

# Ambient Air Quality Status of different cities & towns of Odisha during -2017

Sl. No.	Area / Stations	No. of Obs (24 hrs)	Annual Average Value (24hourly range) except O <sub>3</sub> 1-hourly Average)							% of violation of data from 24 hourly standard		AQI of the monitoring Station	Overall AQI of the City	Category
			PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	O <sub>3</sub>	Pb	PM <sub>10</sub>	PM <sub>2.5</sub>			
			(values expressed in Microgram per cubic meter)											
<b>Angul</b>														
1	1. RO SPCB, Angul (I/E)	103	94 (54-161)	47 (25-81)	8.7 (BDL-17.6)	25.2 (13.6-31.7)	-	-	-	30.09%	17.47%	94 (PM <sub>10</sub> )	97 (PM <sub>10</sub> )	Satisfactory
	2. NALCO Nagar, Angul	102	99 (56-187)	45 (22-85)	9.7 (6.7-13.3)	25.8 (20.7-29.9)	-	-	-	38.23%	43.13%	99 (PM <sub>10</sub> )		
<b>Talcher</b>														
2	3. TTPS , Talcher	102	93 (33-200)	44 (16-96)	9.8 (6.2-12.0)	30.2 (23.9-36.2)	-	-	-	41.17%	25.49%	93 (PM <sub>10</sub> )	98 (PM <sub>10</sub> )	Satisfactory
	4.MCL, Talcher	102	103 (50-184)	47 (21-86)	10.0 (7.0-15.1)	30.9 (23.1-37.3)	-	-	-	49.0%	26.47%	102 (PM <sub>10</sub> )		
<b>Balasore</b>														
3	5. R.O, SPCB Sahadevkhunta	104	81 (61-101)	42 (26-64)	BDL (BDL-BDL)	11.0 (9.9-12.8)	-	-	-	0.96%	0.96%	81 (PM <sub>10</sub> )	83 (PM <sub>10</sub> )	Satisfactory
	6. DIC office, Angaragadia	104	78 (59-96)	41 (26-58)	BDL (BDL- BDL)	10.6 (9.6-12.8)	-	-	-	Nil	Nil	78 (PM <sub>10</sub> )		
	7.Rasalpur,Industrial Estate	104	90 (74-114)	50 (34-78)	7.8 (6.7-9.5)	12.8 (10.1-14.4)	-	-	-	11.53%	9.61%	90 (PM <sub>10</sub> )		
<b>Berhampur</b>														
4	8. R.O, SPCB, Brahamanagar	104	60 (34-98)	34 (18-55)	BDL (BDL- BDL)	19.4 (13.1-24.5)	-	-	-	Nil	Nil	60 (PM <sub>10</sub> )	60 (PM <sub>10</sub> )	Satisfactory
<b>Bhubaneswar</b>														
5	9. SPCB Office Building, Unit-VIII	97	98 (36-177)	39 (15-76)	BDL (BDL- BDL)	24.9 (11.4-36.1)	54.5 (43.7-68.4)	24.0 (20.3-24.1)	0.03 (BDL-0.2)	48.4%	7.2%	98 (PM <sub>10</sub> )	94 (PM <sub>10</sub> )	Satisfactory
	10. I.R.C. Village, Nayapalli	85	90 (32-147)	37 (13-68)	BDL (BDL- BDL)	24.4 (12.8-33.7)	54.9 (BDL-67.9)	24.0 (21.5-26.4)	0.03 (BDL-0.1)	31.7%	2.35%	90 (PM <sub>10</sub> )		
	11. Capital Police Station, Unit-I	84	103 (56-137)	30 (10.0-41.0)	BDL (BDL-BDL)	15.1 (12.1-20.2)	72.1 (33.0-92.2)	18.7 (BDL-27.1)	0.02 (BDL-0.1)	67.85%	Nil	103 (PM <sub>10</sub> )		
	12.Chandrasekharpur	100	100 (44-272)	28 (12-79)	BDL (BDL-BDL)	13.9 (BDL-12.8)	46.0 (32.0-58.7)	24.1 (BDL-32.7)	0.02 (BDL-0.1)	33.0%	3.0%	100 (PM <sub>10</sub> )		
	13. Patrapada	100	95 (48-149)	26 (15-36)	BDL (BDL- BDL)	14.3 (BDL-19.0)	50.7 (BDL-71.1)	26.3 (BDL-36.3)	0.04 (BDL-0.2)	36.0%	Nil	95 (PM <sub>10</sub> )		
	14.Palasuni water works	79	76 (30-158)	46 (19-85)	BDL (BDL-BDL)	15.2 (BDL-22.5)	46.4 (35.2-62.9)	27.7 (21.2-36.0)	0.01 (BDL-0.05)	8.86%	8.86%	77 (PM <sub>2.5</sub> )		

