

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
Yearly Average 2023												
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	181.64	88.69	13.45	20.71				
		ISBT		Residential	184.10	90.33	15.12	21.77				
		Raipur		Residential	173.63	82.94	12.65	19.73				
		Doon University	CAAQMS	Residential	67.66	33.59	1.43	1.39				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	135.83	64.67	13.73	20.37	Good (0–50)	Minimal Impact		
		SPS Hospital		Commercial	137.41	69.73	13.27	20.25				
		Natraj Hotel		Commercial	147.62	74.45	14.52	21.06				
		Shivaji Nagar	CAAQMS	Residential	51.06	25.25	5.91	7.262				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	114.71	63.81	11.97	17.32	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		Govt. Girls Inter College	CAAQMS	Sensitive	89.43	33.50	4.87	21.04				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	129.22	81.06	7.87	20.41	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Rishikul	Manual	Industrial	127.55	81.31	12.06	23.70				
		Nagar Nigam Roorkee	Manual	Commercial	118.13	55.7	13.18	20.17				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	117.87	-	14.65	18.57	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	115.88	25.89	7.89	32.52				
7	Uttarkashi	CMO Office	Manual	Commercial	25.59	18.52	-	-				
8	Tehri	Nagar Palika Parishad	Manual	Commercial	32.57	19.95	-	-	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
9	Pauri	Nagar Palika Parishad	Manual	Commercial	33.27	16.00	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	28.47	15.97	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	42.43	25.47	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	39.01	22.52	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	59.70	-	-	-				

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- DECEMBER 2023												
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	198.05	94.75	11.68	20.92	Good (0–50)	Minimal Impact		
		ISBT		Residential	208.52	93.55	10.97	21.14				
		Raipur		Residential	178.57	90.96	8.06	19.14				
		Doon University	CAAQMS	Residential	103	67.8	0.8	3.2				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	143.66	64.38	9.98	20.73	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	148.56	68.22	9.14	20.75				
		Natraj Hotel		Commercial	157.83	61.37	10.97	22.48				
		Shivaji Nagar	CAAQMS	Residential	68.1	40.15	3.44	10.73				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	113.95	51.54	10.0	24.26	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	106.79	49.30	6.00	37.52				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	130.07	82.10	7.25	20.65	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	125.22	76.46	8.45	20.50				
		Nagar Nigam Roorkee	Manual	Commercial	124.68	-	8.09	18.67				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	113.3	-	13.83	24.86	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	117.96	36.45	7.9	26.36				
7	Uttarkashi	CMO Office	Manual	Commercial	26.47	12.91	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	33.75	20.57	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	38.05	19.50	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	18.28	5.85	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	50.25	31.18	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	44.98	27.08	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	61.96	-	-	-				

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- NOVEMBER 2023												
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	209.05	95.97	9.93	20.27	Good (0–50)	Minimal Impact		
		ISBT		Residential	202.16	97.46	10.41	20.11				
		Raipur		Residential	186.09	93.97	7.45	18.95				
		Doon University	CAAQMS	Residential	95.3	55.5	0.8	2.8				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	144.76	51.28	11.81	22.84	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	141.54	49.73	12.11	22.75				
		Natraj Hotel		Commercial	146.63	55.21	13.85	24.3				
		Shivaji Nagar	CAAQMS	Residential	51.48	20.73	4.97	5.49				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	116.9	-	12.01	22.69	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	110.65	47.98	6.27	38				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	130.73	94.88	7.58	21.46	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	132.05	93.76	10.93	21.83				
		Nagar Nigam Roorkee	Manual	Commercial	132.08	-	10.47	21				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	120.66	-	16.69	25.57	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	131.68	45.25	9.95	28.91				
7	Uttarkashi	CMO Office	Manual	Commercial	26.47	12.91	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	33.75	20.57	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	32.5	11.61	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	35.51	12.89	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	53.36	32.87	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	50.95	29.73	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	67.96	-	-	-				

