

STATUS OF AMBIENT AIR QUALITY OF UNA

During 2011-12 | During 2012-13 | During 2013-14 | During 2014-15 | During 2015-16 | During 2016-17 |
During 2017-18 | During 2018-19

During 2019-20
Station-1

Regional Office, Una (R)

Month	SO ₂ in ug/m ³		SO ₂ in ug/m ³		NO _x in ug/m ³		RSPM in ug/m ³		NH ₃ in ug/m ³		O ₃ in ug/m ³		PM _{2.5} in ug/m ³	
	A.M	A.S.	A.M	A.S.	A.M	A.S.	A.M	A.S.	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-19	--	50.0	--	40.0	58.1	60.0	--	100.0	--	100.0	--	40.0	--	2.0
May-19	--	50.0	--	40.0	63.6	60.0	--	100.0	--	100.0	--	40.0	--	2.0
Jun-19	--	50.0	--	40.0	62.2	60.0	--	100.0	--	100.0	14.9	40.0	--	2.0
Jul-19	--	50.0	--	40.0	63.1	60.0	--	100.0	--	100.0	19.2	40.0	--	2.0
Aug-19	--	50.0	--	40.0	53.6	60.0	--	100.0	--	100.0	21.6	40.0	--	2.0
Sep-19	--	50.0	--	40.0	57.4	60.0	--	100.0	--	100.0	25.6	40.0	--	2.0
Oct-19	2.2	50.0	7.2	40.0	59.1	60.0	--	100.0	--	100.0	25.3	40.0	--	2.0
Nov-19	2.0	50.0	7.0	40.0	60.1	60.0	--	100.0	--	100.0	23.1	40.0	--	2.0
Dec-19	--	50.0	--	40.0	62.3	60.0	--	100.0	--	100.0	--	40.0	--	2.0
Jan-20	--	50.0	--	40.0	60.6	60.0	0.028	100.0	--	100.0	23.6	40.0	1.110	2.0
Feb-20	--	50.0	--	40.0	59.9	60.0	16.5	100.0	--	100.0	22.1	40.0	0.997	2.0
Mar-20	--	50.0	--	40.0	57.5	60.0	23.2	100.0	--	100.0	21.5	40.0	--	2.0

Station-2**Mehatpur (I)**

Month	RSPM in ug/m ³		PM _{2.5} in ug/m ³	
	A.M	A.S.	A.M	A.S.
Apr-19	62.4	60.0	--	40.0
May-19	67.3	60.0	--	40.0
Jun-19	62.9	60.0	12.4	40.0
Jul-19	--	60.0	--	40.0
Aug-19	--	60.0	--	40.0
Sep-19	56.4	60.0	57.0	40.0
Oct-19	57.3	60.0	--	40.0
Nov-19	61.5	60.0	--	40.0
Dec-19	60.6	60.0	--	40.0
Jan-20	60.0	60.0	24.7	40.0
Feb-20	61.0	60.0	24.0	40.0
Mar-20	57.7	60.0	21.8	40.0

**During 2018-19
Station-1**

Regional Office, Una (R)

Month	SO ₂ in µg/m ³		NO _x in µg/m ³		RSPM in µg/m ³	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-18	--	--	--	--	60.9	60.0
May-18	--	--	--	--	65.2	60.0
Jun-18	--	--	--	--	87.6	60.0
Jul-18	--	--	--	--	62.9	60.0
Aug-18	--	--	--	--	61.2	60.0
Sep-18	--	--	--	--	62.3	60.0
Oct-18	--	--	--	--	63.5	60.0
Nov-18	--	--	--	--	67.9	60.0
Dec-18	--	--	--	--	62.0	60.0
Jan-19	--	--	--	--	61.0	60.0
Feb-19	--	--	--	--	62.4	60.0
Mar-19	--	--	--	--	60.4	60.0

Station-2

Mehatpur (I)

Month	SO ₂ in µg/m ³		NO _x in µg/m ³		RSPM in µg/m ³	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-18	--	--	--	--	64.7	60.0
May-18	--	--	--	--	61.4	60.0
Jun-18	--	--	--	--	74.6	60.0
Jul-18	--	--	--	--	67.1	60.0
Aug-18	--	--	--	--	64.3	60.0
Sep-18	--	--	--	--	65.2	60.0
Oct-18	--	--	--	--	66.2	60.0
Nov-18	--	--	--	--	66.4	60.0
Dec-18	--	--	--	--	63.9	60.0
Jan-19	--	--	--	--	63.6	60.0
Feb-19	--	--	--	--	63.8	60.0
Mar-19	--	--	--	--	62.5	60.0