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			PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	O <sub>3</sub>	Pb	PM <sub>10</sub>	PM <sub>2.5</sub>			
			(values expressed in microgram per cubic meter)											
6	<b>Bonaigarh</b>													
	15. Roof of Bonai Govt. Hospital	104	65 (28-129)	18 (7-27)	7.1 (4.1-14.3)	9.8 (7.5-13.8)	-	-	-	13.46%	NIL	65 (PM <sub>10</sub> )	65 (PM <sub>10</sub> )	Satisfactory
7	<b>Cuttack</b>													
	16. Traffic Tower Badambadi,	104	94 (51-160)	47 (29-79)	BDL (BDL-5.5)	33.7 (30.3-42.5)	-	-	-	31.73%	15.38%	94 (PM <sub>10</sub> )	86 (PM <sub>10</sub> )	Satisfactory
	17. R.O.SPCB Building, Surya Vihar	103	79 (45-141)	42 (22-64)	BDL (BDL-BDL)	30.3 (25.3-39.6)	-	-	-	20.38%	2.91%	79 (PM <sub>10</sub> )		
	18.PHD office ,Barabati	101	84 (48-145)	41 (24-65)	BDL (BDL-BDL)	29.7 (26.3-40.1)	-	-	-	25.74%	7.92%	84 (PM <sub>10</sub> )		
8	<b>Jharsuguda</b>													
	19. RO Building,Cox Colony, Babubagicha,	105	91 (61-153)	49 (23-92)	11.1 (7.7-29.5)	20.4 (16.1-44.6)	-	-	-	34.61%	29.80%	91 (PM <sub>10</sub> )	91 (PM <sub>10</sub> )	Satisfactory
	20. Inside TRL Colony Premises	87	91 (47-136)	45 (17-95)	7.4 (4.9-33.1)	12.8 (10.1-32.2)				40.22%	21.83%	91 (PM <sub>10</sub> )		
9	<b>Kalinga Nagar</b>													
	21. Over the roof of Guest BRPL House(Near TATA Guest House)	95	129 (82-208)	63 (21-122)	BDL (BDL- BDL)	11.0 (9.2-13.5)	-	-	-	85.26%	37.89%	119 (PM <sub>10</sub> )	116 (PM <sub>10</sub> )	Moderate
	22. Over the roof of NINL Guest House	79	131 (90-200)	53 (22-86)	BDL (BDL- BDL)	9.9 (9.2-10.9)	-	-	-	82.27%	30.37%	121 (PM <sub>10</sub> )		
	23. Roof of RO SPCB, building	102	113 (79-257)	53 (34-73)	BDL (BDL- BDL)	BDL (BDL-10.3)	-	-	-	48.03%	29.41%	109 (PM <sub>10</sub> )		
10	<b>Keonjhar</b>													
	24. R.O.SPCB, Baniapat	74	78 (18-181)	48 (10-120)	BDL (BDL- BDL)	15.0 (9.7-23.1)	-	-	-	29.72%	29.72%	80 (PM <sub>2.5</sub> )	80 (PM <sub>2.5</sub> )	Satisfactory
11	<b>Konark</b>													
	25. Konark Police station	101	95 (26-247)	36 (14-91)	BDL (BDL- BDL)	13.4 (BDL-22.2)	51.5 (25.4-89.3)	24.7 (21.3-28.7)	0.02 (BDL-0.1)	39.60%	16.83%	95 (PM <sub>10</sub> )	95 (PM <sub>10</sub> )	Satisfactory
12	<b>Paradeep</b>													
	26. PPL Guest House	99	104 (36-76)	40 (13-91)	18.8 (11.5-31.7)	14 (8.7-21.7)	-	-	-	37.37%	13.13%	103 (PM <sub>10</sub> )	104 (PM <sub>10</sub> )	Moderate
	27. On the roof of IFFCO STP	99	112 (40-238)	37 (17-84)	19.3 (12.1-31.1)	13.8 (10.3-19.8)	-	-	-	53.53%	13.13%	108 (PM <sub>10</sub> )		
	28. On the roof of Paradeep port trust	99	102 (32-279)	41 (23-95)	19.1 (12.1-33.2)	14.2 (10.8-24.7)	-	-	-	37.37%	12.12%	101 (PM <sub>10</sub> )		

