5	11.5	38.1	29.7	33.6	12.9	10.7	12.1	34.4	26.1	31.2
Mar-20	14.5	9.9	12.4	33.1	24.9	28.6	14.6	9.9	11.7	35.7	27.4	32.6	11.5	7.3	8.9	33.2	7.3	28.5

NOP: Not in operation.

**AMBIENT AIR QUALITY MONITORING REPORT****[RESPIRABLE PARTICULATE MATTER <10.0 Micron]**

MONTH	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
<b>LIMIT</b>	<b>24 Hrs. Avg. 150 ug / m<sup>3</sup></b>														
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]**

MONTH	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
<b>LIMIT</b>	<b>24 Hrs. Avg. 60 ug / m<sup>3</sup></b>														
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]**

MONTH	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
<b>LIMIT</b>	<b>24 Hrs. Avg. 120 ug / m<sup>3</sup></b>														
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]**

MONTH	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
<b>LIMIT</b>	<b>24 Hrs. Avg. 400 ug / m<sup>3</sup></b>														
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]**

MONTH	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
<b>LIMIT</b>	<b>24 Hrs. Avg. 120 ug / m<sup>3</sup></b>														
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

**[CARBON MONO OXIDES]**

MONTH	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
<b>LIMIT</b>	<b>Hrs. Avg. 4000 ug / m<sup>3</sup></b>														
Oct-19	<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	<1.0
Nov-19	<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	<1.0
Dec-19	<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	<1.0
Jan-20	<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	<1.0
Feb-20	<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	<1.0
Mar-20	<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	<1.0

Note: HC (Hydrocarbon) Not detectable at all locations during Oct 2019 ~ March 2020

TABLE- 3

## ANALYSIS OF GROUND WATER (PEIZOMETER WELLS) AROUND GUARD POND

PEIZOMETER WELL NO. 1		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.3	5.9
Nov-19	7.1	5.6
Dec-19	7.2	6.3
Jan-20	6.9	7.2
Feb-20	7.1	7.4
Mar-20	7.5	7.2
<b>Max.</b>	<b>7.5</b>	<b>7.4</b>
<b>Min.</b>	<b>6.9</b>	<b>5.6</b>
<b>Avg.</b>	<b>7.2</b>	<b>6.6</b>

PEIZOMETER WELL NO. 5		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.4	6.4
Nov-19	7.3	6.1
Dec-19	7.3	5.4
Jan-20	7.3	5.8
Feb-20	7.6	4.3
Mar-20	7.1	6.4
<b>Max.</b>	<b>7.6</b>	<b>6.4</b>
<b>Min.</b>	<b>7.1</b>	<b>4.3</b>
<b>Avg.</b>	<b>7.3</b>	<b>5.7</b>

PEIZOMETER WELL NO. 2		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.5	4.7
Nov-19	7.3	4.5
Dec-19	7.5	5.9
Jan-20	7.6	6.4
Feb-20	7.4	6.8
Mar-20	7.4	6.4
<b>Max.</b>	<b>7.6</b>	<b>6.8</b>
<b>Min.</b>	<b>7.3</b>	<b>4.5</b>
<b>Avg.</b>	<b>7.5</b>	<b>5.8</b>

PEIZOMETER WELL NO. 6		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.2	4.9
Nov-19	7.1	4.6
Dec-19	7.2	5.3
Jan-20	7.2	5.9
Feb-20	7.1	5.0
Mar-20	7.3	5.9
<b>Max.</b>	<b>7.3</b>	<b>5.9</b>
<b>Min.</b>	<b>7.1</b>	<b>4.6</b>
<b>Avg.</b>	<b>7.2</b>	<b>5.3</b>

PEIZOMETER WELL NO. 3		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.6	6.9
Nov-19	7.4	6.5
Dec-19	7.6	7.1
Jan-20	7.3	5.8
Feb-20	7.2	5.0
Mar-20	7.2	5.8
<b>Max.</b>	<b>7.6</b>	<b>7.1</b>
<b>Min.</b>	<b>7.2</b>	<b>5.0</b>
<b>Avg.</b>	<b>7.4</b>	<b>6.2</b>