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- OCTOBER 2023												
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	188.88	94.28	8.46	19.48	Good (0–50)	Minimal Impact		
		ISBT		Residential	187.72	91.45	10.2	21.05				
		Raipur		Residential	167.36	85.56	6.74	17.78				
		Doon University	CAAQMS	Residential	82.2	36.6	1.4	1.8				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	149.45	57.03	10.85	21	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	142.54	57.37	9.8	20.32				
		Natraj Hotel		Commercial	176.75	130.55	10.25	22.03				
		Shivaji Nagar	CAAQMS	Residential	47.49	24.91	4.85	7.62				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	112.01	74.89	15.12	19.67	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	136.12	54.22	4.98	28.76				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	129.25	92.61	7.18	22.32	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	124.96	87.26	12.53	25.98				
		Nagar Nigam Roorkee	Manual	Commercial	118.71	-	9.49	21.79				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	112.3	-	16.93	21.24	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	115.45	33.87	7.92	26.76				
7	Uttarkashi	CMO Office	Manual	Commercial	33.49	18.81	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	31.94	15.35	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	31.16	13.54	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	25.52	10.16	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	42.91	26.96	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	44.01	23.71	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	62.05	-	-	-				

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- SEPTEMBER 2023												
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	168.44	81.19	7.18	19.11	Good (0–50)	Minimal Impact		
		ISBT		Residential	165.52	77.58	8.65	20.27				
		Raipur		Residential	153.98	72.61	5.36	16.99				
		Doon University	CAAQMS	Residential	22.2	28.07	1.57	0.91				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	125.05	55.12	10.6	18.61	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	129.71	58.65	9.58	18.54				
		Natraj Hotel		Commercial	135.38	56.74	10.58	18.65				
		Shivaji Nagar	CAAQMS	Residential	38.91	21.47	4.89	9.08				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	110.88	62.76	10.33	16.89	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	76.52	18.96	0.04	10.54				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	129.44	89.51	5.9	19.9	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	130.59	85.28	10.43	24.1				
		Nagar Nigam Roorkee	Manual	Commercial	121.16	9.47	21.82	-				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	113.96	-	15.5	19.7	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	114.35	31.7	7.88	26.19				
7	Uttarkashi	CMO Office	Manual	Commercial	28.61	14.51	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	35.54	23.51	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	21.44	6.02	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	25.42	10.16	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	42.54	25.93	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	38.52	20.32	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	56.86	-	-	-				

Uttarakhand Ambient Air Quality Characteristics														
Uttarakhand Pollution Control Board														
MONTH- AUGUST 2023														
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				Good (0–50)	Minimal Impact				
					PM10	PM2.5	SO2	NO2						
					µg/ m3									
1	Dehradun	Clock Tower	Manual	Residential	125.87	68.05	8.53	20.15						
		ISBT		Residential	145.21	65.92	9.15	22.91						
		Raipur		Residential	130.14	59.96	6.21	17.46						
		Doon University	CAAQMS	Residential	32.12	28.07	1.57	0.91						
		Cumulative concentration												
2	Rishikesh	Nagar Nigam	Manual	Commercial	81	41.06	10.08	15.65			Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	86.62	47.12	9.81	16.22						
		Natraj Hotel		Commercial	92.37	44.17	11.96	18.15						
		Shivaji Nagar	CAAQMS	Residential	36.11	18.08	4.32	10.85						
		Cumulative concentration												
3	Kashipur	Govt. Hospital	Manual	Sensitive	99.78	59.39	9.56	14.35	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults				
		Govt. Girls Inter College	CAAQMS	Sensitive	73.9	16.73	4.01	9.8						
		Cumulative concentration												
4	Haridwar	SIDCUL	Manual	Industrial	127.04	73.34	5.45	17.49	Poor (201–300)	Breathing discomfort to people on prolonged exposure				
		Rishikul	Manual	Industrial	129.27	80.19	11.53	23.58						
		Nagar Nigam Roorkee	Manual	Commercial	115.26	9.78	21.78	-						
5	Rudrapur	Govt. Hospital	Manual	Sensitive	110.04	-	13.16	17.26	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure				
6	Haldwani	Jal Sansthan	Manual	Commercial	110.36	25.61	7.25	24.22						
7	Uttarkashi	CMO Office	Manual	Commercial	23.36	12.84	-	-						
8	Tehri	Nagar Palika Parishad	Manual	Commercial	21.54	12.05	-	-	Severe (>401)	Respiratory effects even on healthy people				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	19.22	5.98	-	-						
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	25.08	10.09	-	-						
11	Almora	Vikas Bhawan	Manual	Commercial	36.73	23.97	-	-						
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	37.5	20.05	-	-						
13	Nainital	Nagar Palika Parishad	Manual	Commercial	61.12	-	-	-						