**During 2017-18
Station-1**

Regional Office, Una (R)

Month	SOx		NOx		RSPM	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-17	2.1	50	5.2	40	65.0	60
May-17	2.1	50	5.1	40	68.8	60
Jun-17	2.0	50	5.5	40	64.5	60
Jul-17	2.0	50	5.0	40	56.9	60
Aug-17	2.9	50	5.4	40	58.3	60
Sep-17	2.0	50	5.1	40	59.7	60
Oct-17	2.0	50	5.0	40	58.9	60
Nov-17	2.0	50	4.9	40	56.9	60
Dec-17	2.0	50	5.0	40	55.4	60
Jan-18	2.0	50	4.9	40	59.7	60
Feb-18	2.0	50	4.9	40	58.9	60
Mar-18	----	50	----	40	61.0	60

Station-2

Mehatpur (I)

Month	SOx		NOx		RSPM	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-17	2.2	50	5.6	40	80.9	60
May-17	2.1	50	5.3	40	78.4	60
Jun-17	2.0	50	5.9	40	79.5	60
Jul-17	2.0	50	5.4	40	68.9	60
Aug-17	2.0	50	5.7	40	66.5	60
Sep-17	2.0	50	5.2	40	64.5	60
Oct-17	2.0	50	5.3	40	64.8	60
Nov-17	2.0	50	5.3	40	61.3	60
Dec-17	2.0	50	5.1	40	64.0	60
Jan-18	2.0	50	5.5	40	66.1	60
Feb-18	2.0	50	5.1	40	60.4	60
Mar-18	----	50	5.5	40	66.4	60

During 2016-17**Station-1****Regional Office, Una (R)**

Month	SO _x		NO _x		RSPM	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-16	2.1	50	5.3	40	72.9	60
May-16	2.1	50	5.3	40	74.3	60
Jun-16	2.1	50	5.4	40	61.8	60
Jul-16	2.1	50	4.8	40	58.8	60
Aug-16	2.0	50	5.1	40	53.2	60
Sep-16	2.0	50	4.9	40	58.5	60
Oct-16	2.0	50	4.8	40	60.2	60
Nov-16	2.1	50	4.9	40	57.7	60
Dec-16	2.0	50	4.7	40	59.5	60
Jan-17	2.1	50	4.8	40	59.6	60
Feb-17	2.1	50	5.2	40	59.9	60
Mar-17	2.1	50	5.0	40	65.6	60

Station-2**DIC Mehatpur (I)**

Month	SO _x		NO _x		RSPM	
	A.M	A.S.	A.M	A.S.	A.M	A.S.
Apr-16	2.0	50	5.4	40	85.9	60
May-16	2.1	50	5.8	40	83.9	60
Jun-16	2.2	50	6.0	40	70.0	60
Jul-16	2.1	50	5.3	40	70.3	60
Aug-16	2.1	50	5.3	40	63.9	60
Sep-16	2.0	50	5.1	40	66.8	60
Oct-16	2.0	50	5.2	40	70.8	60
Nov-16	2.1	50	4.8	40	68.4	60
Dec-16	2.0	50	4.8	40	69.1	60
Jan-17	2.0	50	4.8	40	72.9	60
Feb-17	2.1	50	5.7	40	73.3	60
Mar-17	2.0	50	5.0	40	76.5	60

During 2015-16**Station-1****Regional Office, Una (R)**

Month	SOx in $\mu\text{g}/\text{m}^3$		NOx in $\mu\text{g}/\text{m}^3$		RSPM in $\mu\text{g}/\text{m}^3$	
	A.M	Annual	A.M	A.M	Annual	Standard
Apr-15	2.0	50.0	5.9	40.0	80.6	60.0
May-15	2.0	50.0	6.1	40.0	82.4	60.0
Jun-15	2.0	50.0	5.2	40.0	84.2	60.0
Jul-15	2.0	50.0	5.3	40.0	75.5	60.0
Aug-15	2.0	50.0	5.2	40.0	75.5	60.0
Sep-15	--	50.0	--	40.0	73.5	60.0
Oct-15	--	50.0	--	40.0	77.8	60.0
Nov-15	--	50.0	--	40.0	76.6	60.0
Dec-15	--	50.0	--	40.0	74.2	60.0
Jan-16	--	50.0	--	40.0	78.8	60.0
Feb-16	--	50.0	--	40.0	76.6	60.0
Mar-16	--	50.0	--	40.0	75.4	60.0

