

BIHAR STATE POLLUTION CONTROL BOARD, PATNA							
Status of Ambient Air Quality of Collectorate, Muzaffarpur							
Sl No	Year-2016	Main pollutants & BTX Parameters 2016					
		CO in mg/m ³	SO ₂ in µg/m ³	NO ₂ in µg/m ³	O ₃ in µg/m ³	PM 2.5 in µg/m ³	Benzene in µg/m ³
		Avg	Avg	Avg	Avg	Avg	Avg
1	January	1.81	20.1	5.5	41.4	294.2	1.69
2	February	1.55	16.9	5.0	35.0	179.1	1.00
3	March	1.27	11.2	24.5	39.8	101.8	0.52
4	April	1.33	5.2	30.6	29.1	66.9	0.44
5	May	1.27	10.3	7.3	30.8	34.3	0.33
6	June	1.27	13.3	20.9	9.0	24.8	0.29
7	July	1.41	6.4	39.8	14.0	18.6	0.24
8	August	0.80	5.3	33.0	24.0	30.3	0.22
9	September	1.16	7.1	27.3	18.4	29.2	0.26
10	October	1.73	11.5	43.5	25.2	121.7	0.48
11	November	1.97	12.9	60.8	20.4	208.5	0.70
12	December	1.89	12.7	57.1	22.5	217.9	0.78
	Avg	1.46	11.08	29.61	25.80	110.61	0.58

BIHAR STATE POLLUTION CONTROL BOARD, PATNA									
Status of Ambient Air Quality of Collectorate, Muzaffarpur									
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 ²	VWS in m/s	Rain Fall in mm
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	January	1.1	55	18.1	82.4	749.8	153.9	-0.01	0.00
2	February	1.6	72.4	21.2	73.1	749.8	178.1	-0.01	0.00
3	March	0.2	91.7	24.6	62.8	749.8	222	-0.02	0.00
4	April	0.2	110.4	31.9	54.2	749.7	250.1	-0.02	0.00
5	May	3.1	193.1	32.8	75.7	748.6	189.7	-0.02	0.37
6	June	3.7	227.1	32.7	76.4	749.6	177.9	0.00	0.02
7	July	3.1	219.5	31.2	85.9	749.6	116.9	0.00	0.00
8	August	3.2	221.2	31.1	79.6	749.6	158.9	0.00	0.00
9	September	2.2	208.7	29.1	87.8	749.7	102.9	-0.01	0.00
10	October	1.3	78.6	26.8	78	749.7	133.9	-0.01	0.00
11	November	1.0	148.8	23.5	72.3	749.8	105.7	-0.02	0.00
12	December	1.3	139.9	19.6	87.5	749.8	62.6	-0.02	0.00
	Avg	1.8	147.2	26.9	76.3	749.6	154.4	-0.01	0.03

Status of Ambient Air Quality at Muzaffarpur during 2016

Sl. No.	Parameters	Annual Average concentration	Standards for residential, Rural and other areas
1	PM 2.5	110.61 µg/m ³	40 µg/m ³ Annual
2	CO	1.46 mg/m ³	02 mg/m ³ 8hours 04 mg/m ³ 1 hours
3	O ₃	25.80 µg/m ³	100 mg/m ³ 8hours 180mg/m ³ 1 hours
4	SO ₂	11.08 µg/m ³	50 µg/m ³ Annual
5	NO ₂	29.61 µg/m ³	40 µg/m ³ Annual
6	Benzene	0.58 µg/m ³	05 µg/m ³ Annual

Status of Meteorological Parameters at Muzaffarpur during 2016

Sl. No.	Parameters	Annual Average
1	WS	1.8 m/s
2	WD	147.2 Degree
3	AT	26.9 °C
4	RH	76.3 %
5	BP	749.6 mmHg
6	SR	154.4 w/m ²
7	VWS	-0.01 m/s
8	Rain Fall	0.03 mm

Air Quality Index of Muzaffarpur in days during 2016

Sl.No.	Month	Good	Satisfactory	Moderate	Poor	Very Poor	Severe
1.	January	..	..	..	..	11	20
2.	February	..	..	01	07	16	05
3.	March	..	02	13	06	10	..
4.	April	..	17	07	05	01	..
5.	May	03	24	04	..	..	..
6.	June	01	29	..	..	..	..
7.	July	..	26	05	..	..	..
8.	August	07	21	02	..	..	..
9.	September	03	26	01	..	..	..
10.	October	..	05	06	05	14	01
11.	November	..	..	01	03	18	08
12.	December	..	..	..	01	24	06
Total		14	150	40	27	94	40