Ambient air quality status with Air quality index value and categorization of different cities & towns of Odisha during, October- 2022

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							
October	10.1	24.3	41.3	20.4	89	38	89(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							
October	10.4	28.0	34.5	BDL	108	37	105(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							
October	10.1	28.0	36.5	BDL	82	36	82(PM_{10})	Satisfactory

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							
October	9.6	28.9	27.9	BDL	88	28	88(PM_{10})	Satisfactory

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							
October	BDL	11.0	22.7	23.5	76	41	76(PM_{10})	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							
October	BDL	11.0	22.8	23.6	76	41	76(PM_{10})	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							
October	7.9	11.7	23.8	25.0	81	46	81(PM_{10})	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							
October	6.8	22.2	55.1	33.3	61	29	61(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							
October	BDL	16.5	34.7	28.3	98	47	98(PM_{10})	Satisfactory

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							
October	BDL	15.5	35.2	26.3	95	34	95(PM_{10})	Satisfactory

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							
October	BDL	17.0	41.8	30.3	110	40	107(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							
October	BDL	17.9	46.4	30.3	110	41	107(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							
October	BDL	16.8	33.2	27.9	96	31	96(PM_{10})	Satisfactory

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							
October	BDL	15.2	39.8	26.3	136	61	124(PM_{10})	Moderate

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							
October	15.5	18.1	30.5	29.8	76	28	76(PM_{10})	Satisfactory

7.CUTTACK(3)   **XVI. On the roof of Hotel Bishalin Near Traffic 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							
October	BDL	17.7	43.2	29.7	101	42	101(PM_{10})	Moderate

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							
October	4.9	21.6	46.1	33.7	106	50	104(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							
October	BDL	19.7	34.3	29.2	92	42	92(PM_{10})	Satisfactory

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							
October	10.2	14.2	23.7	23.1	101	46	101(PM_{10})	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							
October	9.7	15.7	27.5	24.6	124	61	116(PM_{10})	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					
October	**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							
October	5.9	13.2	31.7	21.7	96	NM	96(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							
October	6.9	13.9	31.4	21.7	108	58	105(PM_{10})	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							
October	6.0	13.9	32.0	21.7	101	50	101(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						
October	BDL	14.2	38.9	61	35	61(PM_{10})	Satisfactory

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							
October	BDL	13.5	34.2	24.9	56	21	56(PM_{10})	Satisfactory

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							
October	15.9	10.3	112	26.9	97	37	97(PM_{10})	Satisfactory

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							
October	15.3	10.1	119	26.5	78	34	78(PM_{10})	Satisfactory

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							
October	14.9	11.8	103	26.0	82	36	82(PM_{10})	Satisfactory

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							
October	BDL	15.3	58.3	20.8	113	31	109(PM_{10})	Moderate

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							
October	BDL	15.3	43.8	20.7	105	30	103(PM_{10})	Moderate

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

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							
October	6.0	16.7	30.0	24.0	62	37	62(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							
October	6.5	17.5	31.0	24.3	73	NM	73(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							
October	11.0	13.1	23.7	24.8	113	33	109(PM_{10})	Moderate

16. ROURKELA(4)   **XXXV. Town Engineering Office Premises, RSP, 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							
October	12.2	12.2	23.3	24.2	113	45	109(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							
October	14.8	17.5	31.4	29.5	94	55	94(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							
October	17.7	19.0	25.5	25.4	133	52	122(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							
October	16.7	17.8	25.2	25.6	97	48	97(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							
October	5.6	26.8	23.1	23.4	91	36	91(PM_{10})	Satisfactory

NB:-* -Minimum three parameter are required for AQI calculation.

NB:- One NAMP stations (1)Vedanta Township under RO, Jharsuguda not in operation in the month of **October 2022**.
NM-Not Monitored BDL Value for SO_2 ≤4 $\mu g/m^3$, NO_2 ≤9 $\mu g/m^3$ & O_3 ≤20 $\mu g/m^3$.