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people



Uttarakhand Ambient Air Quality Characteristics														
Uttarakhand Pollution Control Board														
MONTH- JULY 2023														
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				Good (0–50)	Minimal Impact				
					PM10	PM2.5	SO2	NO2						
					µg/ m3									
1	Dehradun	Clock Tower	Manual	Residential	131.67	71.95	16.4	22						
		ISBT		Residential	148.03		21.88	23.57						
		Raipur		Residential	121	68.13	13.35	17.85						
		Doon University	CAAQMS	Residential	26.42	11.57	1.16	1.11						
		Cumulative concentration												
2	Rishikesh	Nagar Nigam	Manual	Commercial	99.62	39.94	14.2	18.96			Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	85.12	45.61	11.89	17.55						
		Natraj Hotel		Commercial	117.47	56.89	13.92	17.18						
		Shivaji Nagar	CAAQMS	Residential	38.76	19.21	5.81	4.57						
		Cumulative concentration												
3	Kashipur	Govt. Hospital	Manual	Sensitive	109.14	IF	7.76	14.48	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults				
		Govt. Girls Inter College	CAAQMS	Sensitive	40.86	10.96	10.18	2.84						
		Cumulative concentration												
4	Haridwar	SIDCUL	Manual	Industrial	128.66	66.21	5.13	16.25	Poor (201–300)	Breathing discomfort to people on prolonged exposure				
		Rishikul	Manual	Industrial	-	62.02	-	-						
		Nagar Nigam Roorkee	Manual	Commercial	116.37	-	11.11	18.05						
5	Rudrapur	Govt. Hospital	Manual	Sensitive	114.6	-	11.93	13.58	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure				
6	Haldwani	Jal Sansthan	Manual	Commercial	109.53	26.35	7.18	23.96						
7	Uttarkashi	CMO Office	Manual	Commercial	16.81	Rainfall	-	-						
8	Tehri	Nagar Palika Parishad	Manual	Commercial	14.28	4.55	-	-	Severe (>401)	Respiratory effects even on healthy people				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	19.42	6.87	-	-						
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	24.44	10.71	-	-						
11	Almora	Vikas Bhawan	Manual	Commercial	47.91	28.77	-	-						
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	42.88	23.47	-	-						
13	Nainital	Nagar Palika Parishad	Manual	Commercial	59.37	-	-	-						

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- JUNE 2023												
Category					PM10		PM2.5		SO2		NO2	
Unit					µg/ m3							
Time					Annual	24 hr	Annua l	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				Good (0–50)	Minimal Impact		
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	-	-	-	-				
		ISBT		Residential	-	-	-	-				
		Raipur		Residential	-	-	-	-				
		Doon University	CAAQMS	Residential	57	22.5	2.02	1.27				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	161.32	92.58	18.08	23.37			Satisfactory (51–100)	Minor breathing discomfort to sensitive people
		SPS Hospital		Commercial	167.07	98.87	19.06	23.27				
		Natraj Hotel		Commercial	172.9	108.72	18	23.02				
		Shivaji Nagar	CAAQMS	Residential	46.64	22.6	4.11	4.43				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	109.56	58.63	11.76	16.28	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	NA							
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial					Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	131.24	79.51	14.2	23.78				
		Nagar Nigam Roorkee	Manual	Commercial	118.22	-	12.36	20.14				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	117.21	-	14.52	17.21	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	111.02	28.68	7.4	24.33				
7	Uttarkashi	CMO Office	Manual	Commercial	26.76	22.9	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	36.14	17.7	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	31.49	13.95	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	28.42	11.72	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	43.6	24.2	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	37.95	23.06	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	65.88	-	-	-				



