



Ambient Air and Noise Monitoring **During Deepavali- 2025**

AAQ/ANL Monitoring
From 13.10.2025 to 27.10.2025

REPORT ON AAQ & ANL SURVEY CONDUCTED ON THE EVE OF DEEPAVALI FESTIVAL - 2025

AAQ / ANL Monitoring : 13.10.2025 - 27.10.2025
Deepavali Day : 20.10.2025

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Introduction

The Hon'ble Supreme Court of India directed the Central Pollution Control Board (CPCB) and respective State Pollution Control Boards (SPCBs) to conduct short-term monitoring in their cities for 15 days, starting 7 days prior to Deepavali and ending 7 days after Deepavali, as per its order in **Writ petition (C) No. 728 of 2015**, dated October 23, 2018.

The Deepavali Special survey is carried out to measure regulatory parameters namely **PM₁₀**, **PM_{2.5}**, **SO_x**, **NO_x**, and Heavy Metals like **Lead, Nickel, Arsenic, Aluminium, Barium and Iron** against the short term Ambient Air Quality Criteria Values (AAQCVs) proposed by CPCB with regard to bursting of firecrackers. This will help in generation of data on pollution caused by the bursting of firecrackers and would be helpful for regulation and control quantity of Heavy metals used in the manufacture of firecrackers.

As per the directions of the Hon'ble Supreme Court and guidelines of CPCB, the Tamil Nadu Pollution Control Board (TNPCB) conducts Deepavali survey every year. This year, the **Deepavali Festival** was celebrated on 20.10.2025, and hence, the special Ambient Air Quality (**AAQ**) monitoring survey was conducted from 13.10.2025 to 27.10.2025 [6:00 AM to 6:00 AM (Next day) - 24 Hours] and Ambient Noise Level Survey (**ANL**) was conducted on Pre-Deepavali day (13.10.2025, Monday) and on Deepavali day (27.10.2025, Monday), from 18:00 hr to 24:00 hr (6 Hours).

TNPCB monitored 39 locations in 17 districts namely Chennai, Coimbatore, Cuddalore, Madurai, Kanyakumari (Nagercoil), Salem, Thanjavur, Tiruchirappalli, Tirunelveli, Vellore, Chengalpattu, Dindigul, Krishnagiri (Hosur), Thoothukudi, Tiruppur, Nagapattinam and Kancheepuram out of 38 districts in Tamil Nadu for the Deepavali survey - 2025.

Air Quality Index (AQI)

The Minister for Environment, Forests & Climate Change launched 'The National Air Quality Index (AQI) on **September 17, 2014** in New Delhi. AQI is outlined as '**One Number- One Colour-One Description**' for the common man to judge the air quality within his vicinity.

The proposed AQI will consider eight pollutants namely PM₁₀, PM_{2.5}, NO₂, SO₂, CO, O₃, NH₃, and Pb, for which short-term (up to 24-hourly averaging period) National Ambient Air Quality Standards are prescribed.

All the eight pollutants may not be monitored at all the locations. Overall AQI is calculated only if data are available for minimum three pollutants out of which one should necessarily be either PM_{2.5} or PM₁₀. Else, data are considered insufficient for calculating AQI.

PM_{2.5} and **PM₁₀** is the most common method of measuring air quality. It measures the particles in micrograms per cubic meter. It is a mixture of solid particles and liquid droplets present in the air.

Based on the measured ambient concentrations, corresponding standards and likely health impact, a sub - index is calculated for each of these pollutants. The worst sub-index reflects overall AQI. Associated likely health impacts for different AQI categories and pollutants have been also been suggested, with primary inputs from the medical expert members of the group.

The Sub-indices for individual pollutants at a monitoring location are calculated using its 24-hourly average concentration value (8-hourly in case of CO and O₃) and health breakpoint concentration range. The worst sub-index is the AQI for that location.

The sub-indices for monitored pollutants are calculated and disseminated, even if data are inadequate for determining AQI. The Individual pollutant-wise sub-index will provide air quality status for that pollutant.

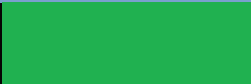
For manual monitoring stations, an **AQI calculator** is developed wherein data can be fed manually to get AQI value.

Based on the measured ambient concentrations of a pollutant, **sub-index** is calculated, which is a linear function of concentration (e.g. the sub-index for PM_{2.5} will be 51 at concentration 31 µg/m³, 100 at concentration 60 µg/ m³).

The AQI values and corresponding ambient concentrations (health breakpoints) as well as associated likely health impacts for the four pollutants monitored under Deepavali Special Survey are as follows:

AQI Category (Range)	PM₁₀ (ug/m ³) 24-hr	PM_{2.5} (ug/m ³) 24-hr	NO₂ (ug/m ³) 24-hr	SO₂ (ug/m ³) 24-hr
Good (0 - 50)	0-50	0-30	0-40	0-40
Satisfactory (51 - 100)	51-100	31-60	41-80	41-80
Moderate (101 - 200)	101-250	61-90	81-180	81-380
Poor (201 - 300)	251-350	91-120	181-280	381-800
Very Poor (301 - 400)	351-430	121-250	281-400	801-1600
Severe (>401)	430 +	250+	400+	1600+

Air Quality Index and Associated Health Impacts:

AQI	REMARK	COLOR CODE	POSSIBLE HEALTH IMPACTS
0 – 50	Good		Minimal Impact
51 – 100	Satisfactory		Minor breathing discomfort to sensitive people
101 – 200	Moderate		Breathing discomfort to the people with lungs, asthma and heart diseases
201 – 300	Poor		Breathing discomfort to most people on prolonged exposure
301 - 400	Very Poor		Respiratory illness on prolonged exposure
401 - 500	Severe		Affects healthy people and seriously impacts those with existing diseases

Ambient Noise Level (ANL)

Noise pollution refers to sounds in the environment that are caused by humans and that threaten the health or welfare of human or animal inhabitants.

The Noise standards for fire-crackers were notified by the Environment (Protection) (Second Amendment) Rules, 1999 vide G.S.R.682(E), dated the 5th October, 1999 and inserted as serial no. 89 of Schedule I of the Environment (Protection) Rules, 1986. Subsequently these Rules were amended by the Environment (Protection) Second Amendment Rules, 2006 vide G.S.R. 640(E), dated the 16th October, 2006, under the Environment (Protection) Act, 1986.

The unit of noise is decibel, one-tenth of a bell and denotes as d(B), however the monitoring unit is considered as dB(A) Leq denotes the time weighted average 'A' of the level of sound in decibels on scale A and it has been found related to human hearing. Thus in, dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Source: <https://cpcb.nic.in>

Deepavali Monitoring 2025

01 Chennai

City

- * Latitude & Longitude : 13.04° N, 80. 27° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Weather
 - Deepavali day : Drizzling with Partially Cloudy Weather
- * Population (2011 Census) : 46,46,732
- * Major land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**

Besant Nagar (R)
T. Nagar (C)
Nungambakkam (R)
Triplicane (R)
Sowcarpet (C)
Valasaravakkam (R)
Tiruvottiyur (C)

Ambient Air Quality Survey

Besant Nagar (R)
T. Nagar (C)
Nungambakkam (R)
Triplicane (R)
Sowcarpet (C)
Valasaravakkam (R)
Tiruvottiyur (C)

- * Activities around the monitoring location / sources of Noise Pollution : Crackers were burnt near the monitoring stations during Deepavali festival.

Noise level during Deepavali festival - 2025

Location: Besant Nagar (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	46.3	93.3	50.6	46.6	104.3	67.7
19:00 to 20:00 Hr	43.3	78.9	52.4	56.8	99.5	64.9
20:00 to 21:00 Hr	44.6	84.4	54.4	49.6	119.2	61.8
21:00 to 22:00 Hr	43.6	85.3	49.2	44.8	112.5	59.8
22:00 to 23:00 Hr	41.7	85.4	46.7	40.4	102.6	46.7
23:00 to 24:00 Hr	40.1	72.2	45.1	41.9	88.8	50.1

Location: T. Nagar (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	61.0	86.4	68.6	64.5	85.1	73.4
19:00 to 20:00 Hr	59.3	80.1	65.2	65.6	86.8	74.0
20:00 to 21:00 Hr	58.2	78.5	65.0	65.5	90.5	73.2
21:00 to 22:00 Hr	57.1	77.5	62.0	58.4	88.8	72.9
22:00 to 23:00 Hr	55.8	74.4	60.9	54.6	82.7	66.5
23:00 to 24:00 Hr	51.3	68.5	56.9	52.0	80.1	60.7

Location: Nungambakkam (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	53.8	110.2	73.6	53.3	107.7	81.7
19:00 to 20:00 Hr	55.0	87.6	68.1	60.8	114.1	85.1
20:00 to 21:00 Hr	56.1	92.9	66.4	58.2	108.5	87.7
21:00 to 22:00 Hr	57.7	92.2	67.4	54.8	109.1	80.7
22:00 to 23:00 Hr	56.3	84.1	63.1	53.7	107.1	77.6
23:00 to 24:00 Hr	52.1	78.6	61.9	52.5	103.8	75.5

Location: Triplicane (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	52.0	95.1	66.0	55.3	112.2	85.3
19:00 to 20:00 Hr	49.7	83.2	60.4	61.1	112.7	88.7
20:00 to 21:00 Hr	47.6	80.0	59.5	61.8	110.6	87.4
21:00 to 22:00 Hr	52.5	75.5	56.8	60.7	103.0	81.2
22:00 to 23:00 Hr	47.9	70.4	55.4	54.1	81.4	66.7
23:00 to 24:00 Hr	53.2	73.7	56.7	55.2	78.2	60.4

Location: Sowcarpet (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	57.4	77.2	64.0	60.3	107.3	81.2
19:00 to 20:00 Hr	55.6	74.4	60.4	60.7	106.7	80.3
20:00 to 21:00 Hr	53.2	74.7	58.6	60.3	111.8	87.3
21:00 to 22:00 Hr	56.4	67.5	58.0	64.4	103.4	81.9
22:00 to 23:00 Hr	55.4	59.9	56.8	58.1	105.7	78.5
23:00 to 24:00 Hr	47.1	71.5	55.5	60.3	87.1	70.1

