

Ambient Air Quality Status of different cities & towns of Odisha during -2022

Sl. No.	Area with no of Stations	No. of Obs (no of days monitored)	Annual Average Value (24hourly range) except O ₃ 8-hourly range)							% of violation from 24 hourly standard		Yearly AQI of the monitoring Stations	Overall AQI of the City (with prominent pollutant)	Category
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	Pb	PM ₁₀	PM _{2.5}			
			(values expressed in Microgram per cubic meter)											
Angul (02)														
1	1. RO SPCB, Angul	105	93 (41-125)	38 (15-63)	10.2 (5.0-16.6)	26.3 (15.4-32.1)	46.5 (35.1-57.1)	21.8 (BDL-30.5)	0.031 (0.007-0.080)	33.3%	0.95%	93	99 (PM₁₀)	Satisfactory
	2. NALCO Nagar, Angul	105	107 (60-141)	35 (21-55)	9.8 (7.8-16.6)	28.0 (21.8-33.5)	32.0 (24.6-39.0)	BDL (BDL-21.5)	0.028 (0.004-0.087)	77.1%	Nil	105		
Talcher(02)														
2	3. TTPS , Talcher	104	93 (51-153)	35 (17-67)	10.4 (7.0-17.0)	28.4 (23.5-33.6)	37.7 (34.4-42.1)	BDL (BDL-24.8)	0.028 (BDL-0.070)	37.5%	0.96%	93	101 (PM₁₀)	Moderate
	4.MCL, Talcher	104	114 (55-147)	33 (19-48)	10.1 (6.9-15.2)	28.7 (17.3-31.6)	27.6 (BDL-32.0)	BDL (BDL-29.3)	0.022 (0.007-0.053)	80.7%	Nil	109		
Balasure(03)														
3	5. R.O, SPCB, Ganeswarpur	101	76 (58-115)	47 (35-69)	BDL (BDL-7.9)	10.6 (10.0-14.0)	23.0 (22.0-25.0)	23.5 (22.0-25.0)	NM	2.97%	0.99%	78	80 (PM_{2.5})	Satisfactory
	6. Oriplast, OT road,Balasure	101	77 (58-110)	47 (34-61)	BDL (BDL-7.5)	10.7 (10.3-14.2)	23.2 (22.0-25.0)	23.8 (22.0-26.0)		1.98%	0.99%	78		
	7.Rasalpur,Industrial Estate	101	82 (61-118)	51 (39-65)	7.7 (7.0-9.3)	11.4 (10.6-15.5)	24.1 (23.0-26.0)	24.9 (23.0-26.0)		3.96%	1.98%	85		
Berhampur(01)														
4	8. R.O, SPCB, Brahamanagar	106	65 (30-193)	29 (15-101)	BDL (BDL-8.2)	20.4 (15.0-24.9)	48.8 (29.5-84.6)	39.9 (27.6-77.4)	0.032 (BDL-0.135)	13.2%	7.54%	65	65 (PM₁₀)	Satisfactory
Bhubaneswar(06)														
5	9. SPCB Office Building, Unit-VIII	82	90 (33-220)	37 (13-86)	BDL (BDL-11.0)	16.7 (13.9-36.4)	34.2 (22.2-77.7)	27.6 (BDL-36.3)	0.013 (0.005-0.050)	32.9%	24%	90	99 (PM₁₀)	Satisfactory
	10. I.R.C. Village, Nayapalli	91	81 (27-213)	35 (14-89)	BDL (BDL-10.9)	18.0 (12.2-40.9)	35.2 (24.3-83.4)	26.5 (21.3-32.6)	0.015 (0.003-0.090)	30.7%	7.6%	81		
	11. Capital Police Station, Unit-I	90	109 (32-231)	34 (14-76)	BDL (BDL-7.3)	15.8 (11.7-24.7)	39.2 (31.4-51.2)	29.2 (BDL-36.2)	0.019 (0.006-0.043)	40%	3.3%	106		
	12.Chandrasekharpur	82	99 (33-183)	28 (12-53)	BDL (BDL-7.6)	14.7 (12.2-25.2)	34.1 (29.5-49.5)	27.3 (21.6-33.2)	0.026 (0.005-0.117)	36.5%	Nil	99		
	13. Khandagiri Police Station	95	111 (39-198)	37 (15-82)	BDL (BDL-10.4)	16.6 (12.6-39.3)	44.5 (36.5-90.9)	28.6 (21.1-37.4)	0.030 (BDL-0.157)	56.8%	6.3%	107		
	14.Palasuni water works	82	116 (41-344)	47 (9-158)	BDL (BDL-13.9)	16.3 (9.4-52.2)	39.6 (23.1-62.4)	26.9 (22.2-47.9)	0.014 (0.007-0.024)	35.3%	15.8%	111		

