

AMBIENT AIR QUALITY

Station: A1, Core zone						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	111.4	35.6	5.1	10.7
2		10-12-15	98.7	31.6	2.0	4.5
3		17-12-15	132.5	42.4	6.1	13.3
4		23-12-15	105.7	33.8	4.9	9.2
1	JANUARY'16	07-01-16	105.0	33.6	4.9	10.7
2		14-01-16	100.1	32.0	4.6	9.3
3		21-01-16	117.0	37.4	5.4	10.3
4		28-01-16	109.0	34.9	5.1	9.6
1	FEBRUARY'16	04-02-16	110.1	33.6	4.9	12.3
2		11-02-16	114.2	34.8	5.0	11.6
3		18-02-16	102.7	31.3	4.5	10.3
4		25-02-16	107.9	32.9	5.0	12.5

Min	98.7	31.3	2.0	4.5
Max	132.5	42.4	6.1	13.3
Mean	109.5	34.5	4.8	10.4
10th percentile	100.4	31.6	4.5	9.2
30th percentile	105.2	33.1	4.9	9.8
50th percentile	108.5	33.7	5.0	10.5
95th percentile	124.0	39.7	5.7	12.9
98th percentile	129.1	41.3	5.9	13.1

AMBIENT AIR QUALITY

Station: A2, NEAR DUMPING SITE						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	88.6	27.5	4.1	9.2
2		10-12-15	91.7	28.4	4.4	9.8
3		17-12-15	126.3	39.2	6.1	13.5
4		23-12-15	112.4	34.8	5.4	10.3
1	JANUARY'16	07-01-16	85.3	26.4	4.1	4.5
2		14-01-16	97.8	30.3	4.7	10.4
3		21-01-16	89.1	27.6	4.3	9.5
4		28-01-16	134.8	41.8	6.5	13.1
1	FEBRUARY'16	04-02-16	100.1	33.0	5.2	11.4
2		11-02-16	129.2	42.6	6.3	12.5
3		18-02-16	90.9	30.0	2.0	4.5
4		25-02-16	108.1	35.7	5.6	11.7

Min	85.3	26.4	2.0	4.5
Max	134.8	42.6	6.5	13.5
Mean	104.5	33.1	4.9	10.0
10th percentile	88.7	27.5	4.1	5.0
30th percentile	91.1	28.9	4.4	9.6
50th percentile	99.0	31.7	4.9	10.4
95th percentile	131.7	42.2	6.4	13.2
98th percentile	133.6	42.4	6.5	13.4

AMBIENT AIR QUALITY

Station: A3, NEAR HAULAGE ROAD						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	98.2	29.5	4.1	9.8
2		10-12-15	91.3	30.1	4.2	9.2
3		17-12-15	139.1	47.3	6.6	13.1
4		23-12-15	123.2	38.2	5.3	11.7
1	JANUARY'16	07-01-16	131.3	44.6	6.5	13.6
2		14-01-16	94.1	32.0	4.6	10.2
3		21-01-16	93.9	31.9	5.1	10.3
4		28-01-16	129.0	43.9	6.6	12.6
1	FEBRUARY'16	04-02-16	92.6	31.5	5.1	11.2
2		11-02-16	102.9	35.0	5.6	12.4
3		18-02-16	122.1	41.5	6.3	12.6
4		25-02-16	128.7	43.8	5.0	11.0

Min	91.3	29.5	4.1	9.2
Max	139.1	47.3	6.6	13.6
Mean	112.2	37.4	5.4	11.5
10th percentile	92.7	30.3	4.2	9.9
30th percentile	95.3	31.9	5.0	10.5
50th percentile	112.5	36.6	5.2	11.4
95th percentile	134.8	45.8	6.6	13.3
98th percentile	137.4	46.7	6.6	13.5

AMBIENT AIR QUALITY

Station: A4, NEAR MINES OFFICE						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	100.1	31.0	4.5	9.9
2		10-12-15	105.3	31.6	4.6	9.2
3		17-12-15	119.2	37.0	6.0	13.1
4		23-12-15	134.5	41.7	6.1	12.3
1	JANUARY'16	07-01-16	104.2	32.3	4.8	10.6
2		14-01-16	139.6	43.3	6.3	13.2
3		21-01-16	101.7	31.5	5.3	10.5
4		28-01-16	91.9	28.5	4.1	9.4
1	FEBRUARY'16	04-02-16	113.1	35.1	5.3	11.7
2		11-02-16	132.3	41.0	5.9	11.9
3		18-02-16	144.7	44.9	6.3	12.6
4		25-02-16	97.4	30.2	4.3	9.4

Min	91.9	28.5	4.1	9.2
Max	144.7	44.9	6.3	13.2
Mean	115.3	35.7	5.3	11.1
10th percentile	97.7	30.3	4.3	9.4
30th percentile	102.5	31.5	4.7	10.1
50th percentile	109.2	33.7	5.3	11.1
95th percentile	141.9	44.0	6.3	13.1
98th percentile	143.6	44.5	6.3	13.2

