

Ambient Air Quality Status of different cities & towns of Odisha during -2020

Sl. No.	Area / Stations	No. of Obs (24 hrs)	Annual Average Value (24hourly range) except O ₃ 8-hourly range)							% of violation of data from 24 hourly standard		Yearly AQI of the monitoring Stations	Overall AQI of the City	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														
1	1. RO SPCB, Angul	106	85 (44-132)	39 (20-75)	9.7 (4.8-16.9)	24.1 (14.0-31.6)	25.5 (BDL-36.0)	20.2 (BDL-31.2)	0.012 (BDL-0.046)	26.4%	4.7%	85 (PM ₁₀)	86 (PM ₁₀)	Satisfactory
	2. NALCO Nagar, Angul	106	88 (46-134)	32 (17-62)	8.9 (5.6-12.9)	24.3 (16.1-28.4)	21.1 (BDL-34.5)	BDL (BDL-25.8)	0.016 (BDL-0.061)	28.3%	1.8%	88 (PM ₁₀)		
Talcher														
2	3. TTPS , Talcher	105	88 (48-197)	38 (18-81)	10.0 (6.9-13.1)	27.1 (17.4-31.1)	32.8 (20.4-40.2)	BDL (BDL-20.6)	0.013 (BDL-0.044)	29.5%	7.6%	88 (PM ₁₀)	92 (PM ₁₀)	Satisfactory
	4.MCL, Talcher	105	97 (44-171)	33 (15-79)	9.1 (7.0-12.4)	26.7 (18.3-30.6)	21.1 (BDL-38.4)	BDL (BDL-25.6)	0.015 (BDL-0.063)	37.1%	9.5%	97 (PM ₁₀)		
Balasore														
3	5. R.O, SPCB, Ganeswarpur	105	77 (46-96)	39 (29-62)	BDL (BDL- BDL)	10.1 (BDL-11.9))	23.3 (BDL-31.0)	23.8 (BDL-28.0)	Not Monitored	Nil	0.9%	77 (PM ₁₀)	78 (PM ₁₀)	Satisfactory
	6. DIC office, Angaragadia	105	74 (42-96)	37 (27-58)	BDL (BDL- BDL)	9.6 (BDL-12.2)	23.7 (BDL-31.0)	22.7 (BDL-28.0)		Nil	Nil	74 (PM ₁₀)		
	7.Rasalpur,Industrial Estate	83	84 (68-100)	43 (30-63)	7.3 (5.8-8.7)	11.1 (10.2-12.4)	28.1 (23.0-32.0)	24.4 (21.0-26.0)		Nil	3.6%	84 (PM ₁₀)		
Berhampur														
4	8. R.O, SPCB, Brahamanagar	107	52 (15-79)	23 (10-35)	BDL (BDL- 6.9)	16.5 (BDL-30.3)	35.2 (27.3-46.3)	36.0 (25.9-47.9)	-	Nil	Nil	52 (PM ₁₀)	52 (PM ₁₀)	Satisfactory
Bhubaneswar														
5	9. SPCB Office Building, Unit-VIII	93	92 (43-198)	31 (16-66)	BDL (BDL- 4.2)	14.3 (9.1-37.1)	34.8 (23.0-45.2)	23.4 (BDL-25.4)	0.015 (BDL-0.070)	33.3%	3.2%	92 (PM ₁₀)	82 (PM ₁₀)	Satisfactory
	10. I.R.C. Village, Nayapalli	87	73 (26-157)	19 (15-22)	BDL (BDL- BDL)	14.0 (BDL-24.6)	31.9 (BDL-86.7)	23.3 (BDL-30.2)	0.012 (BDL-0.075)	21.3%	Nil	73 (PM ₁₀)		
	11. Capital Police Station, Unit-I	59	94 (35-139)	33 (13-48)	BDL (BDL- BDL)	18.8 (9.4-25.6)	34.0 (23.4-42.5)	23.8 (20.8-25.8)	0.010 (BDL-0.060)	37.2%	Nil	94 (PM ₁₀)		
	12.Chandrasekharpur	93	76 (37-144)	22 (13-58)	BDL (BDL- BDL)	14.0 (BDL-22.3)	30.2 (22.2-48.0)	23.2 (20.6-28.9)	0.021 (BDL-0.241)	27.1%	Nil	76 (PM ₁₀)		
	13. Patrapada	80	70 (35-160)	32 (19-64)	BDL (BDL- BDL)	12.7 (BDL-18.7)	35.7 (22.0-54.0)	22.2 (20.3-28.1)	0.016 (BDL-0.075)	22.5%	2.5%	70 (PM ₁₀)		
