

Ambient Air Quality Status of different cities & towns of Odisha during -2023

Area with monitoring stations under NAMP/SAMP	No. of Obs (no of days monitored)	Annual Average Value (24 hourly) except O ₃ (8 hourly) (Range values of daily or 24 hourly average)						% exceeding prescribed standard values of annual avg.		AQI of annual avg. Value	Overall AQI of the City (with annual avg. prominent pollutant)	Category
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	% exceeding prescribed standard values of daily or 24 hourly average				
								PM ₁₀	PM _{2.5}			
(values expressed in microgram per cubic meter)												
Angul												
1. SPCB Office Building, Hakimpada	104	105 (45-243)	50 (16-133)	11.6 (BDL-22.3)	22.4 (10-33.5)	32.3 (BDL-57.0)	28.2 (BDL-53.3)	75%	25%	103 (PM ₁₀)	94 (PM ₁₀)	Satisfactory
2. NALCO Nagar	104	104 (46-177)	39 (14-83)	10.4 (6.3-18.1)	28.0 (21.8-32.2)	33.8 (26.4-41.7)	BDL (BDL-29.6)	62%	22%	103 (PM ₁₀)		
3. Sikshyakapada	66	76 (40-253)	37 (20-115)	10.9 (4.8-23.9)	16.0 (9.6-30.1)	BDL (BDL-32.3)	26.7 (BDL-51.2)	73%	-	76 (PM ₁₀)		
Talcher												
4. Talcher Thermal Township (NTPC-TTPS)	104	109 (44-201)	43 (14-93)	10.8 (5.7-21.2)	26.7 (19.1-35.0)	34.7 (23.8-46.4)	BDL (BDL-26.9)	81.6%	7.5%	106 (PM ₁₀)	106 (PM ₁₀)	Moderate
5. Mahanadi Coal Fields area (Bharatpur Guest House)	104	115 (41-257)	39 (16-148)	10.6 (7.0-26.7)	28.8 (19.7-37.6)	27.9 (BDL-39.4)	BDL (BDL-29.8)	55.7%	11.5%	110 (PM ₁₀)		
6. Champapasi village (Mahanadi Coal Fields area)	74	102 (51-234)	50 (24-129)	13.7 (8.3-23.3)	18.8 (11.4-32.0)	33.7 (26.0-44.7)	30.8 (BDL-41.3)	91.6%	-	101 (PM ₁₀)		
Balasore												
7. SPCB Office Building, Ganeswarpur	104	89 (43-290)	53 (18-120)	BDL (BDL-9.4)	10.7 (9.4-14.1)	23.2 (22.0-28.0)	24.3 (23.0-29.0)	48%	32.5%	89 (PM ₁₀)	90 (PM ₁₀)	Satisfactory
8. Oriplast premises, OT road	104	84 (45-220)	50 (18-116)	BDL (BDL-8.4)	10.6 (10.0-12.0)	23.1 (22.0-25.0)	24.0 (22.0-26.0)	23%	32.6%	84 (PM ₁₀)		
9. Balgopalpur Industrial Area, Rasulpur	104	97 (56-246)	58 (21-132)	7.9 (7.0-10.6)	11.5 (10.7-17.5)	23.9 (23.0-26.0)	25.5 (24.0-29.0)	40%	25%	97 (PM ₁₀ & PM _{2.5})		
Berhampur												
10. SPCB Office Building, Ankuli I.E.	102	87 (23-410)	48 (13-223)	BDL (BDL-26.7)	15.9 (13.3-32.8)	32.2 (27.3-57.1)	28.3 (BDL-44.6)	61.6%	45%	87 (PM ₁₀)	87 (PM ₁₀)	Satisfactory
								27.8%	50.9%			
Kandhamal												
11. G. Udayagiri	73	59 (22-88)	23 (13-42)	4.8 (BDL-7.4)	13.9 (9.7-18.0)	-	-	-	-	59 (PM ₁₀)	51 (PM ₁₀)	Satisfactory
12. Phulbani	74	42 (32-149)	23 (11-62)	5.1 (BDL-14.7)	15.5 (12.7-25.1)	-	-	1.3%	1.3%	42 (PM ₁₀)		