Uttarakhand Ambient Air Quality Characteristics														
Uttarakhand Pollution Control Board														
MONTH- MAY 2023														
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				Good (0–50)	Minimal Impact				
					PM10	PM2.5	SO2	NO2						
					µg/ m3									
1	Dehradun	Clock Tower	Manual	Residential	196.14	100.23	17.85	21.83						
		ISBT		Residential	199.12	99.75	19.89	22.76						
		Raipur		Residential	179.83	91.79	18.1	21.42						
		Doon University	CAAQMS	Residential	77.92	31.83	2.16	0.78						
		Cumulative concentration												
2	Rishikesh	Nagar Nigam	Manual	Commercial	159.26	100.71	17.64	22.3			Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	162.79	101.01	18.14	22.98						
		Natraj Hotel		Commercial	173	84.48	17.55	22.9						
		Shivaji Nagar	CAAQMS	Residential	52.51	25.92	7.85	5.49						
		Cumulative concentration												
3	Kashipur	Govt. Hospital	Manual	Sensitive	115.59	66.81	10.58	13.46	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults				
		Govt. Girls Inter College	CAAQMS	Sensitive	NA									
		Cumulative concentration												
4	Haridwar	SIDCUL	Manual	Industrial	135.17	91.92	8.6	21.17	Poor (201–300)	Breathing discomfort to people on prolonged exposure				
		Rishikul	Manual	Industrial	137.22	95.56	12.46	28.59						
		Nagar Nigam Roorkee	Manual	Commercial	121.04	-	13.4	20.88						
5	Rudrapur	Govt. Hospital	Manual	Sensitive	121.06	-	13.04	15.07	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure				
6	Haldwani	Jal Sansthan	Manual	Commercial	118.05	37.63	8.28	26.9						
7	Uttarkashi	CMO Office	Manual	Commercial	30.75	23.08	-	-						
8	Tehri	Nagar Palika Parishad	Manual	Commercial	39.46	23.36	-	-	Severe (>401)	Respiratory effects even on healthy people				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	33.09	14.43	-	-						
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	23.89	14.65	-	-						
11	Almora	Vikas Bhawan	Manual	Commercial	40.86	-	-	-						
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	33.44	-	-	-						
13	Nainital	Nagar Palika Parishad	Manual	Commercial	64.08	-	-	-						

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- APRIL 2023												
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				Good (0–50)	Minimal Impact		
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	199.9	96.47	18.07	22.38				
		ISBT		Residential	206.34	96.06	19.73	22.78				
		Raipur		Residential	181.34	92.04	18.34	21.84				
		Doon University	CAAQMS	Residential	79.57	29.48	1.76	0.87				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	144.51	75.42	15.41	19.62			Satisfactory (51–100)	Minor breathing discomfort to sensitive people
		SPS Hospital		Commercial	151.96	82.98	16.96	20.07				
		Natraj Hotel		Commercial	159.84	82.06	17.52	21.63				
		Shivaji Nagar	CAAQMS	Residential	53.13	25.39	7.78	5.53				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	121.43	60.89	11.55	15.82	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	NA							
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	132.79	73.24	8.49	19.41	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	111.28	IF	13.96	25.47				
		Nagar Nigam Roorkee	Manual	Commercial	118.53	103.74	12.84	20.46				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	122.18	-	13.27	16.72	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	117.1	33.23	7.86	26.67				
7	Uttarkashi	CMO Office	Manual	Commercial	27.13	22.11	-	-				
8	Tehri	Nagar Palika Parishad	Manual	Commercial	33.68	17.27	-	-	Severe (>401)	Respiratory effects even on healthy people		
9	Pauri	Nagar Palika Parishad	Manual	Commercial	40.99	18.12	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	29.4	18.08	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	42.81	-	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	36.07	-	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	53.95	-	-	-				

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- MARCH 2023												
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	210.49	96.28	16.93	20.76	Good (0–50)	Minimal Impact		
		ISBT		Residential	202.18	94.94	18.95	21.48				
		Raipur		Residential	206.2	91.04	19.3	22.16				
		Doon University	CAAQMS	Residential	73.62	20.31	1.42	0.81				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	137.38	60.8	14.68	18.73	Satisfactory (51–100)	Minor breathing discomfort to sensitive people		
		SPS Hospital		Commercial	143.99	71.32	14.35	19.18				
		Natraj Hotel		Commercial	142.68	67.99	16.29	19.42				
		Shivaji Nagar	CAAQMS	Residential	48.16	22.15	5.92	7.29				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	123.69	62.94	14.95	18.91	Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults		
		Govt. Girls Inter College	CAAQMS	Sensitive	81.19	36.37	2.06	19.85				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	123.32	73.94	9.76	20.83	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Rishikul	Manual	Industrial	132.79	73.5	13.14	24.19				
		Nagar Nigam Roorkee	Manual	Commercial	108	-	12.71	20.71				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	127.3	-	14.7	18.61	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
6	Haldwani	Jal Sansthan	Manual	Commercial	115.25	29.98	7.85	25.59				
7	Uttarkashi	CMO Office	Manual	Commercial	20.76	16.19	-	-	Severe (>401)	Respiratory effects even on healthy people		
8	Tehri	Nagar Palika Parishad	Manual	Commercial	32.94	16.91	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	42.47	24.34	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	33.25	24.1	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	34.4	19.55	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	35.51	19.01	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	57.11	-	-	-				
						-	-	-				

