

Uttarakhand Ambient Air Quality Characteristics

Uttarakhand Pollution Control Board

MONTH- APRIL 2024

Category					PM10		PM2.5		SO2		NO2	
Unit					µg/ m3							
Time					Annual	24 hr	Annual	24hr	Annual	24hr	Annual	24hr
Industrial, Residential, Rural and Other Area												
Ecologically sensitive area (notified by Central Govt.)					60	100	40	60	20	80	30	80
S.No.	Name of City	Location	Monitoring	Category	Pollutants							
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	218.04	94.71	9.02	20.3	Good (0-50)	Minimal Impact		
		ISBT		Residential	223.91	96.68	11.91	21.2				
		Raipur		Residential	215.73	90.69	8.04	19.8				
		Doon University	CAAQMS	Residential	112.97	56.73	2.1	2.4				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	178.27	72.63	8.09	23.75	Satisfactory (51-100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	168.63	74.26	7.81	23.36				
		Natraj Hotel		Commercial	190.63	83.08	8.39	24.49				
		Shivaji Nagar	CAAQMS	Residential	92.07	44.64	3.18	17.35				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	115.19	53.3	9.93	16.7	Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	116.27	51.13	7.22	19.89				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	134.17	79.33	6.9	21.36	Poor (201-300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	141.08	68.31	12.97	21.6				
		Nagar Nigam Roorkee	Manual	Commercial	132.78	-	-	-				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	114.93	-	12.64	18.87	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	122.03	39.56	8.32	26.65				
7	Uttarkashi	CMO Office	Manual	Commercial	41.68	22.52	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	45.42	29.39	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	42.18	25.25	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	40.94	19.35	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	48.47	28.77	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	50.7	27.56	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	76.77	-	-	-				

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MONTH- APRIL 2024

Category					PM10		PM2.5		SO2		NO2	
Unit					µg/m3							
Time					Annual	24 hr	Annual	24hr	Annual	24hr	Annual	24hr
Industrial, Residential, Rural and Other Area												
Ecologically sensitive area (notified by Central Govt.)					60	100	40	60	20	80	30	80
S.No.	Name of City	Location	Monitoring	Category	Pollutants							
					PM10	PM2.5	SO2	NO2				
					µg/m3							
1	Dehradun	Clock Tower	Manual	Residential	209.2	96.69	11.02	21.12	Good (0-50)	Minimal Impact		
		ISBT		Residential	215.71	97.8	11.89	21.2				
		Raipur		Residential	213.78	89.81	9.11	19.98				
		Doon University	CAAQMS	Residential	91.74	35.55	1.98	2.25				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	149.26	64.33	7	22.84	Satisfactory (51-100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	154.61	67.13	7.5	23.08				
		Natraj Hotel		Commercial	162.3	66.54	8.05	24.09				
		Shivaji Nagar	CAAQMS	Residential	72.76	30.96	3.4	13.95				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	114.5	49.66	10.38	16.05	Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	106.79	49.3	6	37.52				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	133.57	78.01	6.34	21.07	Poor (201-300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial		-						
		Nagar Nigam Roorkee	Manual	Commercial	135.28	-	-	-				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	115.61	-	13.29	17.98	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	126.41	40.16	8.76	27.64				
7	Uttarkashi	CMO Office	Manual	Commercial	30.17	14.29	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	36.82	23.58	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	44.51	20.5	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	24.75	9.42	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	50.11	29.75	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	48.23	27.1	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	90.32	-	-	-				

Uttarakhand Ambient Air Quality Characteristics

Uttarakhand Pollution Control Board

MONTH- MARCH 2024

Category					PM10		PM2.5		SO2		NO2	
Unit					µg/ m3							
Time					Annual	24 hr	Annual	24hr	Annual	24hr	Annual	24hr
Industrial, Residential, Rural and Other Area												
Ecologically sensitive area (notified by Central Govt.)					60	100	40	60	20	80	30	80
S.No.	Name of City	Location	Monitoring	Category	Pollutants							
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	210.65	98.54	10.97	21.09	Good (0-50)	Minimal Impact		
		ISBT		Residential	212.76	98.41	12.01	21.27				
		Raipur		Residential	209.96	90.54	9.01	20.02				
		Doon University	CAAQMS	Residential	85.6	38.6	1.2	1.7				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	135.23	61.3	7.6	23.02	Satisfactory (51-100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	114.95	65.18	7.06	22.06				
		Natraj Hotel		Commercial	148.55	70.72	7.59	23.03				
		Shivaji Nagar	CAAQMS	Residential	62.68	27.3	3.43	4.06				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	112.76	51.45	10.8	20.41	Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	84.24	45.42	6.33	8.03				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	132.62	85.73	6.87	21.65	Poor (201-300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	133.22	-	8.29	20.98				
		Nagar Nigam Roorkee	Manual	Commercial	126.84	-	-	-				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	113.21	-	13.33	21.77	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	120.84	37.9	7.7	26.28				
7	Uttarkashi	CMO Office	Manual	Commercial	31.15	15.07	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	37.09	23.6	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	34.53	14.07	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	19.16	5.06	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	44.8	26.4	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	41.48	24.01	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	57.61	-	-	-				