Station-2**DIC Mehatpur (I)**

Month	SOx in $\mu\text{g}/\text{m}^3$		NOx in $\mu\text{g}/\text{m}^3$		RSPM in $\mu\text{g}/\text{m}^3$	
	A.M	Annual	A.M	A.M	Annual	Standard
Apr-15	2.0	50.0	6.5	40.0	87.3	60.0
May-15	2.1	50.0	6.6	40.0	89.5	60.0
Jun-15	2.0	50.0	6.2	40.0	89.8	60.0
Jul-15	2.0	50.0	5.4	40.0	81.9	60.0
Aug-15	2.0	50.0	6.3	40.0	83.7	60.0
Sep-15	--	50.0	--	40.0	85.4	60.0
Oct-15	--	50.0	--	40.0	80.7	60.0
Nov-15	--	50.0	--	40.0	84.7	60.0
Dec-15	--	50.0	--	40.0	79.3	60.0
Jan-16	--	50.0	--	40.0	89.1	60.0
Feb-16	--	50.0	--	40.0	78.9	60.0
Mar-16	--	50.0	--	40.0	68.7	60.0

**During 2014-15
Station-1**

Regional Office, Una (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³		SPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-14	2.0	4.4	5.1	12.1	76.2	93.8	90.4	103.8
May-14	2.0	2.0	5.0	12.1	80.1	109.0	98.4	123.9
Jun-14	2.0	2.0	5.4	12.8	83.1	99.4	100.3	119.7
Jul-14	2.0	4.6	5.0	13.1	70.7	92.8	87.8	115.4
Aug-14	2.1	4.4	5.5	13.6	73.8	98.4	91.2	115.1
Sep-14	--	--	--	--	72.1	84.0	88.6	103.6
Oct-14	--	--	--	--	75.0	89.1	90.9	104.0
Nov-14	--	--	--	--	72.5	87.8	87.4	107.1
Dec-14	2.0	2.0	5.4	13.2	74.6	89.7	89.4	99.8
Jan-15	2.0	2.0	4.8	11.0	73.7	85.9	87.3	101.6
Feb-15	2.0	2.0	5.8	13.3	76.6	87.3	91.5	101.9
Mar-15	2.0	2.0	5.4	12.0	7.0	81.8	85.5	94.8

Station-2

DIC Mehatpur (I)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³		SPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-14	2.1	5.2	5.9	12.1	80.6	99.4	95.1	116.3
May-14	2.0	2.0	5.2	12.1	83.8	116.3	135.3	100.6
Jun-14	2.1	7.8	6.2	12.1	84.0	101.9	103.9	127.8
Jul-14	2.1	5.9	6.0	12.8	78.5	103.3	97.7	116.7
Aug-14	2.1	5.2	5.5	15.1	72.8	103.4	91.0	124.8
Sep-14	--	--	--	--	73.4	87.0	91.0	102.2
Oct-14	--	--	--	--	77.2	106.8	93.1	123.1
Nov-14	--	--	--	--	78.7	89.1	92.1	103.3
Dec-14	2.0	2.0	5.3	12.3	80.0	89.3	94.3	100.1
Jan-15	2.0	2.0	5.0	12.0	76.8	88.9	90.5	101.9
Feb-15	2.0	2.0	5.6	13.3	79.0	89.1	95.0	102.5
Mar-15	2.0	2.0	5.4	12.2	82.6	95.4	94.7	107.5