14.Palasuni water works	82	84 (33-157)	37 (10-99)	BDL (BDL- BDL)	14.2 (BDL-26.1)	43.4 (30.9-65.9)	22.4 (BDL-31.9)	0.015 (BDL-0.070)	23.1%	8.5%	84 (PM ₁₀)			

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			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)											
6	Bonaigarh													
	15. Bonai Govt. Hospital	79	87 (49-160)	36 (13-54)	6.7 (4.2-18.7)	13.1 (9.3-62.1)	27.1 (22.0-36.1)	23.5 (21.8-26.4)	0.022 (0.015-0.028)	27.8%	Nil	87 (PM ₁₀)	87 (PM ₁₀)	Satisfactory
7	Cuttack													
	16. Hotel Bishal Inn, Near Badambadi	67	133 (81-202)	42 (18-100)	5.3 (BDL-7.3)	18.8 (16.3-21.3)	29.9 (23.4-39.0)	27.0 (24.1-29.0)	0.014 (BDL-0.025)	29.8%	25.3%	122 (PM ₁₀)	101 (PM ₁₀)	Moderate
	17. R.O.SPCB Building, Surya Vihar	103	85 (43-159)	41 (21-95)	BDL (BDL-6.1)	17.9 (12.0-26.3)	40.6 (20.6-96.5)	BDL (BDL-29.0)	0.014 (BDL-0.036)	34.9%	20.3%	85 (PM ₁₀)		
18.PHD office ,Barabati	92	89 (40-183)	41 (20-112)	BDL (BDL- 5.3)	18.2 (12.9-22.8)	27.7 (20.4-35.9)	BDL (BDL-26.6)	0.012 (0.005-0.024)	41.3%	14.1%	89 (PM ₁₀)			
8	Jharsuguda													
	19. RO Building, Cox Colony, Babubagicha,	106	79 (40-125)	45 (18-72)	7.1 (4.4-21.2)	11.7 (8.9-24.1)	BDL (BDL-31.0)	BDL (BDL-30.0)	0.022 (BDL-0.227)	23.5%	6.6%	79 (PM ₁₀)	84 (PM ₁₀)	Satisfactory
20. Inside TRL Colony Premises	106	89 (58-120)	46 (30-68)	7.4 (4.6-21.4)	13.9 (10.0-21.8)	21.4 (BDL-30.0)	22.8 (BDL-30.2)	0.023 (BDL-0.139)	30.1%	10.3%	89 (PM ₁₀)			
9	Kalinga Nagar													
	21. BRPL Guest House(Near TATA Guest House)	19	112 (55-171)	Not Monitored	BDL (BDL-BDL)	17.7 (13.0-20.0)	49.8 (42.6-53.9)	Not Monitored	-	52.6%	-	108 (PM ₁₀)	117 (PM _{2.5})	Moderate
22. RO SPCB, building	61	108 (45-194)	65 (52-84)	BDL (BDL- BDL)	14.9 (10.1-22.5)	45.7 (40.8-54.0)	BDL (BDL- 22.5)	0.018 (0.006-0.063)	47.5%	8.1%	117 (PM _{2.5})			
23.DET Hostel Tata Steel (Previous at NINL)	65	115 (65-192)	Not Monitored	BDL (BDL- BDL)	16.1 (11.5-20.3)	47.4 (42.1-53.3)	Not Monitored	0.017 (0.010-0.034)	75.3%	-	110 (PM ₁₀)			
10	Keonjhar													
	24. R.O.SPCB, Baniapat	92	74 (27-157)	Not Monitored	BDL (BDL-BDL)	12.0 (BDL-19.2)	51.2 (39.0-71.7)	Not Monitored	0.022 (BDL-0.090)	40.2%	-	74	74 (PM ₁₀)	Satisfactory
11	Konark													
	25. Konark Police station	101	60 (30-99)	Not Monitored	BDL (BDL- BDL)	10.7 (BDL-14.3)	32.2 (BDL-45.6)	21.2 (BDL-27.2)	0.008 (BDL-0.092)	Nil	-	60 (PM ₁₀)	60 (PM ₁₀)	Satisfactory
12	Paradeep													