Location: Valasaravakkam (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq} dB(A)
18:00 to 19:00 Hr	61.9	87.6	66.1	62.3	107.7	67.6
19:00 to 20:00 Hr	59.6	91.0	61.4	64.8	108.9	69.7
20:00 to 21:00 Hr	56.3	87.1	64.0	61.7	111.1	75.2
21:00 to 22:00 Hr	56.2	89.5	61.9	60.5	110.6	63.1
22:00 to 23:00 Hr	55.4	88.5	64.3	59.4	113.5	77.3
23:00 to 24:00 Hr	61.8	91.6	64.8	58.7	112.5	66.2

Location: Tiruvottiyur (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	53.5	95.5	72.9	57.7	101.6	93.7
19:00 to 20:00 Hr	52.0	84.7	55.7	61.8	104.7	92.0
20:00 to 21:00 Hr	51.7	76.0	56.8	59.4	96.9	81.2
21:00 to 22:00 Hr	52.4	76.4	58.7	56.6	97.4	80.0
22:00 to 23:00 Hr	51.0	81.2	54.5	57.6	96.8	60.2
23:00 to 24:00 Hr	51.2	92.8	53.2	58.4	90.6	59.0

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Besant Nagar (R)												
Date	Regulatory Parameters						Proposed New Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Metals in PM ₁₀			Metals in PM _{2.5}		
							Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)
13.10.2025	8	16	52	18	52	Satisfactory	0.33	7.75	BLQ	2.91	BLQ	2.70
14.10.2025	9	18	54	18	54	Satisfactory	0.38	9.26	BLQ	3.22	BLQ	2.29
15.10.2025	6	14	48	14	48	Good	0.49	6.70	BLQ	2.60	BLQ	3.33
16.10.2025	8	16	44	13	44	Good	0.31	4.31	BLQ	3.33	BLQ	2.60
17.10.2025	10	18	56	20	56	Satisfactory	0.40	7.84	BLQ	3.75	BLQ	1.56
18.10.2025	14	22	64	25	64	Satisfactory	0.41	5.71	BLQ	2.92	2.08	3.64
19.10.2025	17	30	90	38	90	Satisfactory	0.53	13.35	BLQ	5.72	9.27	6.77
20.10.2025	20	31	154	87	190	Moderate	1.67	17.61	2.12	14.06	19.58	12.50
21.10.2025	12	20	66	23	66	Satisfactory	0.89	11.36	BLQ	7.50	9.37	6.19
22.10.2025	10	19	57	18	57	Satisfactory	0.27	6.76	BLQ	3.43	BLQ	2.18
23.10.2025	8	17	55	16	55	Satisfactory	0.46	7.32	BLQ	1.87	BLQ	1.85
24.10.2025	6	18	52	18	52	Satisfactory	0.39	5.76	BLQ	2.18	BLQ	2.60
25.10.2025	11	19	56	20	56	Satisfactory	0.43	7.84	BLQ	2.81	BLQ	3.33
26.10.2025	9	17	52	19	52	Satisfactory	0.42	8.77	BLQ	3.12	BLQ	2.29
27.10.2025	7	15	48	15	48	Good	0.29	6.13	BLQ	2.18	BLQ	3.85
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³ *BLQ - Below the Limit of Quantification												

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: T. Nagar (C)														Proposed New Parameters					
Date	Regulatory Parameters							Metals in PM ₁₀							Metals in PM _{2.5}				
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)							
13.10.2025	10	24	72	28	72	Satisfactory	0.42	6.84	BLQ	3.33	BLQ	2.60							
14.10.2025	11	25	65	24	65	Satisfactory	0.48	8.23	BLQ	2.81	BLQ	2.91							
15.10.2025	13	23	70	28	70	Satisfactory	0.43	7.30	BLQ	3.12	BLQ	3.12							
16.10.2025	9	20	68	18	68	Satisfactory	0.33	5.99	BLQ	3.64	BLQ	3.43							
17.10.2025	12	21	74	25	74	Satisfactory	0.40	7.78	BLQ	4.16	BLQ	3.75							
18.10.2025	15	25	80	30	80	Satisfactory	0.41	8.01	BLQ	4.68	BLQ	4.58							
19.10.2025	15	28	88	36	88	Satisfactory	0.57	14.29	BLQ	6.77	9.06	7.39							
20.10.2025	23	34	236	112	273	Poor	1.77	20.56	1.80	16.25	23.43	15.40							
21.10.2025	13	23	73	22	73	Satisfactory	0.66	13.38	BLQ	6.77	14.68	5.83							
22.10.2025	12	21	70	20	70	Satisfactory	0.40	8.69	BLQ	4.58	3.54	4.58							
23.10.2025	9	19	68	22	68	Satisfactory	0.39	6.56	BLQ	3.75	BLQ	3.43							
24.10.2025	12	20	65	20	65	Satisfactory	0.41	6.64	BLQ	3.43	BLQ	3.12							
25.10.2025	13	22	66	23	66	Satisfactory	0.35	7.13	BLQ	3.85	BLQ	3.64							
26.10.2025	11	19	64	21	64	Satisfactory	0.32	7.89	BLQ	2.91	BLQ	2.81							
27.10.2025	6	12	56	19	56	Satisfactory	0.34	6.44	BLQ	2.50	BLQ	2.60							
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³														*BLQ - Below the Limit of Quantification					

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Nungambakkam (R)											Proposed New Parameters									
Regulatory Parameters																				
Date	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Metals in PM ₁₀				Metals in PM _{2.5}									
							Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)								
13.10.2025	11	17	62	23	62	Satisfactory	0.34	7.78	BLQ	1.90	BLQ	2.50								
14.10.2025	10	21	59	21	59	Satisfactory	0.49	8.09	BLQ	2.50	BLQ	2.90								
15.10.2025	12	22	64	23	64	Satisfactory	0.43	6.96	BLQ	2.90	BLQ	3.30								
16.10.2025	8	18	56	16	56	Satisfactory	0.35	6.39	BLQ	3.40	BLQ	4.00								
17.10.2025	11	19	58	19	58	Satisfactory	0.40	7.27	BLQ	4.00	BLQ	4.60								
18.10.2025	16	28	69	25	69	Satisfactory	0.41	8.57	BLQ	4.70	3.40	5.60								
19.10.2025	12	22	85	30	85	Satisfactory	0.50	14.91	BLQ	9.20	11.50	10.30								
20.10.2025	26	38	282	154	326	Very Poor	1.80	23.00	1.89	19.50	27.60	15.20								
21.10.2025	14	22	72	25	72	Satisfactory	0.53	13.72	BLQ	6.80	5.60	7.10								
22.10.2025	11	20	62	15	62	Satisfactory	0.51	9.74	BLQ	4.70	1.90	3.40								
23.10.2025	10	16	66	18	66	Satisfactory	0.36	7.27	BLQ	3.50	BLQ	2.90								
24.10.2025	10	19	62	18	62	Satisfactory	0.38	6.16	BLQ	3.90	BLQ	3.10								
25.10.2025	10	17	63	20	63	Satisfactory	0.34	7.27	BLQ	3.50	BLQ	2.80								
26.10.2025	8	16	62	18	62	Satisfactory	0.41	7.75	BLQ	3.10	BLQ	2.50								
27.10.2025	9	18	54	16	54	Satisfactory	0.34	6.36	BLQ	2.90	BLQ	2.30								
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³													*BLQ - Below the Limit of Quantification							

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Triplicane (R)											Proposed New Parameters									
Regulatory Parameters											Metals in PM ₁₀						Metals in PM _{2.5}			
Date	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)								
13.10.2025	9	14	56	21	56	Satisfactory	0.27	7.47	BLQ	2.60	BLQ	3.95								
14.10.2025	11	16	54	19	54	Satisfactory	0.33	7.78	BLQ	2.91	BLQ	3.54								
15.10.2025	9	20	56	22	56	Satisfactory	0.35	7.01	BLQ	3.33	BLQ	2.91								
16.10.2025	7	15	54	17	54	Satisfactory	0.39	6.96	BLQ	3.75	BLQ	3.75								
17.10.2025	13	20	60	20	60	Satisfactory	0.44	7.78	BLQ	4.16	BLQ	4.58								
18.10.2025	10	19	71	23	71	Satisfactory	0.38	7.44	BLQ	4.68	1.56	5.60								
19.10.2025	19	32	96	40	96	Satisfactory	0.63	13.38	BLQ	5.72	5.72	6.77								
20.10.2025	20	36	214	98	227	Poor	1.80	22.15	1.91	13.75	18.54	11.45								
21.10.2025	13	21	68	24	68	Satisfactory	0.71	12.15	BLQ	4.68	6.97	7.70								
22.10.2025	8	17	58	16	58	Satisfactory	0.55	9.74	BLQ	3.95	1.87	5.70								
23.10.2025	9	15	60	17	60	Satisfactory	0.37	7.21	BLQ	3.64	BLQ	4.95								
24.10.2025	7	18	54	16	54	Satisfactory	0.38	6.02	BLQ	4.37	BLQ	3.64								
25.10.2025	9	20	57	19	57	Satisfactory	0.33	7.27	BLQ	3.33	BLQ	3.95								
26.10.2025	8	15	53	18	53	Satisfactory	0.40	7.75	BLQ	2.91	BLQ	2.60								
27.10.2025	7	16	46	14	46	Good	0.37	6.36	BLQ	2.50	BLQ	3.12								
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³													*BLQ - Below the Limit of Quantification							