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								% exceeding prescribed standard values of daily or 24 hourly average					
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	PM ₁₀	PM _{2.5}				
		(values are expressed in microgram per cubic meter)											
Bhubaneswar													
13. SPCB Office Building, Nilakanthanagar	100	100 (43-428)	46 (17-232)	BDL (BDL-13.6)	16.6 (11.9-40.7)	69.3 (24.9-86.6)	27.6 (21.6-77.3)	66.6% 50%	15% 7%	100 (PM ₁₀)	103 (PM ₁₀)	Moderate	
14. I.R.C. Village, Nayapalli	98	92 (31-194)	36 (15-79)	BDL (BDL-17.8)	14.6 (BDL-45.3)	39.2 (24.2-72.8)	26.8 (24.0-32.8)	53.3% 40.8%	- 14.2%	92 (PM ₁₀)			
15. Capital Police Station	104	109 (31-424)	43 (17-232)	BDL (BDL-18.1)	16.8 (11.5-43.0)	43.7 (31.6-65.9)	27.3 (BDL-31.0)	81.6% 48%	7.5% 21.1%	106 (PM ₁₀)			
16.SPCB Office Building, Chandrasekharapur	105	110 (41-357)	46 (16-201)	BDL (BDL-20.5)	16.4 (11.5-29.1)	45.6 (33.8-103.1)	28.0 (23.6-40.1)	83.3% 51.4%	15% 17.1%	107 (PM ₁₀)			
17. Khandagiri Police Station	108	117 (30-405)	46 (11-183)	BDL (BDL-18.4)	18.1 (11.8-44.1)	38.4 (23.7-143.5)	28.5 (23.1-34.7)	95% 52.7%	15% 24%	111 (PM ₁₀)			
18.Palasuni Water Works	109	104 (24-404)	41 (14-219)	BDL (BDL-14.3)	16.1 (10.4-35.9)	36.6 (23.4-119)	26.5 (BDL-30.7)	73.3% 47.7%	2.5% 15.5%	103 (PM ₁₀)			
Bonaigarh, Sundargarh													
19. Bonai Govt. Hospital (CHC)	104	120 (38-174)	52 (33-122)	12.7 (9.2-21.8)	14.5 (10.7-24.7)	23.1 (22.2-26.3)	23.9 (21.2-26.7)	100% 73%	30% 11.5%	113 (PM ₁₀)			113 (PM ₁₀)
Cuttack													
20. Hotel Bishal Inn, Badambadi	103	100 (61-150)	32 (15-133)	BDL (BDL-8.3)	17.9 (13.0-23.0)	43.4 (35.0-52.5)	34.4 (27.0-40.7)	66.6% 46.6%	- 0.9%	100 (PM ₁₀)	104 (PM ₁₀)	Moderate	
21. SPCB Office Building, Surya Vihar	104	112 (63-168)	37 (22-67)	5.1 (BDL-6.9)	20.8 (16.2-24.7)	46.8 (36.2-64.5)	40.0 (28.8-47.1)	86.6% 69.2%	- 0.9%	108 (PM ₁₀)			
22.PHD Office, Barabati	104	105 (62-117)	35 (21-71)	BDL (BDL-7.0)	19.3 (15.7-27.6)	37.1 (29.8-58.6)	34.7 (28.9-41.3)	75% 49.%	- 3.8%	103 (PM ₁₀)			
Jharsuguda													
23. SPCB Office Building, Cox Colony, Babubagicha	105	112 (77-185)	54 (30-89)	8.6 (6.8-31.8)	13.3 (11.0-25.4)	23.2 (BDL-30.8)	BDL (BDL-26.8)	86.6% 65.7%	35% 33.3%	108 (PM ₁₀)	107 (PM ₁₀)	Moderate	
24.Inside TRL Colony Premises	105	115 (82-180)	58 (23-89)	8.6 (7.1-30.7)	14.4 (13.3-23.0)	24.9 (26.3-29.5)	23.3 (BDL-28.0)	91.6% 75.2%	45% 46%	110 (PM ₁₀)			
25. Maa Samaleswari Nagar, Brundamal	78	104 (77-172)	49 (29-79)	8.3 (6.7-28.2)	13.1 (11.3-23.2)	23.8 (BDL-30.4)	BDL (BDL-26.8)	73.3% 53.8%	22.5% 25.6%	103 (PM ₁₀)			
Kalinga Nagar													
26. BRPL Guest House (Near TATA Guest House)	74	92 (33-134)	41 (18-73)	6.6 (4.1-9.8)	13.3 (11.8-18.9)	32.0 (29.4-34.8)	23.1 (21.4-25.9)	53.3% 44.5%	2.5% 6.7%	92 (PM ₁₀)	97 (PM ₁₀)	Satisfactory	
27. SPCB Office Building	87	98 (38-171)	49 (19-85)	6.6 (4.5-9.4)	13.0 (10.5-17.7)	30.0 (23.4-35.5)	22.9 (BDL-26.5)	63.3% 49.4%	22.5% 21.8%	98 (PM ₁₀)			
28.DET Hostel (Tata Steel)	89	103 (58-135)	49 (28-74)	6.5 (BDL-10.8)	25.2 (11.8-19.9)	31.4 (23.9-37.1)	22.3 (21.3-23.9)	71.6% 65.1%	22.5% 16.8%	102 (PM ₁₀)			
Keonjhar													
29. SPCB Office Building, Baniapat	102	97 (28-197)	50 (14-118)	BDL (BDL-BDL)	11.8 (BDL-19.7)	33.6 (21.8-55.4)	-	61.6% 31.3%	25% 33.3%	97 (PM ₁₀)	97 (PM ₁₀)	Satisfactory	
Konark													
30. Konark Police Station	104	64 (26-286)	28 (14-112)	BDL (BDL-8.2)	12.1 (9.6-28.7)	33.4 (21.0-71.8)	24.5 (22.2-28.8)	6.6% 12.5%	- 0.9%	64 (PM ₁₀)	64 (PM ₁₀)	Satisfactory	