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			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	Pb	PM ₁₀	PM _{2.5}			
			(values are expressed in microgram per cubic meter)											
6	Bonaigarh (01)													
	15. Bonai Govt. Hospital	103	107 (27-181)	41 (12-68)	11.0 (6.0-24.7)	14.1 (10.9-29.5)	28.6 (23.5-33.6)	27.5 (22.7-34.5)	0.052 (0.007-0.167)	60.1%	3.88%	105	105 (PM ₁₀)	Moderate
7	Cuttack(03)													
	16. Hotel Bishal Inn, Near Badambadi	96	100 (56-151)	36 (17-67)	BDL (BDL-5.0)	17.5 (12.0-23.0)	40.4 (26.0-53.0)	32.7 (23.0-42.3)	0.033 (BDL-0.077)	39.5%	3.12%	100	102 (PM ₁₀)	Moderate
	17. R.O.SPCB Building, Surya Vihar	104	109 (68-176)	37 (16-67)	BDL (BDL-7.4)	20.6 (14.8-29.8)	46.2 (31.6-76.9)	37.5 (24.1-60.2)	0.028 (BDL-0.48)	49.0%	1.92%	106		
	18.PHD office ,Barabati	102	101 (64-176)	33 (17-55)	BDL (BDL-7.1)	19.6 (12.8-27.7)	34.7 (24.7-60.8)	28.3 (21.2-35.2)	0.040 (BDL-0.155)	42.1%	Nil	101		
Jharsuguda(03)														
8	19. RO Building,Cox Colony, Babubagicha,	100	108 (69-152)	52 (26-81)	8.4 (7.1-19.2)	13.0 (11.8-20.5)	22.5 (BDL-31.6)	20.9 (BDL-29.1)	0.035 (BDL-0.117)	60%	39%	105	110 (PM ₁₀)	Moderate
	20.Inside TRL Colony Premises	103	112 (74-167)	57 (35-88)	8.4 (5.3-14.5)	14.9 (13.0-20.0)	24.9 (BDL-34.8)	23.1 (BDL-28.7)	0.031 (BDL-0.100)	75.2%	46.6%	108		
	21. Maa Samaleswari Nagar, Brundamal, Jharsuguda	18	123 (111-127)	65 (56-70)	8.7 (8.0-10.2)	13.6 (12.6-14.6)	24.5 (20.4-28.7)	23.7 (BDL-27.6)	NM	100%	83.3%	117		
9	Kalinga Nagar(03)													
	22. BRPL Guest House(Near TATA Guest House)	82	96 (47-128)	NM	5.2 (BDL-9.7)	13.2 (10.7-14.0)	33.7 (30.4-36.4)	21.7 (21.4-22.9)	0.018 (BDL-0.057)	46.3%	-	96	100 (PM ₁₀)	Satisfactory
	23. RO SPCB, building	89	106 (62-152)	58 (36-74)	5.5 (BDL-11.6)	13.9 (12.0-15.8)	33.4 (29.8-36.2)	21.6 (21.2-31.9)	0.021 (BDL-0.093)	58.4%	39.3%	104		
24.DET Hostel Tata Steel	78	102 (61-168)	56 (41-75)	5.6 (BDL-7.6)	13.9 (12.7-15.1)	33.7 (30.4-36.7)	21.6 (20.9-22.2)	0.021 (0.004-0.048)	65.3%	20.5%	101			
10	Keonjhar(01)													
	25. R.O.SPCB, Baniapat	98	84 (23-180)	41 (12-79)	BDL (BDL-BDL)	13.6 (10.3-17.1)	33.3 (25.9-45.3)	NM	0.032 (0.003-0.083)	37.7%	15.3%	84	84 (PM ₁₀)	Satisfactory
11	Konark(01)													
	26. Konark Police station	94	68 (22-118)	24 (12-44)	BDL (BDL-BDL)	13.4 (10.1-20.0)	35.2 (23.7-48.3)	26.5 (21.9-33.7)	0.030 (0.003-0.095)	7.44%	Nil	68	68 (PM ₁₀)	Satisfactory
12	Paradeep(03)													
	27.PPL Guest House	103	94 (42-195)	44 (19-86)	14.4 (10.0-26.0)	BDL (BDL-17.5)	122 (88-147)	30.5 (BDL-43.2)	0.022 (0.003-0.107)	36.8%	5.8%	94	92 (PM ₁₀)	Satisfactory
	28. IFFCO STP	103	94 (37-181)	42 (11-88)	14.4 (9.1-30.4)	BDL (BDL-19.3)	123 (99-157)	31.3 (BDL-41.3)	0.024 (0.003-0.099)	37.8%	10.6%	94		
	29. Paradeep port trust	103	88 (41-199)	38 (12-87)	13.7 (9.3-27.6)	BDL (BDL-18.5)	117 (85-148)	31.1 (BDL-43.4)	0.031 (0.004-0.138)	33%	15.5%	88		