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Sowcarpet (C)												
Date	Regulatory Parameters						Proposed New Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Metals in PM ₁₀			Metals in PM _{2.5}		
							Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)
13.10.2025	13	26	64	22	64	Satisfactory	0.36	7.78	BLQ	3.64	BLQ	2.91
14.10.2025	8	25	58	23	58	Satisfactory	0.43	8.06	BLQ	4.16	BLQ	3.12
15.10.2025	10	25	60	25	60	Satisfactory	0.44	6.96	BLQ	3.95	BLQ	3.95
16.10.2025	10	17	58	20	58	Satisfactory	0.52	6.39	BLQ	3.43	BLQ	4.37
17.10.2025	14	23	68	22	68	Satisfactory	0.48	7.27	BLQ	4.68	BLQ	4.16
18.10.2025	17	26	84	30	84	Satisfactory	0.51	8.57	BLQ	5.62	BLQ	5.36
19.10.2025	22	36	108	44	105	Moderate	0.43	14.91	BLQ	7.81	5.62	8.85
20.10.2025	22	33	267	108	260	Poor	1.69	22.44	1.84	17.18	25.52	13.22
21.10.2025	15	24	75	26	75	Satisfactory	0.75	13.72	BLQ	6.87	7.70	5.62
22.10.2025	9	16	65	17	65	Satisfactory	0.42	9.74	BLQ	5.62	2.39	3.85
23.10.2025	11	17	62	19	62	Satisfactory	0.49	7.27	BLQ	4.68	BLQ	2.91
24.10.2025	9	21	58	19	58	Satisfactory	0.40	6.16	BLQ	4.16	BLQ	3.64
25.10.2025	7	18	59	21	59	Satisfactory	0.45	7.27	BLQ	3.95	BLQ	2.60
26.10.2025	6	18	60	20	60	Satisfactory	0.37	7.75	BLQ	2.91	BLQ	3.43
27.10.2025	10	21	58	18	58	Satisfactory	0.36	6.36	BLQ	3.75	BLQ	3.12
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³ *BLQ - Below the Limit of Quantification												

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Valasaravakkam (R)													Proposed New Parameters				
Date	Regulatory Parameters							Metals in PM ₁₀				Metals in PM _{2.5}					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)					
13.10.2025	15	24	66	22	66	Satisfactory	0.30	7.78	BLQ	2.90	BLQ	2.30					
14.10.2025	12	20	67	22	67	Satisfactory	0.33	8.09	BLQ	2.50	BLQ	1.60					
15.10.2025	14	27	72	29	72	Satisfactory	0.32	6.96	BLQ	2.30	BLQ	1.90					
16.10.2025	13	24	68	22	68	Satisfactory	0.34	6.39	BLQ	1.90	BLQ	3.20					
17.10.2025	12	22	72	23	72	Satisfactory	0.34	7.27	BLQ	2.60	BLQ	2.70					
18.10.2025	18	27	88	28	88	Satisfactory	0.31	8.57	BLQ	3.10	BLQ	3.40					
19.10.2025	24	38	114	46	109	Moderate	0.43	18.26	BLQ	11.50	12.60	9.20					
20.10.2025	30	40	323	162	332	Very Poor	1.10	26.42	2.12	23.50	31.30	19.30					
21.10.2025	11	20	70	22	70	Satisfactory	0.65	16.61	BLQ	12.70	14.20	10.90					
22.10.2025	10	17	68	19	68	Satisfactory	0.62	11.22	BLQ	2.70	BLQ	2.50					
23.10.2025	12	19	65	21	65	Satisfactory	0.57	7.24	BLQ	1.80	BLQ	1.90					
24.10.2025	11	23	63	21	63	Satisfactory	0.65	6.76	BLQ	2.20	BLQ	2.90					
25.10.2025	12	19	67	20	67	Satisfactory	0.58	7.67	BLQ	2.60	BLQ	2.40					
26.10.2025	10	20	64	22	64	Satisfactory	0.51	6.56	BLQ	3.20	BLQ	3.20					
27.10.2025	8	19	59	20	59	Satisfactory	0.43	7.05	BLQ	2.90	BLQ	3.60					

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³
*BLQ - Below the Limit of Quantification

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENNAI

Name of the location: Tiruvottiyur (C)													Proposed New Parameters						
Date	Regulatory Parameters								Metals in PM ₁₀				Metals in PM _{2.5}						
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)							
13.10.2025	11	19	54	18	54	Satisfactory	0.38	7.07	BLQ	2.29	BLQ	3.43							
14.10.2025	10	22	52	20	52	Satisfactory	0.39	6.76	BLQ	2.60	BLQ	2.50							
15.10.2025	12	25	56	23	56	Satisfactory	0.43	7.13	BLQ	2.29	BLQ	2.91							
16.10.2025	11	19	45	15	45	Good	0.42	7.50	BLQ	1.87	BLQ	3.22							
17.10.2025	9	17	54	19	54	Satisfactory	0.40	7.38	BLQ	2.60	BLQ	2.08							
18.10.2025	16	28	67	28	67	Satisfactory	0.41	6.64	BLQ	2.29	3.13	3.64							
19.10.2025	19	30	98	41	98	Satisfactory	0.55	12.01	BLQ	7.60	9.06	6.77							
20.10.2025	18	29	158	92	207	Poor	1.87	16.40	2.15	13.12	17.81	11.97							
21.10.2025	10	18	63	19	63	Satisfactory	0.83	10.17	BLQ	5.62	7.08	4.68							
22.10.2025	11	19	62	18	62	Satisfactory	0.44	7.38	BLQ	3.43	BLQ	2.60							
23.10.2025	10	18	58	18	58	Satisfactory	0.34	6.59	BLQ	1.77	BLQ	2.81							
24.10.2025	8	17	55	17	55	Satisfactory	0.43	6.78	BLQ	2.71	BLQ	3.64							
25.10.2025	11	21	53	19	53	Satisfactory	0.45	7.27	BLQ	2.29	BLQ	3.95							
26.10.2025	9	15	56	17	56	Satisfactory	0.33	7.92	BLQ	2.71	BLQ	2.29							
27.10.2025	5	14	44	13	44	Good	0.27	4.63	BLQ	1.87	BLQ	2.70							
* All Values (24 hourly Average) are in µg/m ³ , except for Ni and As are in ng/m ³													*BLQ - Below the Limit of Quantification						

* All Values (24 hourly Average) are in µg/m³, except for Ni and As are in ng/m³

*BLQ - Below the Limit of Quantification

Deepavali Monitoring 2025

02

Chengalpet

City

- * Latitude & Longitude : 12.88° N, 80.08° E
- * Climate / Meteorology
 - Pre-Deepavali day : Rain and Cloudy
 - Deepavali day : Rain and Cloudy
- * Population (2011 Census) : 62,579
- * Major land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - O/o DEL, TNPCB, M.M.Nagar (C)
 - M/s,GE T&D Ltd Pallavaram (C)**Ambient Air Quality Survey**
 - O/o DEL, TNPCB, M.M.Nagar (C)
 - M/s,GE T&D Ltd Pallavaram (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicle movement observed.
Deepavali: Crackers were burnt near the monitoring station. Various types of vehicle movement observed.

Noise level during Deepavali festival - 2025

Location: O/o DEL, M.M.Nagar (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	52.6	83.1	68.9	58.5	109.3	82.5
19:00 to 20:00 Hr	54.8	79.8	64.2	69.7	121.2	95.6
20:00 to 21:00 Hr	52.5	89.2	65.2	58.8	110.1	85.6
21:00 to 22:00 Hr	51.0	91.9	67.3	53.7	103.0	77.2
22:00 to 23:00 Hr	45.8	68.5	58.1	56.2	102.4	75.2
23:00 to 24:00 Hr	41.2	63.8	48.2	51.9	101.5	71.6

Location: M/s. GE T & D India Limited (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	49.9	59.7	54.8	58.4	118.2	88.3
19:00 to 20:00 Hr	53.4	62.1	57.8	57.8	112.4	84.9
20:00 to 21:00 Hr	51.9	58.6	55.2	54.1	110.2	82.1
21:00 to 22:00 Hr	48.9	55.4	52.1	59.6	104.1	76.6
22:00 to 23:00 Hr	49.2	55.1	52.2	59.6	98.5	75.3
23:00 to 24:00 Hr	47.5	53.6	50.6	51.4	92.8	71.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENGALPET

Name of the location: O/o DEL, M.M.Nagar (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	13	16	48	15	48	Good
14.10.2025	12	15	43	12	43	Good
15.10.2025	13	15	49	20	49	Good
16.10.2025	11	14	51	11	51	Satisfactory
17.10.2025	13	15	54	12	54	Satisfactory
18.10.2025	16	18	58	10	58	Satisfactory
19.10.2025	14	18	84	28	84	Satisfactory
20.10.2025	17	20	101	40	101	Moderate
21.10.2025	15	18	62	26	62	Satisfactory
22.10.2025	14	17	58	15	58	Satisfactory
23.10.2025	15	18	48	12	48	Good
24.10.2025	13	16	51	30	51	Satisfactory
25.10.2025	13	16	55	17	55	Satisfactory
26.10.2025	15	18	61	19	61	Satisfactory
27.10.2025	13	15	46	18	46	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CHENGALPET

Name of the location: M/s. GE T & D India Limited (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	16	20	75	25	75	Satisfactory
14.10.2025	13	16	72	15	72	Satisfactory
15.10.2025	15	17	81	30	81	Satisfactory
16.10.2025	16	19	65	22	65	Satisfactory
17.10.2025	17	20	80	26	80	Satisfactory
18.10.2025	17	20	84	38	84	Satisfactory
19.10.2025	15	19	89	40	89	Satisfactory
20.10.2025	19	21	120	45	113	Moderate
21.10.2025	16	19	65	32	65	Satisfactory
22.10.2025	15	17	81	18	81	Satisfactory
23.10.2025	16	18	69	23	69	Satisfactory
24.10.2025	15	18	77	20	77	Satisfactory
25.10.2025	16	18	72	19	72	Satisfactory
26.10.2025	17	19	80	22	80	Satisfactory
27.10.2025	17	19	68	24	68	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

03

Coimbatore

City

- * Latitude & Longitude : 11.00° N, 76.57° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Partially Cloudy
- * Population (2011 Census) : 34,58,045
- * Major land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Kavundampalayam (R)
 - District Collectorate (C)**Ambient Air Quality Survey**
 - Kavundampalayam (R)
 - District Collectorate (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre-Deepavali:** Predominant vehicle movements.
Deepavali: Bursting of Crackers and Vehicle movements.