PEIZOMETER WELL NO. 7		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.2	5.9
Nov-19	6.9	6.4
Dec-19	7.4	6.8
Jan-20	7.3	7.1
Feb-20	7.2	7.4
Mar-20	7.1	6.4
<b>Max.</b>	<b>7.4</b>	<b>7.4</b>
<b>Min.</b>	<b>6.9</b>	<b>5.9</b>
<b>Avg.</b>	<b>7.2</b>	<b>6.7</b>

PEIZOMETER WELL NO. 4		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.2	7.5
Nov-19	7.2	7.1
Dec-19	7.2	6.9
Jan-20	7.2	3.9
Feb-20	7.2	5.8
Mar-20	7.3	4.8
<b>Max.</b>	<b>7.3</b>	<b>7.5</b>
<b>Min.</b>	<b>7.2</b>	<b>3.9</b>
<b>Avg.</b>	<b>7.2</b>	<b>6.0</b>

PEIZOMETER WELL NO. 8		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.3	6.3
Nov-19	7.2	5.3
Dec-19	7.3	5.5
Jan-20	7.3	6.4
Feb-20	7.3	6.0
Mar-20	7.3	6.4
<b>Max.</b>	<b>7.3</b>	<b>6.4</b>
<b>Min.</b>	<b>7.2</b>	<b>5.3</b>
<b>Avg.</b>	<b>7.3</b>	<b>6.0</b>

Note:- All values are in mg/l except pH.

**TABLE- 4**

**ANALYSIS OF GROUND WATER (PEIZOMETER WELLS) AROUND HOLDING POND**

PEIZOMETER WELL NO. 1		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	Dried	
Nov-19		
Dec-19	7.3	5.4
Jan-20	7.3	6.8
Feb-20	7.2	5.4
Mar-20	7.4	6.3
<b>Max.</b>	<b>7.4</b>	<b>6.8</b>
<b>Min.</b>	<b>7.2</b>	<b>5.4</b>
<b>Avg.</b>	<b>7.3</b>	<b>6.0</b>

PEIZOMETER WELL NO. 5		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.2	4.9
Nov-19	6.9	4.6
Dec-19	7.1	6.8
Jan-20	6.9	7.1
Feb-20	7.3	6.9
Mar-20	6.8	6.4
<b>Max.</b>	<b>7.3</b>	<b>7.1</b>
<b>Min.</b>	<b>6.8</b>	<b>4.6</b>
<b>Avg.</b>	<b>7.0</b>	<b>6.1</b>

PEIZOMETER WELL NO. 2		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	Dried	
Nov-19		
Dec-19		
Jan-20		
Feb-20		
Mar-20		
<b>Max.</b>		
<b>Min.</b>		
<b>Avg.</b>		

PEIZOMETER WELL NO. 6		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.5	5.9
Nov-19	7.1	5.6
Dec-19	7.6	4.5
Jan-20	7.3	5.5
Feb-20	7.4	6.4
Mar-20	7.3	5.8
<b>Max.</b>	<b>7.6</b>	<b>6.4</b>
<b>Min.</b>	<b>7.1</b>	<b>4.5</b>
<b>Avg.</b>	<b>7.4</b>	<b>5.6</b>

PEIZOMETER WELL NO. 3		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.3	6.2
Nov-19	7.2	5.9
Dec-19	7.2	5.6
Jan-20	7.4	4.8
Feb-20	7.2	6.3
Mar-20	7.2	5.8
<b>Max.</b>	<b>7.4</b>	<b>6.3</b>
<b>Min.</b>	<b>7.2</b>	<b>4.8</b>
<b>Avg.</b>	<b>7.3</b>	<b>5.8</b>

PEIZOMETER WELL NO. 7		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.0	6.5
Nov-19	7.4	6.2
Dec-19	7.1	6.8
Jan-20	7.4	6.4
Feb-20	7.2	4.9
Mar-20	7.4	7.2
<b>Max.</b>	<b>7.4</b>	<b>7.2</b>
<b>Min.</b>	<b>7.0</b>	<b>4.9</b>
<b>Avg.</b>	<b>7.3</b>	<b>6.4</b>

PEIZOMETER WELL NO. 4		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.4	5.7
Nov-19	7.3	5.4
Dec-19	7.5	4.9
Jan-20	7.2	5.9
Feb-20	7.1	5.3
Mar-20	7.2	6.8
<b>Max.</b>	<b>7.5</b>	<b>6.8</b>
<b>Min.</b>	<b>7.1</b>	<b>4.9</b>
<b>Avg.</b>	<b>7.3</b>	<b>5.7</b>