	26.PPL Guest House	101	126 (34-368)	78 (72-85)	16.8 (6.3-26.2)	11.5 (BDL-20.8)	185.2 (165.5-260.2)	76.9 (70.7-83.8)	0.026 (0.012-0.050)	71.2	2.9%	160 (PM _{2.5})	160 (PM _{2.5})	Moderate
	27. IFFCO STP	35	150 (108-219)	NM	20.2 (15.8-25.7)	12.7 (10.1-18.1)	181.9 (160.9-247.0)	74.4 (64.6-86.5)	0.032 (0.021-0.043)	100%	-	133 (PM ₁₀)		
28. Paradeep port trust	104	122 (58-222)	NM	17.4 (9.1-25.1)	11.5 (BDL-16.4)	165.6 (147.4-262.8)	64.2 (52.3-74.2)	0.028 (0.012-0.074)	72.1%	-	115 (PM ₁₀)			

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			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)											
13	Puri												70 (PM ₁₀)	Satisfactory
	29. Town police Station	90	70 (31-124)	NM	BDL (BDL- BDL)	13.1 (BDL-19.3)	44.4 (33.6-63.2)	BDL (BDL-23.7)	0.009 (BDL-0.027)	20%	-	70 (PM ₁₀)		
14	Rayagada												64 (PM ₁₀)	Satisfactory
	30.R.O.SPCB Building, Indiranagar	103	62 (29-98)	30 (12-67)	BDL (BDL- 7.7)	15.1 (10.6-18.2)	29.0 (BDL-48.0)	24.6 (BDL-36.0)	0.016 (0.007-0.036)	Nil	0.9%	62 (PM ₁₀)		
	31. LPS High School, Jaykaypur	101	66 (27-99)	34 (13-56)	BDL (BDL- 7.0)	15.5 (10.2-18.7)	29.6 (BDL-41.0)	22.8 (BDL-34.6)	0.021 (0.011-0.040)	Nil	Nil	66 (PM ₁₀)		
15	Rajgangpur												91 (PM ₁₀)	Satisfactory
	32. DISIR, Rajgangpur	104	91 (46-178)	36 (16-56)	6.5 (BDL-17.0)	11.2 (9.3-18.4)	25.4 (23.0-36.1)	22.9 (21.3-27.1)	0.040 (0.026-0.068)	36.5%	Nil	91 (PM ₁₀)		
16	Rourkela												86 (PM ₁₀)	Satisfactory
	33. R.O.SPCB building, Sector-5	104	75 (25-185)	31 (10-60)	6.0 (BDL-16.4)	11.0 (BDL-18.4)	25.3 (22.6-38.0)	23.0 (21.5-27.5)	0.033 (0.009-0.046)	17.3%	Nil	75 (PM ₁₀)		
	34. IDL Outpost	102	68 (40-108)	39 (10-68)	5.9 (BDL-16.2)	10.5 (BDL-18.1)	27.9 (23.5-36.7)	24.2 (21.0-27.0)	0.033 (0.018-0.042)	2.9%	0.9%	68 (PM ₁₀)		
	35. IDCO Water Tank, IDC Kalunga	104	107 (41-262)	33 (14-76)	6.7 (4.3-16.4)	10.5 (BDL-18.4)	25.9 (23.9-38.1)	24.3 (21.2-26.9)	0.059 (0.016-0.090)	59.6%	1.92%	105 (PM ₁₀)		
	36. Kuarmunda Out Post, Kuarmunda	102	94 (32-206)	39 (19-73)	6.5 (BDL-10.2)	10.9 (9.1-19.7)	24.8 (22.3-36.1)	23.5 (21.3-25.9)	0.042 (0.030-0.066)	37.2%	4.9%	94 (PM ₁₀)		
17	Sambalpur												85 (PM ₁₀)	Satisfactory
	37. PHD Office, Modipara	107	85 (27-176)	42 (16-89)	5.9 (4.3-9.8)	23.5 (18.3-33.8)	20.5 (BDL-29.4)	BDL (BDL-27.5)	0.039 (0.020-0.062)	40.1%	25.2%	85 (PM ₁₀)		
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 ≤ 10 µ size , PM_{2.5} – Particulate Matter ≤ 2.5 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 ≤10 µg/m³, O₃ ≤10 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