Noise level during Deepavali festival - 2025

Location: Kavundampalayam (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	54.0	90.9	69.4	52.5	93.7	74.2
19:00 to 20:00 Hr	53.2	88.4	66.0	53.8	95.3	70.8
20:00 to 21:00 Hr	58.5	82.7	64.1	52.5	97.3	67.1
21:00 to 22:00 Hr	62.1	88.1	70.2	52.5	101.9	72.8
22:00 to 23:00 Hr	58.5	89.9	59.6	54.2	106.4	66.7
23:00 to 24:00 Hr	57.9	80.7	60.1	54.0	87.8	57.5

Location: District Collectorate (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	58.3	100.4	68.7	53.7	104.3	68.4
19:00 to 20:00 Hr	54.9	84.8	65.2	53.7	98.0	71.0
20:00 to 21:00 Hr	53.8	91.0	64.6	53.7	98.0	81.2
21:00 to 22:00 Hr	52.3	84.1	61.6	53.7	98.0	70.8
22:00 to 23:00 Hr	51.2	84.1	60.1	53.5	98.0	70.9
23:00 to 24:00 Hr	50.8	78.5	57.5	51.2	98.0	70.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

COIMBATORE

Name of the location: Kavundampalayam (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	9	17	44	19	44	Good
14.10.2025	7	15	32	17	32	Good
15.10.2025	8	17	37	18	37	Good
16.10.2025	9	19	42	22	42	Good
17.10.2025	8	18	39	19	39	Good
18.10.2025	10	20	43	22	43	Good
19.10.2025	9	21	57	36	60	Satisfactory
20.10.2025	24	39	146	74	147	Moderate
21.10.2025	17	31	95	65	117	Moderate
22.10.2025	8	15	43	22	43	Good
23.10.2025	9	17	40	19	40	Good
24.10.2025	14	22	48	23	48	Good
25.10.2025	13	19	44	20	44	Good
26.10.2025	15	24	47	24	47	Good
27.10.2025	10	19	46	22	46	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

COIMBATORE

Name of the location: District Collectorate (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	11	19	48	23	48	Good
14.10.2025	9	17	39	19	39	Good
15.10.2025	10	19	48	23	48	Good
16.10.2025	13	24	57	29	57	Satisfactory
17.10.2025	11	21	51	25	51	Satisfactory
18.10.2025	13	24	54	27	54	Satisfactory
19.10.2025	14	26	66	32	66	Satisfactory
20.10.2025	21	37	143	78	160	Moderate
21.10.2025	19	35	110	70	133	Moderate
22.10.2025	10	18	48	26	48	Good
23.10.2025	13	22	45	23	45	Good
24.10.2025	12	21	46	27	46	Good
25.10.2025	12	18	43	26	43	Good
26.10.2025	10	16	40	19	40	Good
27.10.2025	9	21	43	21	43	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

04

Cuddalore

City

- * Latitude & Longitude : 11.74° N, 79.76° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky slightly humid
 - Deepavali day : Intermittent Rainfall, Cloudy
- * Population (2011 Census) : 26,05,914
- * Major land use : Agriculture

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Imperial Road (C)
 - Collectorate Building (R)**Ambient Air Quality Survey**
 - Imperial Road (C)
 - Collectorate Building (R)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicular movements
Deepavali: Bursting crackers, Vehicular movements

Noise level during Deepavali festival - 2025

Location: Imperial Road (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	58.0	104.1	74.6	55.9	103.2	77.5
19:00 to 20:00 Hr	56.3	103.6	73.6	59.1	97.3	76.1
20:00 to 21:00 Hr	56.1	100.7	72.5	57.0	103.8	76.5
21:00 to 22:00 Hr	52.2	104.1	71.5	56.1	104.1	72.7
22:00 to 23:00 Hr	51.5	101.4	69.4	56.3	98.0	71.0
23:00 to 24:00 Hr	49.4	89.5	64.3	54.1	88.1	60.8

Location: Collectorate Building (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	52.2	83.2	66.7	52.6	100.3	73
19:00 to 20:00 Hr	53.5	78.2	65.7	52.8	95.0	72.4
20:00 to 21:00 Hr	49.7	86.5	65.5	49.7	86.5	65.6
21:00 to 22:00 Hr	49.6	70.0	59.9	49.3	89.7	65.0
22:00 to 23:00 Hr	51.4	72.2	56.1	48.7	84.3	61.3
23:00 to 24:00 Hr	51.4	68.0	54.9	48.5	77.4	51.7

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CUDDALORE

Name of the location: Imperial Road (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	37	43	70	38	70	Satisfactory
14.10.2025	41	47	37	17	59	Satisfactory
15.10.2025	19	25	41	18	41	Good
16.10.2025	20	27	83	42	83	Satisfactory
17.10.2025	21	29	56	18	56	Satisfactory
18.10.2025	41	47	85	36	85	Satisfactory
19.10.2025	44	49	83	25	83	Satisfactory
20.10.2025	76	57	300	77	250	Poor
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	27	33	25	12	41	Good
23.10.2025	31	37	121	41	114	Moderate
24.10.2025	30	33	83	38	83	Satisfactory
25.10.2025	34	39	93	44	93	Satisfactory
26.10.2025	17	24	61	27	61	Satisfactory
27.10.2025	33	40	84	28	84	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

CUDDALORE

Name of the location: Collectorate Building (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	17	24	42	22	42	Good
14.10.2025	26	33	19	15	41	Good
15.10.2025	18	23	28	12	29	Good
16.10.2025	19	24	48	21	48	Good
17.10.2025	18	25	42	17	42	Good
18.10.2025	46	38	108	42	109	Moderate
19.10.2025	49	40	95	29	95	Satisfactory
20.10.2025	57	49	123	45	115	Moderate
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	18	24	18	8	30	Good
23.10.2025	22	27	56	18	56	Satisfactory
24.10.2025	18	23	35	12	35	Good
25.10.2025	21	26	69	22	69	Satisfactory
26.10.2025	16	24	49	15	49	Good
27.10.2025	24	30	75	21	75	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

05 Dindigul

City

- * Latitude & Longitude : 10.36° N, 77.97° E
- * Climate / Meteorology
 - Pre-Deepavali day : Rainy and Cloudy
 - Deepavali day : Cloudy
- * Population (2011 Census) : 21,59,775
- * Major land use : Residential and Commercial

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - O/o TNPCB, Collector Office Complex (R)
 - Urban Health Centre (C)**Ambient Air Quality Survey**
 - O/o TNPCB, Collector Office Complex (R)
 - Urban Health Centre (C)
- * Activities around the monitoring location / Sources of Noise Pollution : Regular public activities and crackers noise.

Noise level during Deepavali festival - 2025

Location: Collectorate Complex (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	50.7	77.4	55.9	50.9	98.4	81.6
19:00 to 20:00 Hr	50.8	73.0	58.3	55.2	104.6	79.1
20:00 to 21:00 Hr	49.6	87.6	52.9	58.7	91.5	76.7
21:00 to 22:00 Hr	RF	RF	RF	52.4	88.7	72.4
22:00 to 23:00 Hr	RF	RF	RF	50.1	82.4	70.9
23:00 to 24:00 Hr	RF	RF	RF	47.4	73.9	65.2

Location: Urban Health Centre (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	51.8	98.7	66.5	60.3	118.3	86.7
19:00 to 20:00 Hr	50.9	97.3	65.1	58.7	116.6	85.1
20:00 to 21:00 Hr	50.6	91.2	64.9	55.9	113.2	85.8
21:00 to 22:00 Hr	RF	RF	RF	53.3	108.5	72.5
22:00 to 23:00 Hr	RF	RF	RF	50.1	102.0	69.3
23:00 to 24:00 Hr	RF	RF	RF	48.8	99.7	64.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

DINDIGUL

Name of the location: Collector Office Complex (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	7	11	48	12	48	Good
14.10.2025	10	19	52	18	52	Satisfactory
15.10.2025	8	14	49	16	49	Good
16.10.2025	5	9	40	8	40	Good
17.10.2025	4	7	33	6	33	Good
18.10.2025	7	12	44	13	44	Good
19.10.2025	12	18	70	29	70	Satisfactory
20.10.2025	26	34	123	71	137	Moderate
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	11	15	56	22	56	Satisfactory
23.10.2025	10	13	59	24	59	Satisfactory
24.10.2025	8	12	51	18	51	Satisfactory
25.10.2025	7	10	44	13	44	Good
26.10.2025	5	9	38	9	38	Good
27.10.2025	7	11	47	15	47	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

DINDIGUL

Name of the location: Urban Health Centre (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	8	13	52	18	52	Satisfactory
14.10.2025	12	22	57	23	57	Satisfactory
15.10.2025	10	16	54	19	54	Satisfactory
16.10.2025	6	11	44	10	44	Good
17.10.2025	5	9	38	8	38	Good
18.10.2025	9	15	53	17	53	Satisfactory
19.10.2025	14	22	83	35	83	Satisfactory
20.10.2025	30	39	142	84	180	Moderate
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	14	19	63	26	63	Satisfactory
23.10.2025	12	16	67	27	67	Satisfactory
24.10.2025	9	15	53	20	53	Satisfactory
25.10.2025	8	12	49	15	49	Good
26.10.2025	8	12	45	13	45	Good
27.10.2025	9	14	56	19	56	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

06

Hosur

City

- * Latitude & Longitude : 12.74° N, 77.81° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Partially Rainy
- * Population (2011 Census) : 1,16,821
- * Major land use : Industrial

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - O/o DEE, TNPCB (R)
 - Nawal Analytical lab Pvt. Ltd (C)**Ambient Air Quality Survey**
 - O/o DEE, TNPCB (R)
 - Nawal Analytical lab Pvt. Ltd (C)
- *Activities around the monitoring location / sources of Noise Pollution : **Pre-Deepavali:** Higher Vehicular movement and Commercial & Industrial activities
Deepavali: Bursting of fire Crackers.