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			PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	O <sub>3</sub>	Pb	PM <sub>10</sub>	PM <sub>2.5</sub>			
			(values expressed in microgram per cubic meter)											
13	<b>Puri</b>													
	29. Sadar police Station	54	81 (45-141)	23 (11-41)	BDL (BDL- BDL)	14.2 (11.0-19.3)	43.9 (30.4-95.1)	25.3 (21.6-28.9)	0.02 (BDL-0.07)	16.66%	Nil	81 (PM <sub>10</sub> )	81 (PM <sub>10</sub> )	Satisfactory
	30. Town police Station	96	80 (41-152)	26 (12-41)	BDL (BDL-BDL)	14.9 (11.8-20.1)	44.7 (33.6-60.3)	26.1 (21.8-29.4)	0.01 (BDL-0.05)	17.7%	Nil	80 (PM <sub>10</sub> )		
14	<b>Rayagada</b>													
	31.R.O.SPCB Building, Indiranagar	103	55 (24-125)	33 (10-86)	BDL (BDL- 4.6)	18.8 (13.0-25.5)	-	-	-	0.97%	0.97%	55 (PM <sub>10</sub> & PM <sub>2.5</sub> )	58 (PM <sub>10</sub> )	Satisfactory
	32. LPS High School, Jaykaypur	102	61 (29-92)	36 (12-67)	BDL (BDL- BDL)	19.7 (13.9-23.8)	-	-	-	NIL	0.98%	61 (PM <sub>10</sub> )		
15	<b>Rajgangpur</b>													
	33. DISIR, Rajgangpur	104	136 (20-339)	42 (10-92)	12.8 (6.5-19.0)	16.8 (9.2-53.4)	-	-	-	64.42%	14.42%	124 (PM <sub>10</sub> )	124 (PM <sub>10</sub> )	Moderate
16	<b>Rourkela</b>													
	34. R.O.SPCB building, Sector-5	104	97 (64-124)	39 (27-49)	6.4 (BDL- 8.0)	13.7 (9.0-30.1)	-	-	-	37.50%	NIL	97 (PM <sub>10</sub> )	111 (PM <sub>10</sub> )	Moderate
	35. IDL Outpost	104	80 (67-113)	45 (36-62)	6.2 (5.0-12.2)	10.9 (9.9-15.8)	-	-	-	4.80%	0.96%	80 (PM <sub>10</sub> )		
	36. IDCO Water Tank, IDC Kalunga	104	210 (52-336)	63 (18-92)	16.2 (8.0-25.7)	20.5 (10.0-43.2)				96.15%	51.92%	173 (PM <sub>10</sub> )		
37. Kuarmunda Out Post, Kuarmunda	104	79 (30-132)	43 (18-69)	7.1 (BDL- 14.2)	9.8 (BDL-17.1)				41.36%	15.38%	79 (PM <sub>10</sub> )			
17	<b>Sambalpur</b>													
	38. PHD Office, Modipara	108	81 (68-136)	46 (39-64)	BDL (BDL- 8.6)	20.0 (BDL-26.8)	-	-	-	0.92%	2.77%	81 (PM <sub>10</sub> )	81 (PM <sub>10</sub> )	Satisfactory
<b>Prescribed Standard (24 hrly)</b>			<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>400</b>	<b>180 (1Hourly)</b>	<b>0.5</b>					
<b>Standard for Annual Avg. Value</b>			<b>60</b>	<b>40</b>	<b>50</b>	<b>40</b>	<b>100</b>	<b>100 (8Hourly)</b>	<b>1.0</b>					

N.B:BDL- Below Detectable Limit, PM<sub>10</sub> – Particulate Matter ≤ 10 μ size , PM<sub>2.5</sub> – Particulate Matter ≤ 2.5 μ size SO<sub>2</sub> – Sulphur Dioxide, NO<sub>x</sub> – Oxides of Nitrogen, NH<sub>3</sub>→ Ammonia, O<sub>3</sub> – Ozone & Pb-Lead

- BDL Value for SO<sub>2</sub> ≤ 4 μg/m<sup>3</sup>, NO<sub>x</sub> ≤ 9 μg/m<sup>3</sup>, NH<sub>3</sub> ≤ 10 μg/m<sup>3</sup>, O<sub>3</sub> ≤ 10 μg/m<sup>3</sup>, Pb ≤ 0.0022 μg/m<sup>3</sup>, PM<sub>10</sub> ≤ 5 μg/m<sup>3</sup>, PM<sub>2.5</sub> ≤ 2 μg/m<sup>3</sup>  
No percentage of violation of data from 24hourly average for all monitored gaseous pollutants like So<sub>2</sub>,NO<sub>x</sub>,NH<sub>3</sub>,O<sub>3</sub>, & Pb