Uttarakhand Ambient Air Quality Characteristics

Uttarakhand Pollution Control Board

MONTH- FEBRUARY 2024

Category					PM10		PM2.5		SO2		NO2	
Unit					µg/m3							
Time					Annual	24 hr	Annual	24hr	Annual	24hr	Annual	24hr
Industrial, Residential, Rural and Other Area												
Ecologically sensitive area (notified by Central Govt.)					60	100	40	60	20	80	30	80
S.No.	Name of City	Location	Monitoring	Category	Pollutants							
					PM10	PM2.5	SO2	NO2				
					µg/m3							
1	Dehradun	Clock Tower	Manual	Residential	189.85	93.26	11.76	21.54	Good (0-50)	Minimal Impact		
		ISBT		Residential	195.74	94.63	11.14	20.93				
		Raipur		Residential	184.53	89.01	8.53	19.99				
		Doon University	CAAQMS	Residential	88.6	51.8	0.9	2.8				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	130.01	60.89	8.24	22.43	Satisfactory (51-100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	128.63	58.87	8.07	21.58				
		Natraj Hotel		Commercial	134.15	64.33	8.82	22.72				
		Shivaji Nagar	CAAQMS	Residential	55.33	29.98	3.66	9.1				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	117.2	54.07	12.25	22.06	Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	87.82	50.12	6.22	12.12				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	130.51		7.98	22.02	Poor (201-300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial		53.01						
		Nagar Nigam Roorkee	Manual	Commercial	128.26							
5	Rudrapur	Govt. Hospital	Manual	Sensitive	114.75		13.78	23.12	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	122.79	40.01	8.11	26.4				
7	Uttarkashi	CMO Office	Manual	Commercial	29.23	16.81			Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	37.64	27.33						
9	Pauri	Nagar Palika Parishad	Manual	Commercial	29.03	13.51						
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	23.44	7.43						
11	Almora	Vikas Bhawan	Manual	Commercial	46.26	25.97						
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	41.23	24.76						
13	Nainital	Nagar Palika Parishad	Manual	Commercial	55.4							

Uttarakhand Ambient Air Quality Characteristics

Uttarakhand Pollution Control Board

MONTH- JANUARY 2024

Category					PM10		PM2.5		SO2		NO2	
Unit					µg/ m3							
Time					Annual	24 hr	Annual	24hr	Annual	24hr	Annual	24hr
Industrial, Residential, Rural and Other Area												
Ecologically sensitive area (notified by Central Govt.)					60	100	40	60	20	80	30	80
S.No.	Name of City	Location	Monitoring	Category	Pollutants							
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	214.98	97.67	11.78	21.33	Good (0-50)	Minimal Impact		
		ISBT		Residential	224.96	98.87	11.03	20.94				
		Raipur		Residential	203.36	91.56	8.47	19.58				
		Doon University	CAAQMS	Residential	146.2	107.2	1	3.5				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	164.23	66.76	8.71	22.71	Satisfactory (51-100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	162.79	63.93	9.23	22.44				
		Natraj Hotel		Commercial	170.35	72.83	9.16	22.7				
		Shivaji Nagar	CAAQMS	Residential	95.36	54.29	3.77	8.68				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	111.66	51.22	12.79	23.71	Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	126.04	80.43	6.59	41.54				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	129.46	89.34	7.24	21.56	Poor (201-300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	-	-	-	-				
		Nagar Nigam Roorkee	Manual	Commercial	-	-	-	-				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	112.68		14.89	24.11	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	119.85	36.31	8.05	26.2				
7	Uttarkashi	CMO Office	Manual	Commercial	28.53	Inst. Fail.			Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	31.31	15.98						
9	Pauri	Nagar Palika Parishad	Manual	Commercial	30.80	16.53						
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	23.44	7.13						
11	Almora	Vikas Bhawan	Manual	Commercial	58.77	29.87						
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	47.43	28.17						
13	Nainital	Nagar Palika Parishad	Manual	Commercial	55.2	94.1						