PEIZOMETER WELL NO. 8		
MONTH	PARAMETERS	
	pH	NO3 as N
Oct-19	7.1	4.9
Nov-19	7.2	4.6
Dec-19	7.2	7.2
Jan-20	7.4	6.4
Feb-20	7.2	4.9
Mar-20	7.4	7.2
<b>Max.</b>	<b>7.4</b>	<b>5.1</b>
<b>Min.</b>	<b>7.2</b>	<b>6.5</b>
<b>Avg.</b>	<b>7.3</b>	<b>5.7</b>

**Note:** All values are in mg/l except pH.

TABLE- 5

## ANALYSIS OF HOLDING POND

Parameters	pH			Total Kjeldahl Nitrogen (as N)			Ammonical Nitrogen (as N)			Free Ammonical Nitrogen			Nitrate Nitrogen			Phosphate as (P)			Zinc (as Zn)			Total Suspended Solid			Oil & Grease		
MINAS	6.5 - 8.5			75 mg/l			50 mg/l			2.0 mg/l			10 mg/l			5.0 mg/l			1.0 mg/l			100 mg/l			10 mg/l		
Months	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Oct-19	7.8	7.2	7.7	32.6	24.8	28.0	14.6	9.3	11.7	0.59	0.37	0.47	7.4	6.6	6.9	1.18	1.11	1.15	0.17	0.12	0.14	80.0	67.0	73.3	1.6	1.3	1.4
Nov-19	7.9	7.6	7.7	36.6	23.8	28.9	13.8	8.3	11.5	0.55	0.33	0.46	7.5	5.8	6.5	1.23	1.08	1.15	0.16	0.09	0.12	85.0	67.0	76.8	1.7	0.8	1.2
Dec-19	7.8	7.6	7.8	32.3	26.9	29.5	15.6	12.0	14.3	0.62	0.48	0.57	7.1	5.9	6.5	1.19	1.15	1.17	0.18	0.12	0.14	87.0	71.0	77.6	1.6	1.2	1.4
Jan-20	7.9	7.6	7.7	36.5	28.8	32.3	23.8	13.7	18.6	0.95	0.50	0.74	6.9	6.3	6.6	1.18	1.17	1.18	0.22	0.15	0.19	82.0	74.0	78.3	1.8	1.7	1.7
Feb-20	7.9	7.6	7.8	39.4	28.8	35.4	23.8	14.5	19.3	0.95	0.58	0.77	6.6	5.5	6.0	1.15	1.11	1.13	0.18	0.12	0.15	75.0	68.0	71.3	1.9	1.3	1.5
Mar-20	7.9	7.6	7.8	45.9	31.4	36.9	22.9	16.3	18.6	0.91	0.65	0.74	7.4	5.9	6.7	1.22	1.15	1.19	0.25	0.15	0.19	80.0	69.0	74.6	2.2	1.6	1.9

Remarks: Unit: mg/l except pH  
Heavy metals like Vanadium ,Arsenic, Chromium, Copper and Cyanide Below Detection Limit (BDL), Final treated effluent stored in open Holding Pond.

