

BIHAR STATE POLLUTION CONTROL BOARD, PATNA							
Status of Ambient Air Quality of Collectorate, Gaya							
Sl No	Year-2016	Main pollutants & BTX Parameters 2016					
		CO in mg/m <sup>3</sup>	SO <sub>2</sub> in µg/m <sup>3</sup>	NO <sub>2</sub> in µg/m <sup>3</sup>	O <sub>3</sub> in µg/m <sub>3</sub>	PM 2.5 in µg/m <sup>3</sup>	Benzene in µg/m <sup>3</sup>
		Avg	Avg	Avg	Avg	Avg	Avg
1	January	2.65	6.4	24.0	9.6	135.7	3.93
2	February	1.56	7.1	16.1	15.0	73.0	1.95
3	March	1.19	7.1	34.3	12.5	50.4	1.73
4	April	0.97	6.0	34.8	10.7	40.1	1.37
5	May	..	..	..	..	..	..
6	June	..	..	..	..	..	..
7	July	1.40	18.5	85.2	24.8	18.8	1.72
8	August	0.73	5.9	71.9	16.5	19.5	1.35
9	September	0.82	6.2	27.7	13.8	24.2	1.10
10	October	1.20	6.5	18.4	17.7	100.8	1.01
11	November	2.07	6.4	78.1	12.4	118.8	0.94
12	December	1.67	4.7	53.9	7.5	138.4	1.00
	<b>Avg</b>	<b>1.43</b>	<b>7.48</b>	<b>44.44</b>	<b>14.05</b>	<b>71.97</b>	<b>1.61</b>

BIHAR STATE POLLUTION CONTROL BOARD, PATNA									
Status of Ambient Air Quality of Collectorate, Gaya									
Sl. No.	Year-2016	Meteorological Parameters - 2016							
		WS in m/s	WD in Degree	AT in °C	RH in %	BP in mmHg	SR in w/m <sup>2</sup>	VWS in m/s	Rain Fall in mm
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	January	0.9	101	17	69.8	747.2	127.6	-0.01	0.00
2	February	1.3	89.8	19.6	62.2	747.1	178.4	0.00	0.00
3	March	2.0	103.7	23.2	52.3	746.7	250.2	0.00	0.03
4	April	2.5	108	31	40.1	746	284.7	0.01	0.00
5	May	..	..	..	..	..	..	..	..
6	June	..	..	..	..	..	..	..	..
7	July	1.9	82.3	31.6	79.3	745.2	185.9	-0.01	3.53
8	August	1.8	78.5	33.4	77.3	745.1	144.3	-0.02	5.06
9	September	1.5	83.1	33	81.1	745.5	115.3	-0.01	7.28
10	October	1.1	100.6	32.4	73.4	745.9	118.7	-0.01	1.07
11	November	0.9	114.9	30.3	68.6	746.5	53.7	-0.01	0.00
12	December	1.0	117.5	24.8	79.6	746.7	49.8	-0.01	0.00
	<b>Avg</b>	<b>1.5</b>	<b>97.9</b>	<b>27.6</b>	<b>68.4</b>	<b>746.2</b>	<b>150.9</b>	<b>-0.01</b>	<b>1.70</b>

### Status of Ambient Air Quality at Gaya during 2016

Sl. No.	Parameters	Annual Average concentration	Standards for residential, Rural and other areas
1	PM 2.5	71.97 $\mu\text{g}/\text{m}^3$	40 $\mu\text{g}/\text{m}^3$ Annual
2	CO	1.43 $\text{mg}/\text{m}^3$	02 $\text{mg}/\text{m}^3$ 8hours 04 $\text{mg}/\text{m}^3$ 1 hours
3	O <sub>3</sub>	14.05 $\mu\text{g}/\text{m}^3$	100 $\text{mg}/\text{m}^3$ 8hours 180 $\text{mg}/\text{m}^3$ 1 hours
4	SO <sub>2</sub>	7.48 $\mu\text{g}/\text{m}^3$	50 $\mu\text{g}/\text{m}^3$ Annual
5	NO <sub>2</sub>	44.44 $\mu\text{g}/\text{m}^3$	40 $\mu\text{g}/\text{m}^3$ Annual
6	Benzene	1.61 $\mu\text{g}/\text{m}^3$	05 $\mu\text{g}/\text{m}^3$ Annual

### Status of Meteorological Parameters at Gaya during 2016

Sl. No.	Parameters	Annual Average
1	WS	1.5 m/s
2	WD	97.9 Degree
3	AT	27.6 °C
4	RH	68.4 %
5	BP	746.2 mmHg
6	SR	150.9 w/m <sup>2</sup>
7	VWS	-0.01 m/s
8	Rain Fall	1.70 mm

### Air Quality Index of Gaya in days during 2016

Sl.No.	Month	Good	Satisfactory	Moderate	Poor	Very Poor	Severe
1.	January	..	..	03	07	21	..
2.	February	..	07	13	09	..	..
3.	March	01	18	12	..	..	..
4.	April	02	24	04	..	..	..
5.	May	..	..	..	..	..	..
6.	June	..	..	..	..	..	..
7.	July	..	01	04	..	..	..
8.	August	03	06	22	..	..	..
9.	September	05	10	..	..	..	..
10.	October	..	..	09	02	03	..
11.	November	..	..	09	11	11	..
12.	December	..	..	01	10	19	01
<b>Total</b>							