Ambient air quality status with Air quality index value and categorization of different cities & towns of Odisha during, December- 2021

1. ANGUL(2)   I. RO SPCB, Angul Industrial Estate

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	10.9	27.4	48.5	20.6	99	41	99(PM_{10})	Satisfactory

II.NALCO Nagar, Angul

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	10.0	27.5	32.5	BDL	111	35	107(PM_{10})	Moderate

2. TALCHER(2)   III. TTPS, Talcher

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	10.8	28.5	39.6	20.5	129	47	119(PM_{10})	Moderate

IV.MCL, Talcher

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	9.5	29.5	21.8	BDL	120	33	113(PM_{10})	Moderate

3. BALASORE(3)   V. RO SPCB, Ganeswarpur

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	10.7	23.6	23.5	68	42	70($PM_{2.5}$)	Satisfactory

VI.Oriplast, Balasore

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	10.8	24.0	23.5	69	43	72($PM_{2.5}$)	Satisfactory

VII. Rasalpur Industrial Estate

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	7.4	11.3	25.1	24.7	74	47	78($PM_{2.5}$)	Satisfactory

4. BERHAMPUR(1)   VIII. RO SPCB, Brahmanagar

Month			Parameters				AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	6.0	20.2	39.6	38.4	66	25	66(PM_{10})	Satisfactory

5. BHUBANESWAR(6)   IX. SPCB Office Building, Unit-VIII

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	Not Monitored							

X. IRC Village, Nayapali

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	Not monitored				89	NM	*	-

XI. Capital Police Station, Unit-I

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	16.7	41.1	30.6	149	41	133(PM$_{10}$)	Moderate

XII.Khandagiri

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	17.2	49.1	27.5	140	NM	127(PM$_{10}$)	Moderate

XIV.Chandresekherpur

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	Not monitored				32		*	-

XIV. Palasuni waterworks

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	**Not Monitored**				93		*	-

6. BONAIGARH(1)   XV. Bonaigarh Govt. Hospital

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	9.6	11.7	23.3	22.9	109	44	106(PM$_{10}$)	Moderate

7.CUTTACK(3)   XVI. On the roof of Hotel Bishalin NearTraffic Tower,Badambadi

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO$_2$	NO$_2$	NH$_3$	O$_3$	PM$_{10}$	PM$_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	4.6	20.2	39.0	33.0	113	50	109(PM$_{10}$)	Moderate

*-:For AQI calculation minimum three parameters are required.

XVII. RO SPCB, Building, Surya Vihar

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	5.1	20.9	49.9	42.4	105	47	103(PM_{10})	Moderate

XVIII. PHD Office, Barabati

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	4.1	19.5	33.6	26.6	105	43	103(PM_{10})	Moderate

8.JHARSUGUDA(3)   XIX. RO SPCB, Cox Colony, Babubagicha, Jharsuguda

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	8.4	13.0	28.4	20.7	123	66	120($PM_{2.5}$)	Moderate

XX. TRL Colony Premises, Belpahar

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	8.5	15.5	24.8	25.0	118	64	113($PM_{2.5}$)	Moderate

XXI. Inside Vedanta Township

Month	Parameters				AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter					
December	Not Monitored					

9.KALINGANAGAR(3)   XXII. BRPL Guest House

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	13.0	33.9	21.1	95	NM	95(PM_{10})	Satisfactory

XXIII. RO SPCB, Kalinganagar

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	13.6	33.9	21.1	105	64	113($PM_{2.5}$)	Moderate

XXIV. DET Hostel, TATA Steel

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	13.8	34.2	21.1	106	NM	104(PM_{10})	Moderate

10.KEONJHAR(1)   **XXV. RO SPCB, Baniapat**

Month	Parameters					AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter						
December	BDL	13.3	36.8	101	NM	101(PM_{10})	Moderate

11. KONARK(1)   **XXVI.Konark Police Station**

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	Not Monitored							

12.PARADEEP(3)   **XXVII. PPL Guest house**

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	16.4	10.5	133	38.5	127	NM	118(PM_{10})	Moderate

XXVIII. IFFCO STP

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	16.7	10.8	135	38.8	125	NM	117(PM_{10})	Moderate

XXIX. Paradeep Port trust Staff Quarter

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	15.0	11.4	125	35.9	123	50	115(PM_{10})	Moderate

13.PURI(2)   **XXX. Sadar Police Station**

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	BDL	15.1	50.6	20.3	79	NM	79(PM_{10})	Satisfactory

XXXI. Town Police Station

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	Not Monitored							

14. RAYAGADA(2)   **XXXII. RO SPCB, Rayagada,Indiranagar**

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	5.0	16.0	27.0	22.2	81	37	81(PM_{10})	Satisfactory

XXXIII. LPS High School, Jaykaypur

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	5.4	16.5	29.0	22.6	85	39	85(PM_{10})	Satisfactory

15 RAJGANGPUR(1)   XXXIV. DISR,Rajgangpur

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	10.9	11.6	23.7	22.9	137	30	125(PM_{10})	Moderate

16. ROURKELA(4)   XXXV. RO SPCB, Rourkela,Sector-5

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	9.1	10.8	23.3	22.4	142	49	128(PM_{10})	Moderate

XXXVI. IDL out Post

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	9.8	11.3	23.3	22.7	93	54	93(PM_{10})	Satisfactory

XXXVII. IDCO Water tank, IDC Kalunga

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	9.6	12.0	25.1	25.0	119	48	113(PM_{10})	Moderate

XXXVIII. Govt. Hospital, Kuanrmunda

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	13.4	14.6	24.8	26.1	94	44	94(PM_{10})	Satisfactory

17.SAMBALPUR (1)   XXXIX. PHD Office, Modipara

Month	Parameters						AQI w. r. t Prominent Pollutant	Categorization
	SO_2	NO_2	NH_3	O_3	PM_{10}	$PM_{2.5}$		
	Monthly Average Values express in Microgram per cubic meter							
December	8.1	25.8	23.9	22.8	140	51	127(PM_{10})	Moderate

NB:-* -**Minimum three parameter are required for AQI calculation.**
NB:- **Four**   NAMP stations (1)Vedanta Township under RO, Jharsuguda, (2) Town Police station, Puri (3) konark Police station & (4) Office Building, Bhubaneswar were not in operation in the month of **December** 2021. NM-Not Monitored, BDL Value for SO_2 ≤4 µg/m^3,NO_2 ≤ 9 µg/m^3,NH_3 ≤20 µg/m^3& O_3 ≤20 µg/m^3.