## SEWAGE TREATMENT PLANT - OLD

Parameters	pH			Oil & Grease			Total Residual Chlorine			Total Suspended Solid			Nitrate Nitrogen as N			Chemical Oxygen Demand			Biological Oxygen Demand			Colour & Odour		
Permissible Limits	5.5 - 9.0			10 mg/l			1.0 mg/l			100 mg/l			10 mg/l			250 mg/l			30 mg/l			All efforts should be made to remove colour & unpleasant odour as far as practicable		
Months	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Oct-19	7.8	7.1	7.3	6.2	3.5	4.3	0.5	0.2	0.3	43.0	36.0	38.0	4.9	3.5	4.0	26.5	23.7	25.0	8.2	6.9	7.7	Clear & Absent		
Nov-19	7.4	7.2	7.3	4.9	3.9	4.4	0.5	0.2	0.3	38.0	25.0	31.3	6.0	4.2	5.0	28.7	23.7	26.9	8.2	6.9	7.7	Clear & Absent		
Dec-19	7.6	7.2	7.3	4.9	3.6	4.0	0.5	0.2	0.3	36.0	26.0	31.0	7.4	4.3	5.6	31.5	26.2	27.6	8.2	7.3	7.7	Clear & Absent		
Jan-20	7.5	7.1	7.3	4.5	3.6	4.2	0.5	0.2	0.3	34.0	25.0	28.5	6.3	5.0	5.5	33.6	24.6	28.3	8.2	7.4	7.8	Clear & Absent		
Feb-20	7.5	7.1	7.3	4.5	3.2	4.0	0.5	0.2	0.4	36.0	26.0	29.3	6.8	3.9	5.1	34.5	21.9	27.6	8.2	7.4	7.8	Clear & Absent		
Mar-20	7.5	7.1	7.3	4.5	3.5	4.0	0.6	0.2	0.4	38.0	33.0	35.2	6.5	4.6	5.7	30.5	23.8	27.4	8.2	7.6	7.9	Clear & Absent		

Remark : Unit mg/l except PH, Bioassay test complied.

## SEWAGE TREATMENT PLANT - NEW

Parameters	pH			Oil & Grease			Total Residual Chlorine			Suspended Solid			Nitrate Nitrogen as N			COD			BOD			Colour & Odour		
Permissible Limits	5.5-9.0			10 mg/l			1.0 mg/l			100 mg/l			10 mg/l			250 mg/l			30 mg/l			All efforts should be made to remove colour & unpleasant odour as far as practicable		
Months	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Oct-19	7.8	7.1	7.3	6.2	3.5	4.3	0.5	0.2	0.3	43.0	36.0	38.0	4.9	3.5	4.0	26.5	23.7	25.0	8.2	6.9	7.7	Clear & Absent		
Nov-19	7.4	7.2	7.3	4.9	3.9	4.4	0.5	0.2	0.3	38.0	25.0	31.3	6.0	4.2	5.0	28.7	23.7	26.9	8.2	6.9	7.7	Clear & Absent		
Dec-19	7.6	7.2	7.3	4.9	3.6	4.0	0.5	0.2	0.3	36.0	26.0	31.0	7.4	4.3	5.6	31.5	26.2	27.6	8.2	7.3	7.7	Clear & Absent		
Jan-20	7.5	7.1	7.3	4.5	3.6	4.2	0.5	0.2	0.3	34.0	25.0	28.5	6.3	5.0	5.5	33.6	24.6	28.3	8.2	7.4	7.8	Clear & Absent		
Feb-20	7.5	7.1	7.3	4.5	3.2	4.0	0.5	0.2	0.4	36.0	26.0	29.3	6.8	3.9	5.1	34.5	21.9	27.6	8.2	7.4	7.8	Clear & Absent		
Mar-20	7.5	7.1	7.3	4.5	3.5	4.0	0.6	0.2	0.4	38.0	33.0	35.2	6.5	4.6	5.7	30.5	23.8	27.4	8.2	7.6	7.9	Clear & Absent		

Remark : Unit mg/l except PH, Bioassay test complied.

TABLE- 6

SURFACE AND GROUND WATER ANALYSIS REPORT - Oct 2019												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
West Direction												
5	Simaliya	7.5	1220	769	1050	410	640	157	67	510	6.1	ND
10	Polai Kalan	7.6	1410	888	752	190	562	180	58	500	5.2	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
North Direction												
5	Darbiji	7.4	1505	948	554	180	374	159	64	650	6.8	ND
10	Surela	7.7	1347	849	655	200	455	210	90	420	5.7	ND
West Direction												
5	Simaliya	7.8	1148	723	622	170	452	180	77	442	4.5	ND
10	Polai Kalan	7.5	1380	869	739	165	574	220	58	560	6.7	ND
South Direction												
5	Gurla	7.1	950	599	508	219	289	170	64	322	6.5	ND
10	Mandita	7.6	1180	743	440	180	260	159	52	274	3.8	ND
East Direction												
5	Palaitha	7.5	350	221	351	167	184	205	66	259	5.2	ND
10	Bamori	7.4	240	151	361	185	176	190	62	100	4.5	ND

ND: Not Detectable.