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- FEBRUARY 2023												
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	203.19	95.11	17.43	21.3				
		ISBT		Residential	183.1	94.14	18.07	21.76				
		Raipur		Residential	212.2	89.12	19.89	22.94				
		Doon University	CAAQMS	Residential	93.43	31.45	1.99	0.62				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	146.01	72.04	16.19	21.69				
		SPS Hospital		Commercial	149.88	79.06	14.18	21.24				
		Natraj Hotel		Commercial	148.71	74.98	16.02	21.56				
		Shivaji Nagar	CAAQMS	Residential	80.47	37.15	11.09	8.81				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	125.04	64.16	16.05	20.69				
		Govt. Girls Inter College	CAAQMS	Sensitive	125.01	56.75	5.48	28.91				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	127.62	75.01	9.77	22.09				
		Rishikul	Manual	Industrial	128.18	74.24	13.3	22.32				
		Nagar Nigam Roorkee	Manual	Commercial	114.03	99.81	12.62	21.72				
5	Rudrapur	Govt. Hospital	Manual	Sensitive								
6	Haldwani	Jal Sansthan	Manual	Commercial	115.11	29.26	7.41	24.87				
7	Uttarkashi	CMO Office	Manual	Commercial	23.27	23.73	-	-				
8	Tehri	Nagar Palika Parishad	Manual	Commercial	38.93	33.81	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	44.71	28.85	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	36.26	31.62	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	37.96	19.53	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	33.54	17.55	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	54.93	-	-	-				

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Good (0–50)	Minimal Impact
Satisfactory (51–100)	Minor breathing discomfort to sensitive people
Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
Poor (201–300)	Breathing discomfort to people on prolonged exposure
Very Poor (301–400)	Respiratory illness to the people on prolonged exposure
Severe (>401)	Respiratory effects even on healthy people

Uttarakhand Ambient Air Quality Characteristics												
Uttarakhand Pollution Control Board												
MONTH- JANUARY 2023												
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				Good (0–50)	Minimal Impact		
					PM10	PM2.5	SO2	NO2				
					µg/ m3							
1	Dehradun	Clock Tower	Manual	Residential	166.33	81.27	15.45	19.61			Satisfactory (51–100)	Minor breathing discomfort to sensitive people
		ISBT		Residential	177.16	92.4	18.37	21.63				
		Raipur		Residential	193.21	77.15	16.39	20.48				
		Doon University	CAAQMS	Residential	69.21	39.97	0.53	1.61				
		Cumulative concentration										
2	Rishikesh	Nagar Nigam	Manual	Commercial	137.91	65.63	15.25	20.9			Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults
		SPS Hospital		Commercial	139.08	76.84	14.24	20.11				
		Natraj Hotel		Commercial	147.88	70.18	17.29	21.4				
		Shivaji Nagar	CAAQMS	Residential	-	-	-	-				
		Cumulative concentration										
3	Kashipur	Govt. Hospital	Manual	Sensitive	117.75	59.1	16.83	20.92	Poor (201–300)	Breathing discomfort to people on prolonged exposure		
		Govt. Girls Inter College	CAAQMS	Sensitive	-	-	-	-				
		Cumulative concentration										
4	Haridwar	SIDCUL	Manual	Industrial	127.3	78.91	11.49	22.92	Very Poor (301–400)	Respiratory illness to the people on prolonged exposure		
		Rishikul	Manual	Industrial	133.3	84.79	13.52	24				
		Nagar Nigam Roorkee	Manual	Commercial	109.52	-	11.53	18.32				
5	Rudrapur	Govt. Hospital	Manual	Sensitive	119.35	-	16.78	20.76	Severe (>401)	Respiratory effects even on healthy people		
6	Haldwani	Jal Sansthan	Manual	Commercial	114.69	32.23	7.81	25.91				
7	Uttarkashi	CMO Office	Manual	Commercial	23.27	23.73	-	-				
8	Tehri	Nagar Palika Parishad	Manual	Commercial	38.93	33.81	-	-				
9	Pauri	Nagar Palika Parishad	Manual	Commercial	44.71	28.85	-	-				
10	Gopeshwar	Nagar Palika Parishad	Manual	Commercial	36.26	31.62	-	-				
11	Almora	Vikas Bhawan	Manual	Commercial	35.91	21.76	-	-				
12	Bageshwar	Nagar Palika Parishad	Manual	Commercial	32.86	21.23	-	-				
13	Nainital	Nagar Palika Parishad	Manual	Commercial	51.18	-	-	-				