**During 2013-14
Station-1**

Regional Office, Una (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-13	..	..	..	..	79.0	120.1
May-13	3.1	9.9	8.1	20.7	126.2	194.1
Jun-13	2.3	9.4	4.5	4.5	86.3	119.8
Jul-13	2.0	4.3	4.6	10.8	77.9	108.5
Aug-13	2.0	2.0	4.6	9.8	76.4	116.4
Sep-13	2.3	5.4	6.6	18.1	78.4	97.6
Oct-13	2.0	2.0	6.5	19.6	87.6	120.3
Nov-13	2.2	4.9	5.7	22.7	88.2	134.0
Dec-13	2.0	2.0	4.9	13.6	77.3	115.6
Jan-14	2.0	2.0	4.5	4.5	75.4	99.8
Feb-14	2.1	5.2	5.4	14.1	76.7	94.4
Mar-14	2.2	5.4	6.3	13.6	76.4	95.9

Station-2

DIC Mehatpur (I)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-13	..	..	..	..	87.6	123.0
May-13	3.4	9.3	10.0	55.2	136.4	278.2
Jun-13	2.0	2.0	4.5	4.5	87.5	122.5
Jul-13	2.1	4.4	5.5	20.4	87.0	130.8
Aug-13	--	--	--	--	--	--
Sep-13	2.5	7.8	8.0	20.3	86.6	111.6
Oct-13	--	--	--	--	--	--
Nov-13	--	--	--	--	--	--
Dec-13	--	--	--	--	--	--
Jan-14	2.0	2.0	4.5	4.5	74.3	88.2
Feb-14	2.1	5.2	5.2	12.8	75.0	91.8
Mar-14	2.4	6.9	7.2	16.6	77.4	94.5

**During 2012-13
Station-1**

Regional Office, Una (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-12	--	--	--	--	48.7	74.7
May-12	--	--	--	--	58.3	79.3
Jun-12	--	--	--	--	86.6	144.7
Jul-12	--	--	--	--	72.8	120.6
Aug-12	--	--	--	--	52.8	110.0
Sep-12	--	--	--	--	73.8	170.0
Oct-12	--	--	--	--	68.9	101.5
Nov-12	--	--	--	--	94.2	214.7
Dec-12	--	--	--	--	82.4	101.9
Jan-13	--	--	--	--	120.2	245.3
Feb-13	--	--	--	--	107.9	235.1
Mar-13	--	--	--	--	88.5	137.8

Station-2

DIC Mehatpur (I)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-12	--	--	--	--	55.1	78.0
May-12	--	--	--	--	60.3	99.9
Jun-12	--	--	--	--	94.6	163.3
Jul-12	--	--	--	--	70.3	99.4
Aug-12	--	--	--	--	70.2	161.8
Sep-12	--	--	--	--	77.2	122.9
Oct-12	--	--	--	--	77.8	125.5
Nov-12	--	--	--	--	78.5	109.5
Dec-12	--	--	--	--	86.0	134.3
Jan-13	--	--	--	--	137.5	333.8
Feb-13	--	--	--	--	103.2	144.7
Mar-13	--	--	--	--	92.2	117.8

During 2011-12

Station-1

RO UNA (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-11	----	----	----	----	----	----
May-11	6.8	19.7	16.4	61.2	49.9	89.5
Jun-11	7.6	14.2	21.1	55.1	48.2	106.8
Jul-11	5.6	19.7	15.4	62.0	37.7	85.5
Aug-11	----	----	----	----	41.3	106.1
Sep-11	----	----	----	----	36.2	73.4
Oct-11	----	----	----	----	51.1	171.3
Nov-11	----	----	----	----	52.5	103.4
Dec-11	----	----	----	----	55.5	89.0
Jan-12	----	----	----	----	51.9	98.2
Feb-12	----	----	----	----	43.8	69.8
Mar-12	----	----	----	----	49.4	80.0

Station-2

DIC MEHATPUR (I)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
Apr-11	----	----	----	----	----	----
May-11	3.3	11.3	12.6	43.1	54.4	145.5
Jun-11	7.8	17.2	22.7	51.4	50.7	106.5
Jul-11	5.4	2.9	19.2	36.3	34.7	61.2
Aug-11	----	----	----	----	37.0	73.9
Sep-11	----	----	----	----	39.2	94.7
Oct-11	----	----	----	----	41.9	71.9
Nov-11	----	----	----	----	63.1	168.8
Dec-11	----	----	----	----	67.6	99.1
Jan-12	----	----	----	----	61.3	90.3
Feb-12	----	----	----	----	51.4	80.4
Mar-12	----	----	----	----	62.1	92.9

A.S. = Annual Standard

A.M. = Arithmetic Mean