SURFACE AND GROUND WATER ANALYSIS REPORT - Nov 2019												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
West Direction												
5	Simaliya	7.8	1927	1214	880	320	560	160	64	650	5.4	ND
10	Polai Kalan	7.7	646	407	670	180	490	167	68	550	4.8	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
North Direction												
5	Darbiji	7.1	2170	1367	621	157	464	155	71	570	5.9	ND
10	Surela	7.6	1776	1119	750	160	590	180	88	380	6.8	ND
West Direction												
5	Simaliya	7.3	1380	869	740	140	600	164	54	410	5.9	ND
10	Polai Kalan	7.4	1780	1121	660	180	480	188	68	590	7.4	ND
South Direction												
5	Gurla	7.6	1075	677	431	205	226	157	71	360	6.2	ND
10	Mandita	7.7	1558	982	420	170	250	162	63	391	4.9	ND
East Direction												
5	Palaitha	7.2	750	472	330	150	180	180	84	267	6.7	ND
10	Bamori	7.4	680	428	400	160	240	170	62	144	4.9	ND

ND: Not Detectable.

SURFACE AND GROUND WATER ANALYSIS REPORT - Dec 2019												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
West Direction												
5	Simaliya	8.3	1460	920	450	202	248	112	52	650	5.4	ND
10	Polai Kalan	8.5	942	593	170	70	100	128	20	550	4.8	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO <sub>3</sub>	Ca as CaCO <sub>3</sub>	Mg as CaCO <sub>3</sub>	Talk as CaCO <sub>3</sub>	Cl as Cl	SO <sub>4</sub> as SO <sub>4</sub>	NO <sub>3</sub> as NO <sub>3</sub>	PO <sub>4</sub> as PO <sub>4</sub>
North Direction												
5	Darbiji	7.8	1890	1191	521	221	300	350	196	570	5.9	ND
10	Surela	8.4	1250	787	150	30	120	326	88	380	6.8	ND
West Direction												
5	Simaliya	7.6	1560	983	640	301	339	270	65	410	5.9	ND
10	Polai Kalan	7.9	1120	706	660	330	330	211	168	590	7.4	ND
South Direction												
5	Gurla	8.1	850	535	431	205	226	250	65	360	6.2	ND
10	Mandita	7.7	1558	982	529	210	319	362	63	391	4.0	ND
East Direction												
5	Palaitha	7.8	590	372	330	180	150	287	44	267	6.7	ND
10	Bamori	7.5	880	554	400	215	185	195	36	144	4.9	ND

ND: Not Detectable.

Note : 1. pH has no unit, Conductivity is expressed in micro mhos/cm &amp; others in mg/l.

TABLE- 7

SURFACE AND GROUND WATER ANALYSIS REPORT Jan 2020												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>West Direction</b>												
5	Simaliya	7.3	1560	983	680	244	436	160	78	775	5.4	ND
10	Polai Kalan	7.4	942	593	370	180	190	167	41	257	4.8	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>North Direction</b>												
5	Darbiji	7.1	2222	1399	621	220	401	155	95	760	5.9	ND
10	Surela	7.6	1621	1021	460	110	350	180	112	280	6.8	ND
<b>West Direction</b>												
5	Simaliya	7.3	1750	1103	570	240	330	164	54	544	5.9	ND
10	Polai Kalan	7.4	1460	920	660	280	380	188	143	331	7.4	ND
<b>South Direction</b>												
5	Gurla	7.6	880	554	431	205	226	157	55	115	6.2	ND
10	Mandita	7.7	1544	973	520	170	350	162	82	186	4.9	ND
<b>East Direction</b>												
5	Palaitha	7.2	670	422	330	124	206	180	54	167	6.7	ND
10	Bamori	7.4	520	328	400	260	140	170	34	171	4.9	ND

ND: Not Detectable.