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			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	O ₃	Pb	PM ₁₀	PM _{2.5}			
			(values are expressed in microgram per cubic meter)											
13	Puri												92 (PM ₁₀)	Satisfactory
	30. Sadar police Station	101	88 (57-223)	27 (18-71)	BDL (BDL-6.0)	13.5 (9.6-30.0)	41.8 (34.5-51.3)	BDL (BDL-23.7)	0.017 (0.007-0.045)	0.23%	0.009%	88		
	31. Town police Station	39	95 (54-152)	25 (16-49)	BDL (BDL-4.9)	13.2 (9.4-27.7)	42.0 (31.8-46.1)	BDL (BDL-22.8)	0.013 (0.005-0.032)	53.8%	Nil	95		
14	Rayagada												73 (PM ₁₀)	Satisfactory
	32.R.O.SPCB Building, Indiranagar	104	71 (21-113)	32 (11-76)	4.9 (BDL-11.0)	15.8 (12.5-22.3)	28.5 (21.0-33.0)	23.5 (BDL-31.5)	0.018 (BDL-0.049)	0.96%	0.96%	71		
	33. LPS High School, Jaykaypur	104	74 (26-105)	NM	5.6 (4.1-9.6)	16.5 (14.0-20.1)	29.8 (27.0-32.0)	24.4 (20.8-32.30)	0.017 (BDL-0.058)	0.96%	-	74		
15	Rajgangpur												114 (PM ₁₀)	Moderate
	34. DISIR, Rajgangpur	104	121 (50-199)	31 (14-89)	10.8 (7.8-12.6)	11.2 (17.0-23.9)	23.9 (22.7-26.0)	24.4 (23.0-27.4)	0.047 (BDL-0.162)	73%	2.8%	114		
16	Rourkela												109 (PM ₁₀)	Moderate
	35. R.O.SPCB building, Sector-5	104	118 (54-173)	43 (24-68)	10.6 (8.8-19.0)	11.8 (10.7-16.8)	23.0 (22.1-26.2)	23.3 (21.9-27.6)	0.044 (0.003-0.145)	72.1%	2.88%	112		
	36. IDL Outpost	104	96 (81-156)	54 (44-78)	11.1 (6.2-26.8)	13.7 (10.9-32.3)	25.9 (21.2-39.0)	25.1 (20.7-38.6)	0.056 (0.006-0.178)	22.1%	6.7%	96		
	37. IDCO Water Tank, IDC Kalunga	104	133 (89-252)	51 (40-92)	12.6 (8.2-25.3)	16.3 (11.2-33.5)	24.1 (22.1-33.2)	23.7 (20.6-32.2)	0.045 (BDL-0.139)	95.1%	7.6%	122		
	38. Kuarmunda Out Post, Kuarmunda	104	107 (57-355)	44 (22-92)	11.7 (5.4-27.4)	14.2 (10.2-26.2)	24.3 (21.5-33.4)	24.7 (20.5-37.2)	0.034 (0.007-0.360)	32.6%	7.69%	105		
17	Sambalpur												102 (PM ₁₀)	Moderate
	39. PHD Office, Modipara	106	103 (35-200)	36 (14-80)	7.1 (4.5-26.2)	25.4 (21.7-40.6)	23.4 (20.5-29.2)	BDL (BDL-28.4)	0.041 (0.016-0.134)	50%	7.54%	102		
Prescribed Standard (24 hrly)			100	60	80	80	400	180 (1Hourly)	1.0					
Standard for Annual Avg. Value			60	40	50	40	100	100 (8Hourly)	0.5					

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 & Pb-Lead,

> BDL Value for SO₂ ≤ 4 μg/m³, NO₂ ≤ 9 μg/m³, NH₃ ≤ 20 μg/m³, O₃ ≤ 20 μg/m³, Pb ≤ 0.0022 μg/m³, PM₁₀ ≤ 5 μg/m³, PM_{2.5} ≤ 2 μg/m³ & NM- Not monitored

No percentage of violation of data from 24 hourly average for all monitored gaseous pollutants like SO₂, NO₂, NH₃, O₃, & Pb