Noise level during Deepavali festival - 2025

Location: O/o. DEE, TNPCB (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	54.2	88.3	70.2	43.4	100.6	81.5
19:00 to 20:00 Hr	57.1	83.7	68.8	46.0	89.7	72.2
20:00 to 21:00 Hr	55.0	88.3	67.5	47.9	99.2	74.3
21:00 to 22:00 Hr	56.9	82.5	66.5	46.8	96.7	83.0
22:00 to 23:00 Hr	54.4	85.4	63.7	47.4	97.2	84.0
23:00 to 24:00 Hr	50.6	85.4	63.6	41.3	108.3	79.8

Location: Nawal Analytical Lab Pvt. Ltd (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	53.1	92.1	69.6	59.9	99.0	77.2
19:00 to 20:00 Hr	48.7	88.5	64.7	63.1	93.8	75.7
20:00 to 21:00 Hr	52.4	85.7	62.9	60.7	99.0	74.3
21:00 to 22:00 Hr	50.9	79.9	61.3	62.8	92.5	73.2
22:00 to 23:00 Hr	52.1	81.5	63.5	60.1	95.7	70.1
23:00 to 24:00 Hr	52.8	88.5	63.5	55.9	95.7	70.0

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

HOSUR

Name of the location: O/o. DEE, TNPCB (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	18	32	158	48	139	Moderate
14.10.2025	18	32	162	51	141	Moderate
15.10.2025	11	21	93	32	93	Satisfactory
16.10.2025	10	24	91	28	91	Satisfactory
17.10.2025	9	22	75	23	75	Satisfactory
18.10.2025	13	24	74	26	74	Satisfactory
19.10.2025	18	40	129	44	119	Moderate
20.10.2025	22	44	141	48	127	Moderate
21.10.2025	14	26	68	24	68	Satisfactory
22.10.2025	RF	RF	RF	RF	-	NA
23.10.2025	13	25	66	23	66	Satisfactory
24.10.2025	16	35	89	32	89	Satisfactory
25.10.2025	19	37	98	35	98	Satisfactory
26.10.2025	19	38	102	37	102	Moderate
27.10.2025	18	36	87	33	87	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

HOSUR

Name of the location: Nawal Analytical Lab Pvt. Ltd. (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	16	30	102	32	101	Moderate
14.10.2025	10	20	57	18	57	Satisfactory
15.10.2025	7	17	36	13	36	Good
16.10.2025	9	20	39	14	39	Good
17.10.2025	8	20	34	13	34	Good
18.10.2025	11	21	51	19	51	Satisfactory
19.10.2025	16	38	91	35	91	Satisfactory
20.10.2025	17	41	94	35	94	Satisfactory
21.10.2025	12	21	52	20	52	Satisfactory
22.10.2025	RF	RF	RF	RF	-	NA
23.10.2025	10	19	44	16	44	Good
24.10.2025	15	33	85	30	85	Satisfactory
25.10.2025	16	35	93	34	91	Satisfactory
26.10.2025	17	38	98	35	98	Satisfactory
27.10.2025	16	34	84	32	84	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

07

Kancheepuram

City

- * Latitude & Longitude : 12.83° N, 79.70° E
- * Climate / Meteorology
 - Pre-Deepavali day : Rainy
 - Deepavali day : Rainy
- * Population (2011 Census) : 11,66,401
- * Major land use : Residential

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Little Kancheepuram (R)
 - Ambient Air Quality Survey**
 - Little Kancheepuram (R)
 - Collector Office (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre-Deepavali:** Vehicle movements and commercial activities.
Deepavali: Vehicle movements, commercial activities and crackers bursting.

Noise level during Deepavali festival - 2025

Location: Little Kancheepuram (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	47.7	92.5	63.5	51.6	115.1	86.8
19:00 to 20:00 Hr	50.9	94.0	63.4	56.9	123.0	89.8
20:00 to 21:00 Hr	52.8	93.9	61.1	54.2	113.0	82.0
21:00 to 22:00 Hr	51.6	91.6	65.5	49.8	114.5	79.8
22:00 to 23:00 Hr	52.2	71.7	55.4	36.9	88.2	55.0
23:00 to 24:00 Hr	34.6	64.7	49.1	38.9	60.2	41.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

KANCHEEPURAM

Name of the location: Little Kancheepuram (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	7	15	70	31	70	Satisfactory
14.10.2025	6	13	63	22	63	Satisfactory
15.10.2025	5	12	58	18	58	Satisfactory
16.10.2025	6	13	61	17	61	Satisfactory
17.10.2025	7	12	59	16	59	Satisfactory
18.10.2025	8	19	84	36	84	Satisfactory
19.10.2025	12	22	95	41	95	Satisfactory
20.10.2025	14	26	152	51	135	Moderate
21.10.2025	9	24	89	36	89	Satisfactory
22.10.2025	6	14	48	16	48	Good
23.10.2025	7	16	56	20	56	Satisfactory
24.10.2025	8	17	65	22	65	Satisfactory
25.10.2025	9	18	71	26	71	Satisfactory
26.10.2025	8	20	73	27	73	Satisfactory
27.10.2025	6	14	68	18	68	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

KANCHEEPURAM

Name of the location: Collector Office (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	6	16	78	28	78	Satisfactory
14.10.2025	7	14	65	19	65	Satisfactory
15.10.2025	6	13	62	17	62	Satisfactory
16.10.2025	8	15	68	19	68	Satisfactory
17.10.2025	7	14	69	18	69	Satisfactory
18.10.2025	7	20	81	24	81	Satisfactory
19.10.2025	9	19	89	31	89	Satisfactory
20.10.2025	15	28	99	42	99	Satisfactory
21.10.2025	8	22	78	32	78	Satisfactory
22.10.2025	7	20	63	26	63	Satisfactory
23.10.2025	9	18	72	28	72	Satisfactory
24.10.2025	8	21	69	24	69	Satisfactory
25.10.2025	10	22	79	27	79	Satisfactory
26.10.2025	7	20	75	26	75	Satisfactory
27.10.2025	8	16	70	21	70	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

08

Madurai

City

- * Latitude & Longitude : 9.55° N, 78.7° E
- * Climate / Meteorology
 - Pre-Deepavali day : Cloudy and Rainy
 - Deepavali day : Cloudy and Rainy
- * Population (2011 Census) : 30,38,252
- * Major land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**

Thiru Nagar (R)

Birla Visram (C)

Ambient Air Quality Survey

Thiru Nagar (R)

Birla Visram (C)

- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Regular Vehicular movements and activities
Deepavali: Crackers bursting

Noise level during Deepavali festival - 2025

Location: Thirunagar (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	47.9	98.1	65.2	54.1	103.1	75.7
19:00 to 20:00 Hr	51.4	93.0	60.2	54.0	92.5	65.7
20:00 to 21:00 Hr	54.9	79.4	59.2	54.2	88.0	73.8
21:00 to 22:00 Hr	48.0	84.9	55.4	53.9	86.4	65.5
22:00 to 23:00 Hr	47.1	62.9	51.9	52.8	80.1	62.0
23:00 to 24:00 Hr	40.2	58.7	48.5	49.6	74.0	58.0

Location: Birla Visram (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	48.6	97.7	63.4	42.9	126.4	86.1
19:00 to 20:00 Hr	51.8	87.5	63.7	48.5	114.5	82.8
20:00 to 21:00 Hr	55.7	82.8	63.6	56.5	124.3	91.1
21:00 to 22:00 Hr	53.3	91.9	64.1	57.4	106.1	75.0
22:00 to 23:00 Hr	42.5	68.4	60.8	44.6	96.7	68.8
23:00 to 24:00 Hr	40.2	66.4	57.3	45.7	89.5	67.4

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

MADURAI

Name of the location: Thiru Nagar (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	7	14	70	30	70	Satisfactory
14.10.2025	9	14	69	31	69	Satisfactory
15.10.2025	8	11	65	27	65	Satisfactory
16.10.2025	5	10	71	23	71	Satisfactory
17.10.2025	8	14	69	21	69	Satisfactory
18.10.2025	5	8	51	15	51	Satisfactory
19.10.2025	7	14	75	26	75	Satisfactory
20.10.2025	26	36	228	77	185	Moderate
21.10.2025	15	20	89	17	89	Satisfactory
22.10.2025	12	18	57	20	57	Satisfactory
23.10.2025	12	19	47	11	47	Good
24.10.2025	15	22	48	20	48	Good
25.10.2025	16	22	52	14	52	Satisfactory
26.10.2025	15	21	50	16	55	Satisfactory
27.10.2025	16	23	48	16	48	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

MADURAI

Name of the location: Birla Vishram (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	13	22	57	23	57	Satisfactory
14.10.2025	10	16	54	21	54	Satisfactory
15.10.2025	8	15	38	12	38	Good
16.10.2025	7	13	47	19	47	Good
17.10.2025	6	12	41	17	41	Good
18.10.2025	7	11	60	12	60	Satisfactory
19.10.2025	7	15	70	22	70	Satisfactory
20.10.2025	41	50	205	69	170	Moderate
21.10.2025	7	15	54	16	54	Satisfactory
22.10.2025	9	13	43	15	43	Good
23.10.2025	10	14	55	15	55	Satisfactory
24.10.2025	11	18	45	21	45	Good
25.10.2025	14	21	50	10	50	Good
26.10.2025	15	20	51	23	51	Satisfactory
27.10.2025	12	18	44	19	44	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

09

Nagapattinam

City

- * Latitude & Longitude : 10.76° N, 79.84° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear
 - Deepavali day : Cloudy & Drizzling
- * Population (2011 Census) : 1,02,905
- * Major land use : Residential

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
Chekkadi Street (R)
Ambient Air Quality Survey
Chekkadi Street (R)
MRP Nagar (R)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicular traffic were identified
Deepavali: Temporary pollution from deepavali fire crackers.