SURFACE AND GROUND WATER ANALYSIS REPORT - Feb 2020												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>West Direction</b>												
5	Simaliya	7.1	936	590	650	322	328	142	54	620	6.5	ND
10	Polai Kalan	7.6	821	517	770	160	610	154	69	480	5.5	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>North Direction</b>												
5	Darbiji	7.4	1280	806	550	172	378	136	81	520	4.1	ND
10	Surela	7.4	1150	725	640	166	474	175	75	320	5.5	ND
<b>West Direction</b>												
5	Simaliya	7.2	1000	630	690	145	545	168	36	360	4.3	ND
10	Polai Kalan	7.5	1340	844	780	187	593	174	68	620	6.6	ND
<b>South Direction</b>												
5	Gurla	7.3	850	625	395	210	185	162	80	580	5.7	ND
10	Mandita	7.4	1332	839	420	190	230	147	55	362	5.6	ND
<b>East Direction</b>												
5	Palaitha	7.1	324	204	336	140	196	166	71	330	5.9	ND
10	Bamori	7.4	360	227	425	157	268	154	62	140	4.2	ND

ND: Not Detectable.

SURFACE AND GROUND WATER ANALYSIS REPORT - March 2020												
1. Surface Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>West Direction</b>												
5	Simaliya	7.10	740.0	466.0	760.0	298.0	462.0	158.0	77.0	634.0	5.7	ND
10	Polai Kalan	7.60	882.0	556.0	680.0	230.0	450.0	174.0	65.0	580.0	5.8	ND
2. Ground Water												
Distance, in KM	Location	PH	Cond.	TDS	TH as CaCO3	Ca as CaCO3	Mg as CaCO3	Talk as CaCO3	Cl as Cl	SO4 as SO4	NO3 as NO3	PO4 as PO4
<b>North Direction</b>												
5	Darbiji	7.40	1090.0	687.0	590.0	180.0	410.0	160.0	84.0	540.0	4.1	ND
10	Surela	7.50	950.0	599.0	720.0	170.0	550.0	165.0	76.0	432.0	6.2	ND
<b>West Direction</b>												
5	Simaliya	7.40	873.0	550.0	640.0	165.0	475.0	180.0	60.0	426.0	6.7	ND
10	Polai Kalan	7.60	1040.0	655.0	720.0	191.0	529.0	175.0	53.0	652.0	5.4	ND
<b>South Direction</b>												
5	Gurla	7.50	690.0	435.0	390.0	210.0	192.0	168.0	74.0	380.0	5.3	ND
10	Mandita	7.40	884.0	557.0	402.0	210.0	192.0	168.0	74.0	380.0	5.3	ND
<b>East Direction</b>												
5	Palaitha	7.30	720.0	265.0	390.0	160.0	230.0	177.0	68.0	352.0	5.4	ND
10	Bamori	7.40	405.0	255.0	340.0	190.0	150.0	156.0	59.0	158.0	5.3	ND

ND: Not Detectable.

Note : 1. pH has no unit, Conductivity is expressed in micro mhos/cm & others in mg/l.

**KALISIND RIVER UP STREAM (INTAKE WELL) ANALYSIS REPORT**

Month	PH	TSS	FRC	Nitrate Nitrogen	Phosphate	Ammonical Nitrogen as N	Free Ammoniacal Nitrogen	TKN as N	COD	BOD
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Oct-19	8.1	89.5	NT	2.9	BDL	NT	NT	8.2	9.3	2.9
Nov-19	8.0	74.5	NT	3.6	BDL	NT	NT	8.5	8.9	3.1
Dec-19	8.1	76.0	NT	3.7	BDL	NT	NT	8.5	8.4	3.7
Jan-20	8.4	72.5	NT	3.9	BDL	NT	NT	8.4	8.9	3.5
Feb-20	8.3	73.5	NT	4.1	BDL	NT	NT	9.9	8.8	3.7
Mar-20	8.4	75.5	NT	3.5	BDL	NT	NT	8.1	9.1	3.7
<b>Min</b>	8.0	72.5	NT	2.9	BDL	NT	NT	8.1	8.4	2.9
<b>Max</b>	8.4	89.5	NT	4.1	BDL	NT	NT	9.9	9.3	3.7
<b>Avg</b>	8.2	76.9	NT	3.6	BDL	NT	NT	8.6	8.9	3.4