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		PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	% exceeding prescribed standard values of daily or 24 hourly average				
								PM ₁₀	PM _{2.5}			
(values are expressed in microgram per cubic meter)												
Paradeep												
31.PPL Guest House	103	93 (43-197)	45 (16-93)	14.9 (9.7-26.0)	10.2 (BDL-18.4)	113 (92-138)	BDL (BDL-31.6)	55%	12.5%	93 (PM ₁₀)	90 (PM ₁₀)	Satisfactory
32. IFFCO (STP area)	103	93 (45-181)	45 (20-90)	15.9 (10.3-24.0)	11.4 (BDL-16.1)	126 (101-149)	22.2 (BDL-42.0)	32%	22.3%	93 (PM ₁₀)		
33. Paradeep Port Trust (Staff Colony)	103	83 (39-161)	40 (17-81)	13.8 (8.1-23.7)	11.5 (BDL-18.8)	109 (96-129)	BDL (BDL-42.0)	55%	12.5%	83 (PM ₁₀)		
Puri												
34. Sadar Police Station	110	88 57-346	26 17-151	BDL BDL-8.7	12.8 9.5-27.1	41.8 31.8-55.9	BDL BDL-33.9	46.6%	-	88 (PM ₁₀)	93 (PM ₁₀)	Satisfactory
35. Town Police Station	110	97 51-329	26 17-135	BDL BDL-8.3	12.5 9.4-26.8	41.8 34.7-55.7	BDL BDL-33.5	39%	0.9%	97 (PM ₁₀)		
Rayagada												
36. SPCB Office Building, Indiranagar	98	76 30-187	30 4-81	5.3 BDL-17.7	16.6 12.7-27.9	29.4 23.0-39.0	22.5 BDL-36.0	26.6%	-	76 (PM ₁₀)	80 (PM ₁₀)	Satisfactory
37. LPS High School, Jaykaypur	98	83 42-164	34 8-77	10.4 5.0-28.0	20.3 14.7-32.3	35.1 28.0-50.0	24.4 BDL-31.5	1%	1%	83 (PM ₁₀)		
Rajgangpur												
38. DISIR, Rajgangpur	104	110 41-169	44 16-80	12.4 BDL-29.1	15.2 BDL-32.3	20.6 BDL-30.7	26.0 BDL-36.0	83.3%	10%	107 (PM ₁₀)	107 (PM ₁₀)	Moderate
								72.1%	2.1%			
Rourkela												
39. Near Town Engg. Office, Sector-5	104	116 42-229	51 13-178	12.0 10.3-17.5	13.4 11.9-21.5	23.0 21.5-30.7	25.5 21.5-29.6	93.3%	27.5%	111 (PM ₁₀)	136 (PM ₁₀)	Moderate
40. IDL Outpost	104	137 79-206	68 31-123	10.3 7.2-26.5	13.4 10.9-26.5	25.6 21.9-55.6	24.3 21.1-35.8	57.6%	7.6%	127 (PM _{2.5})		
41. IDCO Water Tank, IDC Kalunga	104	185 45-369	53 21-124	12.1 9.3-21.6	15.4 11.3-33.6	25.0 21.8-33.2	26.1 22.4-33.6	128.3%	70%	157 (PM ₁₀)		
42. Kuarmunda Out Post	104	172 51-376	46 10-147	11.7 8.9-14.7	13.3 10.6-27.7	24.6 22.2-28.5	27.0 22.8-50.6	73%	49%	148 (PM ₁₀)		
Sambalpur												
43. PHD Office, Modipara	104	112 32-229	44 14-91	7.8 4.1-21.7	24.7 BDL-38.6	BDL BDL-35.6	BDL BDL-33.1	86.6%	10%	108 (PM ₁₀)	108 PM ₁₀	Moderate
								46.1%	28.8%			
Prescribed standard for daily or 24 hourly average values		100	60	80	80	400	180					
Prescribed standard for annual average values		60	40	50	40	100	100					

N.B:BDL- Below Detectable Limit, PM₁₀ – Particulate Matter ≤ 5 µ size , PM_{2.5} – Particulate Matter ≤ 2 µ size SO₂ – Sulphur Dioxide, NO₂ - Oxides of Nitrogen, NH₃-Ammonia & O₃ – Ozone
BDL Value for SO₂ ≤4 µg/m³, NO₂ ≤ 9 µg/m³, NH₃ ≤20 µg/m³, O₃ ≤20 µg/m³ No percentage of violation of data from 24 hourly average for all monitored gaseous pollutants like SO₂, NO₂, NH₃ & O₃