Noise level during Deepavali festival - 2025

Location: Chekkadi Street (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	38.4	99.1	58.7	45.4	100.2	73.2
19:00 to 20:00 Hr	38.0	80.5	51.8	46.8	107.6	75.8
20:00 to 21:00 Hr	37.0	79.8	51.3	43.6	107.7	73.2
21:00 to 22:00 Hr	40.7	80.2	52.1	43.2	115.3	78.7
22:00 to 23:00 Hr	37.2	72.6	47.4	43.5	115.2	78.4
23:00 to 24:00 Hr	34.9	81.7	48.6	42.4	104.6	72.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

NAGAPATTINAM

Name of the location: Chekkadi Street (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	8	13	59	22	59	Satisfactory
14.10.2025	8	12	38	16	38	Good
15.10.2025	8	13	29	21	35	Good
16.10.2025	9	14	43	19	43	Good
17.10.2025	9	15	36	16	36	Good
18.10.2025	9	14	32	18	32	Good
19.10.2025	10	16	52	32	53	Satisfactory
20.10.2025	17	21	128	110	267	Poor
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	8	12	22	11	22	Good
23.10.2025	7	11	32	25	42	Good
24.10.2025	8	13	49	20	49	Good
25.10.2025	8	14	42	16	42	Good
26.10.2025	7	13	37	25	42	Good
27.10.2025	8	15	47	23	47	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

NAGAPATTINAM

Name of the location: MRP Nagar (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	8	12	29	11	29	Good
14.10.2025	7	13	23	14	23	Good
15.10.2025	8	12	24	13	24	Good
16.10.2025	8	13	31	15	31	Good
17.10.2025	9	14	26	10	26	Good
18.10.2025	8	14	29	16	29	Good
19.10.2025	7	13	25	13	25	Good
20.10.2025	13	18	68	57	95	Satisfactory
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	7	11	21	12	21	Good
23.10.2025	8	12	53	29	53	Satisfactory
24.10.2025	7	13	31	27	46	Good
25.10.2025	8	13	26	17	29	Good
26.10.2025	7	12	32	26	43	Good
27.10.2025	9	14	43	24	42	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

10 Salem

City

- * Latitude & Longitude : 11.65° N, 78.16° E
- * Climate / Meteorology
 - Pre-Deepavali day : Cloudy & Rainy
 - Deepavali day : Cloudy
- * Population (2011 census) : 34,82,056
- * Major land use : Agriculture, Industries, Mining, Forest

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Sri Saradha Balamandhir School(R)
 - Municipal Corporation (C)**Ambient Air Quality Survey**
 - Sri Saradha Balamandhir School(R)
 - Municipality Office (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Location 1:** Residential area with Schools and Hospitals
Location 2: Frequent vehicle movement

Noise level during Deepavali festival - 2025

Location: Sri Saradha Balamandhir Boys School (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	51.0	83.1	60.8	50.5	110.7	79.0
19:00 to 20:00 Hr	50.6	83.1	60.3	62.2	99.2	83.0
20:00 to 21:00 Hr	48.9	88.0	59.9	57.0	100.9	80.9
21:00 to 22:00 Hr	47.5	81.1	57.5	51.3	95.5	72.1
22:00 to 23:00 Hr	46.5	78.2	55.1	47.8	77.0	66.3
23:00 to 24:00 Hr	44.6	73.5	54.2	40.6	97.5	71.5

Location: Municipality Office (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	60.6	88.9	71.7	58.7	110.4	75.4
19:00 to 20:00 Hr	61.9	88.7	69.5	66.2	91.6	75.9
20:00 to 21:00 Hr	60.4	92.0	70.3	63.4	93.4	75.6
21:00 to 22:00 Hr	60.6	87.7	67.7	60.1	92.4	74.5
22:00 to 23:00 Hr	59.9	89.3	63.9	53.4	88.7	70.2
23:00 to 24:00 Hr	56.1	88.6	62.1	48.5	84.4	65.3

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

SALEM

Name of the location: Sri Saradha Balamandhir Boys Higher Secondary School (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	6	11	35	14	35	Good
14.10.2025	6	12	40	15	40	Good
15.10.2025	7	14	39	15	39	Good
16.10.2025	9	16	43	16	43	Good
17.10.2025	10	19	50	19	50	Good
18.10.2025	10	20	56	23	56	Satisfactory
19.10.2025	15	28	70	29	70	Satisfactory
20.10.2025	21	35	182	67	155	Moderate
21.10.2025	16	28	110	56	107	Moderate
22.10.2025	11	24	70	42	70	Satisfactory
23.10.2025	10	22	52	30	52	Satisfactory
24.10.2025	11	23	48	29	48	Good
25.10.2025	10	21	45	24	45	Good
26.10.2025	9	21	42	20	42	Good
27.10.2025	10	23	44	21	44	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

SALEM

Name of the location: Municipality Office (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	11	20	52	17	52	Satisfactory
14.10.2025	13	22	56	18	56	Satisfactory
15.10.2025	14	23	58	19	58	Satisfactory
16.10.2025	14	25	57	21	57	Satisfactory
17.10.2025	15	29	60	24	60	Satisfactory
18.10.2025	14	29	68	25	68	Satisfactory
19.10.2025	17	36	88	35	88	Satisfactory
20.10.2025	22	38	178	64	152	Moderate
21.10.2025	18	27	108	51	105	Moderate
22.10.2025	12	26	67	39	67	Satisfactory
23.10.2025	11	25	56	29	56	Satisfactory
24.10.2025	11	24	57	25	57	Satisfactory
25.10.2025	11	25	54	22	54	Satisfactory
26.10.2025	12	23	51	21	51	Satisfactory
27.10.2025	13	23	53	24	53	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

11

Tirunelveli

City

- * Latitude & Longitude : 8.71° N, 77.76° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Cloudy
- * Population (2011 Census) : 4,73,637
- * Major Land use : Commercial and Socio-economic activities

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Pettai (I)
 - Tirunelveli Town (C)**Ambient Air Quality Survey**
 - Pettai (I)
 - Tirunelveli Town (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicle movements
Deepavali: Vehicle movement and bursting of crackers

Noise level during Deepavali festival - 2025

Location: Pettai (I)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	48.0	88.4	56.6	45.4	96.9	66.1
19:00 to 20:00 Hr	51.0	85.5	56	52.4	94.9	68.1
20:00 to 21:00 Hr	47.2	87.4	56.6	52.2	92.5	70.8
21:00 to 22:00 Hr	46.4	77.1	54	45.1	87.3	71.7
22:00 to 23:00 Hr	43.2	76.5	53.3	42.0	81.5	65.6
23:00 to 24:00 Hr	42.9	75.8	53	39.7	78.6	59.3

Location: Tirunelveli Town (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	49.6	74.2	60.9	50.2	84.8	79.2
19:00 to 20:00 Hr	47.3	71.9	58.7	52.6	86.9	82.8
20:00 to 21:00 Hr	45.9	69.3	56.2	50.8	90.4	80.4
21:00 to 22:00 Hr	44.1	64.5	55.3	48.2	85.8	76.4
22:00 to 23:00 Hr	42.4	59.5	53.9	42.4	73.5	62.7
23:00 to 24:00 Hr	41.2	56.8	51.9	38.4	51.7	43.5

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TIRUNELVELI

Name of the location: Pettai (I)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	14	20	60	27	60	Satisfactory
14.10.2025	16	21	64	29	64	Satisfactory
15.10.2025	15	22	62	27	62	Satisfactory
16.10.2025	17	23	77	32	77	Satisfactory
17.10.2025	18	23	92	34	92	Satisfactory
18.10.2025	18	23	103	35	102	Moderate
19.10.2025	20	26	120	38	113	Moderate
20.10.2025	21	27	142	41	128	Moderate
21.10.2025	19	25	116	38	111	Moderate
22.10.2025	18	24	96	35	96	Satisfactory
23.10.2025	13	18	77	32	77	Satisfactory
24.10.2025	16	22	70	30	70	Satisfactory
25.10.2025	15	20	64	29	64	Satisfactory
26.10.2025	16	22	66	31	66	Satisfactory
27.10.2025	15	21	65	28	65	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TIRUNELVELI

Name of the location: Town (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	13	19	52	24	52	Satisfactory
14.10.2025	14	20	59	26	59	Satisfactory
15.10.2025	14	20	57	25	57	Satisfactory
16.10.2025	14	21	66	27	66	Satisfactory
17.10.2025	15	21	81	29	81	Satisfactory
18.10.2025	17	22	91	31	91	Satisfactory
19.10.2025	18	23	104	34	103	Moderate
20.10.2025	19	24	124	37	116	Moderate
21.10.2025	18	23	103	34	102	Moderate
22.10.2025	16	23	82	31	82	Satisfactory
23.10.2025	15	20	65	28	65	Satisfactory
24.10.2025	14	20	58	25	58	Satisfactory
25.10.2025	14	19	54	24	54	Satisfactory
26.10.2025	14	20	59	27	59	Satisfactory
27.10.2025	14	20	56	25	56	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

12

Nagercoil

City

- * Latitude & Longitude : 8.18° N, 77.41° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Cloudy
- * Population (2011 Census) : 2,24,849
- * Major Land use : Commercial and Socio-economic activities

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
 - Water Tank Road (C)
 - Scott Christian College (R)**Ambient Air Quality Survey**
 - Water Tank Road (C)
 - Scott Christian College (R)
- * Activities around the monitoring location / sources of Noise Pollution : **PreDeepavali:** Vehicle movements
Deepavali: Vehicle movements and bursting of crackers

Noise level during Deepavali festival - 2025

Location: Water Tank (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	46.0	72.4	53.8	48.0	80.5	64.2
19:00 to 20:00 Hr	49.6	70.3	56.0	51.2	83.6	68.7
20:00 to 21:00 Hr	48.0	73.4	52.7	53.6	85.0	70.6
21:00 to 22:00 Hr	45.2	69.1	50.2	49.0	79.4	69.0
22:00 to 23:00 Hr	41.0	64.0	48.9	46.3	72.6	63.7
23:00 to 24:00 Hr	40.8	57.7	46.2	44.2	69.8	58.4