**KALISIND RIVER DOWN STREAM (EFFLUENT DISCHARGE POINT) ANALYSIS REPORT**

Month	PH	TSS	FRC	Nitrate Nitrogen	Phosphate	Ammonical Nitrogen as N	Free Ammoniacal Nitrogen	TKN as N	COD	BOD
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Oct-19	8.1	84.5	NT	3.1	BDL	NT	NT	7.9	8.5	2.5
Nov-19	7.9	68.5	NT	3.1	BDL	NT	NT	8.3	8.2	2.6
Dec-19	8.1	70.5	NT	3.6	BDL	NT	NT	8.3	7.4	3.1
Jan-20	8.3	72.0	NT	3.8	BDL	NT	NT	8.1	8.0	3.1
Feb-20	8.3	64.0	NT	3.7	BDL	NT	NT	9.6	8.1	3.5
Mar-20	8.3	68.5	NT	3.8	BDL	NT	NT	7.9	8.6	3.5
<b>Min</b>	7.9	64.0	NT	3.1	BDL	NT	NT	7.9	7.4	2.5
<b>Max</b>	8.3	84.5	NT	3.8	BDL	NT	NT	9.6	8.6	3.5
<b>Avg</b>	8.2	71.3	NT	3.5	BDL	NT	NT	8.3	8.1	3.0

NT- Not Traceble

BDL: Below Detection Limit

All values are in mg/l except pH

## STACKS EMISSIONS MONITORING REPORTS

TABLE- 9

MONTHS	HRSG-III			AMM-III Primary Reformer		
	NOx (ppm)					
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	34.7	31.6	33.4	68.0	61.0	64.4
Nov-19	45.5	33.9	38.1	71.0	65.0	68.3
Dec-19	44.1	34.6	38.5	76.0	58.0	67.5
Jan-20	40.9	36.6	38.3	70.0	60.0	65.0
Feb-20	37.6	34.3	35.7	74.0	68.0	71.5
Mar-20	38.8	38.8	38.8	64.0	64.0	64.0

MONTHS	UPH Scrubber Screen House-III						UPH Scrubber Packing Plant-III						PRILLING TOWER (PHASE-III)								
	Dust (mg/Nm3)			Ammonia (mg/Nm3)			Dust (mg/Nm3)			Ammonia (mg/Nm3)			PARTICULATE MATTER			AMMONIA					
	150 mg/Nm3			~			150 mg/Nm3			~			50 mg/Nm3			175 mg/Nm3					
Standard as per RPCB	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
Oct-19	13.4	9.8	11.4	37.7	27.2	34.2	13.6	9.5	11.3	34.2	27.7	31.0	44.4	41.7	43.1	67.6	60.6	64.0			
Nov-19	15.7	9.6	12.0	35.4	24.8	30.5	14.4	9.3	10.9	31.3	25.9	28.0	45.5	39.4	43.0	69.7	52.9	62.9			
Dec-19	13.7	11.1	12.3	38.9	28.3	32.9	16.5	10.3	13.0	41.2	23.9	30.5	43.4	40.1	41.9	63.5	57.9	60.5			
Jan-20	15.6	10.5	13.7	44.8	30.1	35.9	16.5	11.8	14.6	38.9	33.7	35.7	45.1	39.8	43.1	67.9	59.1	63.5			
Feb-20	14.4	10.0	11.6	35.4	23.6	30.9	14.4	12.1	12.8	31.3	25.9	28.4	43.1	40.0	41.3	67.6	60.6	63.2			
Mar-20	15.6	11.0	12.8	33.0	28.3	30.8	15.7	10.6	12.3	35.3	24.7	31.3	41.6	41.6	41.6	54.4	54.4	54.4			