AMBIENT AIR QUALITY

Station: A5, DHANGARWADI VILLAGE						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	109.0	36.6	5.4	10.2
2		10-12-15	113.1	38.0	5.6	11.2
3		17-12-15	135.3	45.5	6.3	13.3
4		23-12-15	128.6	43.2	6.4	12.1
1	JANUARY'16	07-01-16	105.7	34.9	5.1	11.3
2		14-01-16	118.2	39.7	5.8	11.1
3		21-01-16	110.5	37.1	6.0	12.0
4		28-01-16	143.8	48.3	6.9	13.1
1	FEBRUARY'16	04-02-16	120.5	40.5	6.0	11.3
2		11-02-16	138.2	46.4	7.0	14.1
3		18-02-16	111.3	37.4	5.5	11.0
4		25-02-16	133.5	44.9	6.5	14.3

	Min		105.7	34.9	5.1	10.2
	Max		143.8	48.3	7.0	14.3
	Mean		122.3	41.0	6.0	12.1
	10th percentile		109.2	36.7	5.4	11.0
	30th percentile		111.8	37.6	5.7	11.2
	50th percentile		119.4	40.1	6.0	11.6
	95th percentile		140.7	47.3	7.0	14.2
	98th percentile		142.6	47.9	7.0	14.3

AMBIENT AIR QUALITY

Station: A6, THANEWADI VILLAGE						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	115.5	38.1	5.7	10.8
2		10-12-15	124.2	41.0	6.0	12.1
3		17-12-15	146.4	45.4	6.9	14.4
4		23-12-15	97.3	29.2	4.3	9.4
1	JANUARY'16	07-01-16	125.8	37.7	5.6	12.2
2		14-01-16	144.3	43.3	6.3	11.9
3		21-01-16	129.5	38.9	5.7	11.4
4		28-01-16	100.1	30.0	4.4	10.2
1	FEBRUARY'16	04-02-16	119.2	35.8	5.3	12.1
2		11-02-16	108.3	32.5	4.8	9.6
3		18-02-16	128.6	38.6	5.8	11.5
4		25-02-16	131.5	39.5	5.9	11.8

Min	97.3	29.2	4.3	9.4
Max	146.4	45.4	6.9	14.4
Mean	122.6	37.5	5.5	11.5
10th percentile	100.9	30.3	4.5	9.6
30th percentile	116.6	36.4	5.3	11.0
50th percentile	125.0	38.3	5.7	11.6
95th percentile	145.2	44.2	6.5	13.2
98th percentile	145.9	44.9	6.7	13.9

AMBIENT AIR QUALITY

Station: A 7, PANDAPNI WADI VILLAGE						
S.No.	Month	Date	SPM	RSPM	SO₂ (µg/m³)	NO_x (µg/m³)
			µg/m³	µg/m³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	90.7	30.5	4.8	9.5
2		10-12-15	119.4	40.1	6.3	12.5
3		17-12-15	104.6	35.1	5.3	9.6
4		23-12-15	149.3	50.2	6.9	14.4
1	JANUARY'16	07-01-16	94.3	31.1	4.4	9.3
2		14-01-16	108.3	35.7	5.2	9.8
3		21-01-16	93.5	31.4	4.6	9.2
4		28-01-16	106.6	35.2	5.2	9.8
1	FEBRUARY'16	04-02-16	101.6	34.1	5.0	9.5
2		11-02-16	91.4	30.7	4.5	9.5
3		18-02-16	113.6	38.2	5.6	11.2
4		25-02-16	152.3	51.2	6.9	12.4

	Min		90.7	30.5	4.4	9.2
	Max		152.3	51.2	6.9	14.4
	Mean		110.5	37.0	5.4	10.6
	10th percentile		91.6	30.8	4.5	9.4
	30th percentile		96.5	32.2	4.8	9.5
	50th percentile		105.6	35.2	5.2	9.7
	95th percentile		150.7	50.6	6.9	13.4
	98th percentile		151.6	51.0	6.9	14.0

AMBIENT AIR QUALITY

Station: A 8,GAJAPUR VILLAGE						
S.No.	Month	Date	SPM	RSPM	SO ₂ (µg/m ³)	NO _x (µg/m ³)
			µg/m ³	µg/m ³	24 hrs Average	24 hrs Average
1	DECEMBER '15	03-12-15	94.3	29.7	5.1	9.7
2		10-12-15	136.2	42.9	6.3	12.6
3		17-12-15	124.7	39.3	5.8	12.7
4		23-12-15	118.1	37.2	5.4	10.2
1	JANUARY'16	07-01-16	104.6	32.9	4.8	9.7
2		14-01-16	122.6	38.6	5.6	12.3
3		21-01-16	141.5	44.6	6.6	13.1
4		28-01-16	120.9	38.1	5.6	10.6
1	FEBRUARY'16	04-02-16	131.2	41.3	6.1	12.2
2		11-02-16	108.3	34.1	5.0	10.0
3		18-02-16	107.4	33.8	5.0	11.4
4		25-02-16	143.5	45.2	6.6	14.6

	Min		94.3	29.7	4.8	9.7
	Max		143.5	45.2	6.6	14.6
	Mean		121.1	38.1	5.7	11.6
	10th percentile		104.9	33.0	5.0	9.8
	30th percentile		111.2	35.0	5.2	10.4
	50th percentile		121.8	38.4	5.6	11.8
	95th percentile		142.4	44.9	6.6	13.8
	98th percentile		143.1	45.1	6.6	14.3

NOTE: The results relate only to the condition prevailing at the time of sampling

Standards as per consent

SPM 500µg/m³,RSPM300µg/m³,SO₂120µg/m³,NO_x120µg/m³

Method of measurement: As per IS 5182