Location: Scott Christian College (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	45.6	52.9	47.2	44.5	81.9	60.2
19:00 to 20:00 Hr	45.8	56.7	50.3	47.3	88.8	61.3
20:00 to 21:00 Hr	44.2	52.8	49.8	44.1	87.2	58.5
21:00 to 22:00 Hr	43.3	50.8	48.4	42.8	81.6	59.2
22:00 to 23:00 Hr	42.4	49.6	45.6	40.5	79.8	53.4
23:00 to 24:00 Hr	40.3	49.5	44.8	39.8	75.2	49.2

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

NAGERCOIL

Name of the location: Water Tank Road (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	13	18	56	26	56	Satisfactory
14.10.2025	15	21	63	28	63	Satisfactory
15.10.2025	15	20	59	26	59	Satisfactory
16.10.2025	16	22	71	30	71	Satisfactory
17.10.2025	17	23	87	31	87	Satisfactory
18.10.2025	17	23	96	33	96	Satisfactory
19.10.2025	19	24	114	36	109	Moderate
20.10.2025	20	26	134	39	123	Moderate
21.10.2025	19	25	110	36	107	Moderate
22.10.2025	17	23	86	33	86	Satisfactory
23.10.2025	15	21	72	30	72	Satisfactory
24.10.2025	14	20	65	28	65	Satisfactory
25.10.2025	15	21	60	27	60	Satisfactory
26.10.2025	15	21	63	29	63	Satisfactory
27.10.2025	14	21	61	26	61	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

NAGERCOIL

Name of the location: Scott Christian College (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	12	17	46	21	46	Good
14.10.2025	14	20	48	24	48	Good
15.10.2025	13	18	55	23	55	Satisfactory
16.10.2025	14	19	61	25	61	Satisfactory
17.10.2025	15	20	68	27	68	Satisfactory
18.10.2025	16	22	84	29	84	Satisfactory
19.10.2025	17	22	100	31	100	Satisfactory
20.10.2025	18	24	112	35	108	Moderate
21.10.2025	18	23	95	32	95	Satisfactory
22.10.2025	16	22	74	29	74	Satisfactory
23.10.2025	13	19	56	27	56	Satisfactory
24.10.2025	13	19	50	24	50	Good
25.10.2025	13	18	48	23	48	Good
26.10.2025	14	19	54	25	54	Satisfactory
27.10.2025	13	19	47	24	47	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

13 Trichy

City

- * Latitude & Longitude : 10.82° N, 78.68° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Cloudy
- * Population (2011 Census) : 27,22,290
- * Major Land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: Area / Zone : **Noise Level Survey**

Thillai Nagar (R)

Ambient Air Quality Survey

Gandhi Park (C)

Bishop Heber College (R)

- * Activities around the monitoring location / sources of Noise Pollution :

Pre Deepavali: All type of vehicles movement were observed.

Deepavali: Crackers were burnt near the monitoring stations.

Noise level during Deepavali festival - 2025

Location: Thillai Nagar (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	49.0	74.2	61.8	46.0	113.7	82.1
19:00 to 20:00 Hr	48.3	74.8	59.8	57.6	117.5	85.3
20:00 to 21:00 Hr	43.7	72.9	55.4	51.2	115.0	82.9
21:00 to 22:00 Hr	43.0	70.4	53.7	44.3	118.3	83.9
22:00 to 23:00 Hr	41.4	67.2	49.5	36.0	106.1	81.4
23:00 to 24:00 Hr	40.2	64.3	48.0	39.8	107.3	80.4

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TRICHY

Name of the location: Gandhi Park (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	14	18	30	9	30	Good
14.10.2025	17	22	36	12	36	Good
15.10.2025	16	21	37	13	37	Good
16.10.2025	16	20	39	15	39	Good
17.10.2025	16	21	46	18	46	Good
18.10.2025	17	22	51	20	51	Satisfactory
19.10.2025	19	23	57	23	57	Satisfactory
20.10.2025	23	34	128	56	119	Moderate
21.10.2025	21	27	92	42	92	Satisfactory
22.10.2025	15	20	51	24	51	Satisfactory
23.10.2025	13	17	44	19	44	Good
24.10.2025	14	19	40	16	40	Good
25.10.2025	12	16	37	14	37	Good
26.10.2025	12	16	34	12	34	Good
27.10.2025	10	14	30	10	30	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TRICHY

Name of the location: Bishop Heber College (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	13	17	32	8	32	Good
14.10.2025	15	20	37	11	37	Good
15.10.2025	14	19	39	13	39	Good
16.10.2025	14	19	41	14	41	Good
17.10.2025	16	22	45	17	45	Good
18.10.2025	18	22	49	19	49	Good
19.10.2025	19	23	56	22	56	Satisfactory
20.10.2025	22	29	116	52	111	Moderate
21.10.2025	20	25	90	39	90	Satisfactory
22.10.2025	16	20	58	23	58	Satisfactory
23.10.2025	14	18	49	21	49	Good
24.10.2025	14	18	42	16	42	Good
25.10.2025	14	18	39	13	39	Good
26.10.2025	12	16	35	11	35	Good
27.10.2025	11	15	31	9	31	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

14

Thanjavur

City

- * Latitude & Longitude : 10.76° N, 79.13° E
- * Climate / Meteorology
 - Pre-Deepavali day : Clear Sky
 - Deepavali day : Cloudy
- * Population (2011 Census) : 24,05,890
- * Major Land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: **Area / Zone** : **Noise Level Survey**
Arulanandhammal Nagar (R)
Ambient Air Quality Survey
Teachers Colony (C)
Philomina Nagar (R)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicles movement observed.
Deepavali: Crackers were burnt near the monitoring stations

Noise level during Deepavali festival - 2025

Location: Arulanandhammal Nagar (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	41.0	100.3	64.1	43.2	113.4	83.1
19:00 to 20:00 Hr	42.3	92.4	62.4	51.2	106.5	82.1
20:00 to 21:00 Hr	41.0	95.6	61.7	42.9	124.6	96.5
21:00 to 22:00 Hr	41.1	91.1	63.4	39.7	122.2	95.2
22:00 to 23:00 Hr	38.5	95.4	58.5	42.0	102.4	76.5
23:00 to 24:00 Hr	37.9	85.2	55.6	39.4	90.5	59.3

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

THANJAVUR

Name of the location: Teachers Colony (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	15	18	48	21	48	Good
14.10.2025	14	15	36	18	36	Good
15.10.2025	13	15	32	15	32	Good
16.10.2025	12	14	36	18	36	Good
17.10.2025	10	14	29	13	29	Good
18.10.2025	11	14	35	14	35	Good
19.10.2025	19	23	87	39	87	Satisfactory
20.10.2025	25	37	154	62	136	Moderate
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	16	21	41	19	41	Good
23.10.2025	14	20	38	17	38	Good
24.10.2025	13	16	39	18	39	Good
25.10.2025	12	15	36	17	36	Good
26.10.2025	11	14	38	16	38	Good
27.10.2025	11	15	36	16	36	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

THANJAVUR

Name of the location: Philomina Nagar (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	15	18	43	21	43	Good
14.10.2025	13	15	34	17	34	Good
15.10.2025	12	15	32	17	32	Good
16.10.2025	13	15	33	14	33	Good
17.10.2025	12	16	30	14	30	Good
18.10.2025	13	18	34	15	34	Good
19.10.2025	21	24	89	41	89	Satisfactory
20.10.2025	31	41	174	74	149	Moderate
21.10.2025	RF	RF	RF	RF	-	NA
22.10.2025	18	23	42	20	42	Good
23.10.2025	17	23	40	19	40	Good
24.10.2025	14	17	41	20	41	Good
25.10.2025	12	16	39	17	39	Good
26.10.2025	12	16	41	21	41	Good
27.10.2025	11	15	38	19	38	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

15

Tiruppur

City

- * Latitude & Longitude : 11.10° N, 77.34° E
- * Climate / Meteorology
 - Pre-Deepavali day : Partially Cloudy/ Rainy
 - Deepavali day : Cloudy/ Rainy
- * Population (2011 Census) : 24,79,052
- * Major Land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: Area / Zone : **Noise Level Survey**
 - Rayapuram (R)
 - Kumaran Complex (C)**Ambient Air Quality Survey**
 - Rayapuram (R)
 - Kumaran Complex (C)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Vehicles movement.
Deepavali: Vehicles movement and fire crackers

Noise level during Deepavali festival - 2025

Location: Rayapuram (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	39.8	78.3	58.1	50.9	103.4	76.5
19:00 to 20:00 Hr	43.0	74.1	54.9	54.8	114.8	88.0
20:00 to 21:00 Hr	44.2	78.2	55.5	52.0	103.0	75.5
21:00 to 22:00 Hr	40.9	69.2	48.2	53.6	100.4	71.8
22:00 to 23:00 Hr	40.6	71.4	48.0	55.1	110.9	83.7
23:00 to 24:00 Hr	37.7	61.4	45.9	49.3	98.5	68.4

Location: Kumaran Complex (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	46.8	80.5	57.9	46.2	81.4	58.4
19:00 to 20:00 Hr	48.1	81.2	58.3	45.9	83.4	59.0
20:00 to 21:00 Hr	45.5	73.4	52.3	46.3	86.0	68.8
21:00 to 22:00 Hr	46.0	84.1	57.0	48.7	89.4	70.2
22:00 to 23:00 Hr	44.7	78.2	52.7	44.1	71.7	56.3
23:00 to 24:00 Hr	46.0	71.9	51.0	41.9	80.1	52.9

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TIRUPPUR

Name of the location: Rayapuram (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	7	16	36	19	36	Good
14.10.2025	10	18	40	22	40	Good
15.10.2025	6	15	32	16	32	Good
16.10.2025	10	19	49	19	49	Good
17.10.2025	9	18	46	17	46	Good
18.10.2025	9	15	39	19	39	Good
19.10.2025	9	18	46	24	46	Good
20.10.2025	21	37	116	71	137	Moderate
21.10.2025	18	26	75	45	75	Satisfactory
22.10.2025	8	19	41	17	41	Good
23.10.2025	8	16	38	15	38	Good
24.10.2025	7	16	35	14	35	Good
25.10.2025	8	18	32	17	32	Good
26.10.2025	9	19	36	20	36	Good
27.10.2025	8	18	39	19	39	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