## SEWAGE TREATMENT PLANT - III

Parameters	pH			Oil & Grease			Total Residual Chlorine			Suspended Solid			Nitrate Nitrogen as N			COD			BOD			Colour & Odour All efforts should be made to remove colour & unpleasant odour as far as practicable
Permissible Limits	5.5-9.0			10 mg/l			1.0 mg/l			100 mg/l			10 mg/l			250 mg/l			30 mg/l			
Months	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	
Oct-19	7.5	7.1	7.3	4.8	2.9	3.8	0.5	0.2	0.4	32.0	27.0	30.3	5.9	3.5	4.4	30.2	20.9	24.0	9.0	6.8	7.7	Clear & Absent
Nov-19	7.4	7.1	7.3	5.4	2.9	3.9	0.5	0.2	0.4	39.0	30.0	33.0	6.9	3.8	4.7	26.7	20.9	23.0	9.8	7.2	8.2	Clear & Absent
Dec-19	7.5	7.1	7.3	4.4	4.1	4.3	0.5	0.2	0.4	40.0	28.0	33.2	6.9	3.5	4.5	25.5	22.1	23.7	9.8	7.2	8.0	Clear & Absent
Jan-20	7.5	7.1	7.3	4.2	3.5	4.0	0.5	0.2	0.3	31.0	28.0	29.0	5.6	3.5	5.0	27.9	20.9	23.7	9.8	7.2	8.2	Clear & Absent
Feb-20	7.5	7.1	7.3	3.6	3.2	3.4	3.8	0.2	0.5	32.0	27.5	29.6	5.6	4.6	5.1	27.5	21.3	25.0	9.8	7.4	8.6	Clear & Absent
Mar-20	7.5	7.1	7.3	4.3	3.3	3.8	0.5	0.2	0.3	41.0	31.0	35.4	5.6	4.1	4.7	30.7	23.6	25.4	9.8	7.2	8.0	Clear & Absent

Remark : Unit mg/l except PH, Bioassay test complied.

**TABLE- 10****NOISE LEVEL MONITORING****Oct-19**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	66.0	62.0	60.0	58.0
Post Office Gadepan	65.0	58.0	61.0	55.0
Reservoir	50.0	41.0	41.0	34.0
South Side of Cooling Tower	60.0	55.0	54.0	47.0
North Side of Holding Pond	59.0	52.0	55.0	48.0
Near Adm	55.0	48.0	48.0	45.0
Shopping Centre	46.0	43.0	40.0	35.0
Guest House	48.0	43.0	43.0	36.8

**Nov-19**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	68.0	64.0	61.0	55.0
Post Office Gadepan	64.0	60.0	57.0	54.0
Reservoir	51.0	40.5	40.0	35.0
South Side of Cooling Tower	62.0	57.0	55.0	49.0
North Side of Holding Pond	58.0	54.0	52.0	47.0
Near Adm	56.0	50.0	52.0	40.0
Shopping Centre	47.0	42.0	40.0	32.0
Guest House	48.0	45.0	41.0	32.0

**Dec-19**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	69.0	66.0	63.0	60.0
Post Office Gadepan	66.0	62.0	62.0	52.0
Reservoir	58.0	45.5	52.0	36.0
South Side of Cooling Tower	64.0	58.0	62.0	52.0
North Side of Holding Pond	59.0	54.0	55.0	50.0
Near Adm	56.0	50.0	51.0	40.0
Shopping Centre	49.0	42.0	42.0	32.0
Guest House	48.0	44.0	42.0	32.0

**TABLE- 10****NOISE LEVEL MONITORING****Jan-20**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	72.0	65.0	65.0	60.0
Post Office Gadepan	69.0	65.0	65.0	57.0
Reservoir	48.0	45.0	42.0	40.0
South Side of Cooling Tower	62.0	57.0	55.0	52.0
North Side of Holding Pond	62.0	54.0	55.0	48.0
Near Adm	56.0	52.0	50.0	47.0
Shopping Centre	48.0	47.0	43.0	40.0
Guest House	48.0	44.0	43.0	41.0

**Feb-20**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	70.0	68.0	66.0	62.0
Post Office Gadepan	69.0	65.0	62.0	55.0
Reservoir	51.0	46.0	45.0	40.0
South Side of Cooling Tower	66.0	57.0	60.0	51.0
North Side of Holding Pond	60.0	55.0	58.0	48.0
Near Adm	57.0	55.0	52.0	50.0
Shopping Centre	49.0	45.0	44.0	40.0
Guest House	48.0	44.0	41.0	40.0

**Mar-20**

LOCATION	DAY		NIGHT	
Standard as per RPCB	75 dB (A) Leq		70 dB (A) Leq	
	MAX	MIN	MAX	MIN
Kota Baran Road Gate	68.0	62.0	65.0	58.0
Post Office Gadepan	66.0	60.0	62.0	55.0
Reservoir	52.0	44.0	45.0	40.0
South Side of Cooling Tower	66.0	56.0	62.0	48.0
North Side of Holding Pond	62.0	56.0	55.0	50.0
Near Adm	57.0	44.0	52.0	40.0
Shopping Centre	55.0	46.0	48.0	40.0
Guest House	60.0	43.0	57.0	41.0