TIRUPPUR

Name of the location: Kumaran Complex (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	9	17	49	28	49	Good
14.10.2025	12	22	52	30	52	Satisfactory
15.10.2025	10	19	54	32	54	Satisfactory
16.10.2025	14	25	61	36	61	Satisfactory
17.10.2025	15	26	64	38	64	Satisfactory
18.10.2025	13	24	59	21	59	Satisfactory
19.10.2025	12	22	54	23	54	Satisfactory
20.10.2025	19	30	69	37	69	Satisfactory
21.10.2025	14	23	65	40	67	Satisfactory
22.10.2025	12	26	48	20	48	Good
23.10.2025	8	17	42	18	42	Good
24.10.2025	8	17	37	19	37	Good
25.10.2025	10	24	35	18	35	Good
26.10.2025	12	21	42	24	42	Good
27.10.2025	7	16	38	17	38	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025

16

Thoothukudi

City

- * Latitude & Longitude : 8.47° N, 78.11° E
- * Climate / Meteorology
 - Pre-Deepavali day : Rainy and Drizzling
 - Deepavali day : Rainy and Drizzling
- * Population (2011 Census) : 2,37,830 (City)
- * Major Land use : Industrial, Residential and Commercial

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: Area / Zone : **Noise Level Survey**
 - Celseeni Colony (R)
 - Rajiv Nagar (R)**Ambient Air Quality Survey**
 - Celseeni Colony (R)
 - Rajiv Nagar (R)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Only movement of Vehicles around the area.
Deepavali: Bursting of fire crackers

Noise level during Deepavali festival - 2025

Location: Celseeni Colony (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	44.6	82.0	62.8	44.8	120.3	76.4
19:00 to 20:00 Hr	43.5	81.2	61.2	52.5	116.8	83.6
20:00 to 21:00 Hr	42.4	80.9	60.4	48.3	110.5	79.5
21:00 to 22:00 Hr	41.5	76.3	56.3	46.5	102.4	74.2
22:00 to 23:00 Hr	39.8	68.3	51.2	41.0	98.8	65.6
23:00 to 24:00 Hr	38.2	65.1	49.5	38.4	94.6	58.8

Location: Rajiv Nagar (R)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	38.9	89.1	56.6	35.7	115.2	75.4
19:00 to 20:00 Hr	34.8	89.0	58.2	47.8	110.1	81.7
20:00 to 21:00 Hr	32.7	82.5	57.4	42.4	101.5	76.5
21:00 to 22:00 Hr	35.6	80.2	55.8	42.0	98.4	68.6
22:00 to 23:00 Hr	34.3	69.6	50.9	39.5	95.8	62.8
23:00 to 24:00 Hr	33.9	64.3	48.4	38.6	92.5	57.4

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

THOOTHUKUDI

Name of the location: Celseeni Colony (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	9	16	58	17	58	Satisfactory
14.10.2025	7	12	39	12	39	Good
15.10.2025	6	11	45	17	45	Good
16.10.2025	8	13	38	15	38	Good
17.10.2025	6	11	41	13	41	Good
18.10.2025	8	14	59	18	59	Satisfactory
19.10.2025	13	19	70	25	70	Satisfactory
20.10.2025	26	33	286	110	268	Poor
21.10.2025	23	29	153	49	136	Moderate
22.10.2025	13	19	59	30	59	Satisfactory
23.10.2025	9	16	51	15	51	Satisfactory
24.10.2025	9	16	53	16	53	Satisfactory
25.10.2025	9	15	46	11	46	Good
26.10.2025	9	15	48	16	48	Good
27.10.2025	8	14	57	18	57	Satisfactory
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

THOOTHUKUDI

Name of the location: Rajiv Nagar (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	6	12	51	13	51	Satisfactory
14.10.2025	5	11	35	10	35	Good
15.10.2025	5	11	43	16	43	Good
16.10.2025	7	12	41	14	41	Good
17.10.2025	5	11	34	12	34	Good
18.10.2025	7	12	54	16	54	Satisfactory
19.10.2025	11	17	47	14	47	Good
20.10.2025	22	27	152	52	135	Moderate
21.10.2025	20	26	101	28	101	Moderate
22.10.2025	9	15	48	18	48	Good
23.10.2025	7	14	42	11	42	Good
24.10.2025	6	13	44	13	44	Good
25.10.2025	6	12	36	11	36	Good
26.10.2025	6	12	43	13	43	Good
27.10.2025	6	11	45	13	45	Good
* All Values (24 hourly Average) are in µg/m ³						

Deepavali Monitoring 2025



City

- * Latitude & Longitude : 12.95° N, 79.14° E
- * Climate / Meteorology
 - Pre-Deepavali day : Partially Cloudy & Rainfall
 - Deepavali day : Cloudy & Rainfall
- * Population (2011 Census) : 39,36,331
- * Major Land use : Mixed

Monitoring Locations

- * Map showing all monitoring locations of the city : Enclosed
- * Description of monitoring site: Area / Zone : **Noise Level Survey**
 - Gandhi Nagar (C)**Ambient Air Quality Survey**
 - Gandhi Nagar (C)
 - Sathuvachari (R)
- * Activities around the monitoring location / sources of Noise Pollution : **Pre Deepavali:** Regular movement of Vehicles
Deepavali: Bursting of Crackers and Vehicle Movement

Noise level during Deepavali festival - 2025

Location: Gandhi Nagar (C)	Pre - Deepavali Day (13.10.2025)			Deepavali Day (20.10.2025)		
	dB(A)			dB(A)		
Time duration	L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
18:00 to 19:00 Hr	56.5	94.9	73.1	52.0	92.3	68.5
19:00 to 20:00 Hr	58.4	90.6	68.7	57.7	110.1	80.9
20:00 to 21:00 Hr	57.1	85.3	65.6	50.3	108.0	79.6
21:00 to 22:00 Hr	57.5	86.4	65.9	54.3	106.8	78.1
22:00 to 23:00 Hr	57.0	81.1	61.8	48.8	112.4	76.4
23:00 to 24:00 Hr	55.7	80.8	61.4	53.5	95.2	69.7

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

VELLORE

Name of the location: Gandhi Nagar (C)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	17	21	50	21	50	Good
14.10.2025	13	17	48	17	48	Good
15.10.2025	13	17	50	19	50	Good
16.10.2025	15	19	53	20	53	Satisfactory
17.10.2025	15	20	54	22	54	Satisfactory
18.10.2025	18	22	61	23	61	Satisfactory
19.10.2025	21	30	69	27	69	Satisfactory
20.10.2025	24	33	102	43	101	Moderate
21.10.2025	12	16	62	25	62	Satisfactory
22.10.2025	13	17	56	23	56	Satisfactory
23.10.2025	14	18	58	25	58	Satisfactory
24.10.2025	14	19	59	24	59	Satisfactory
25.10.2025	10	14	49	20	49	Good
26.10.2025	12	16	53	22	53	Satisfactory
27.10.2025	10	14	49	19	49	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality data during Deepavali festival from 13.10.2025 to 27.10.2025

Annexure - V

VELLORE

Name of the location: Sathuvachari (R)						
Date	Regulatory Parameters					
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	AQI Remarks
13.10.2025	11	14	47	17	47	Good
14.10.2025	12	15	45	13	45	Good
15.10.2025	10	13	47	14	47	Good
16.10.2025	9	13	49	12	49	Good
17.10.2025	12	16	48	19	48	Good
18.10.2025	15	20	54	21	54	Satisfactory
19.10.2025	17	21	65	26	65	Satisfactory
20.10.2025	20	27	113	51	109	Moderate
21.10.2025	11	15	57	22	57	Satisfactory
22.10.2025	12	16	51	20	51	Satisfactory
23.10.2025	12	16	53	22	53	Satisfactory
24.10.2025	13	17	51	21	51	Satisfactory
25.10.2025	7	10	45	17	45	Good
26.10.2025	10	15	48	19	48	Good
27.10.2025	9	12	43	15	43	Good
* All Values (24 hourly Average) are in µg/m ³						

Ambient Air Quality Monitoring - Deepavali - 2025

SAMPLING LOCATIONS

Name of the City	No. of Stations	AAQM Stations
1. Chennai	1	Besant Nagar (R)
	2	T.Nagar (C)
	3	Nungambakkam (R)
	4	Triplicane (R)
	5	Sowcarpet (C)
	6	Valasaravakkam (R)
	7	Tiruvottiyur (C)
2. Chengalpet	8	O/o. DEL, Maraimalai Nagar (C)
	9	M/s. GE T & D India Lmt. (C)
3. Coimbatore	10	Kavundampalayam (R)
	11	District Collectorate (C)
4. Cuddalore	12	Imperial Road (C)
	13	Collectorate Building (R)
5. Dindigul	14	Collector office complex (R)
	15	Urban Health Centre (C)
6. Hosur	16	O/o. DEE, TNPCB (R)
	17	Nawal Analytical Lab (C)
7. Kancheepuram	18	Little Kancheepuram (R)
	19	Collector Office (C)
8. Madurai	20	Thiru Nagar (R)
	21	Birla Vishram (C)
9. Nagapattinam	22	MRP Nagar (R)
	23	Chekkadi Street (R)
10. Salem	24	Sri Saradha Balamandhir School (R)
	25	Municipality Office (C)
11. Tirunelveli	26	Pettai (I)
	27	Tirunelveli Town (R)
12. Nagercoil	28	Water Tank Road (C)
	29	Scott Christian College (R)
13. Trichy	30	Gandhi Park (C)
	31	Bishop Heber College (R)
14. Thanjavur	32	Teachers colony (C)
	33	Philomina Nagar (R)
15. Tiruppur	34	Rayapuram (R)
	35	Kumaran Complex (C)
16. Thoothukudi	36	Celseeni Colony (R)
	37	Rajiv Nagar (R)
17. Vellore	38	Gandhi Nagar (C)
	39	Sathuvachari (R)

R- Residential, S- Sensitive, C- Commercial, I - Industrial

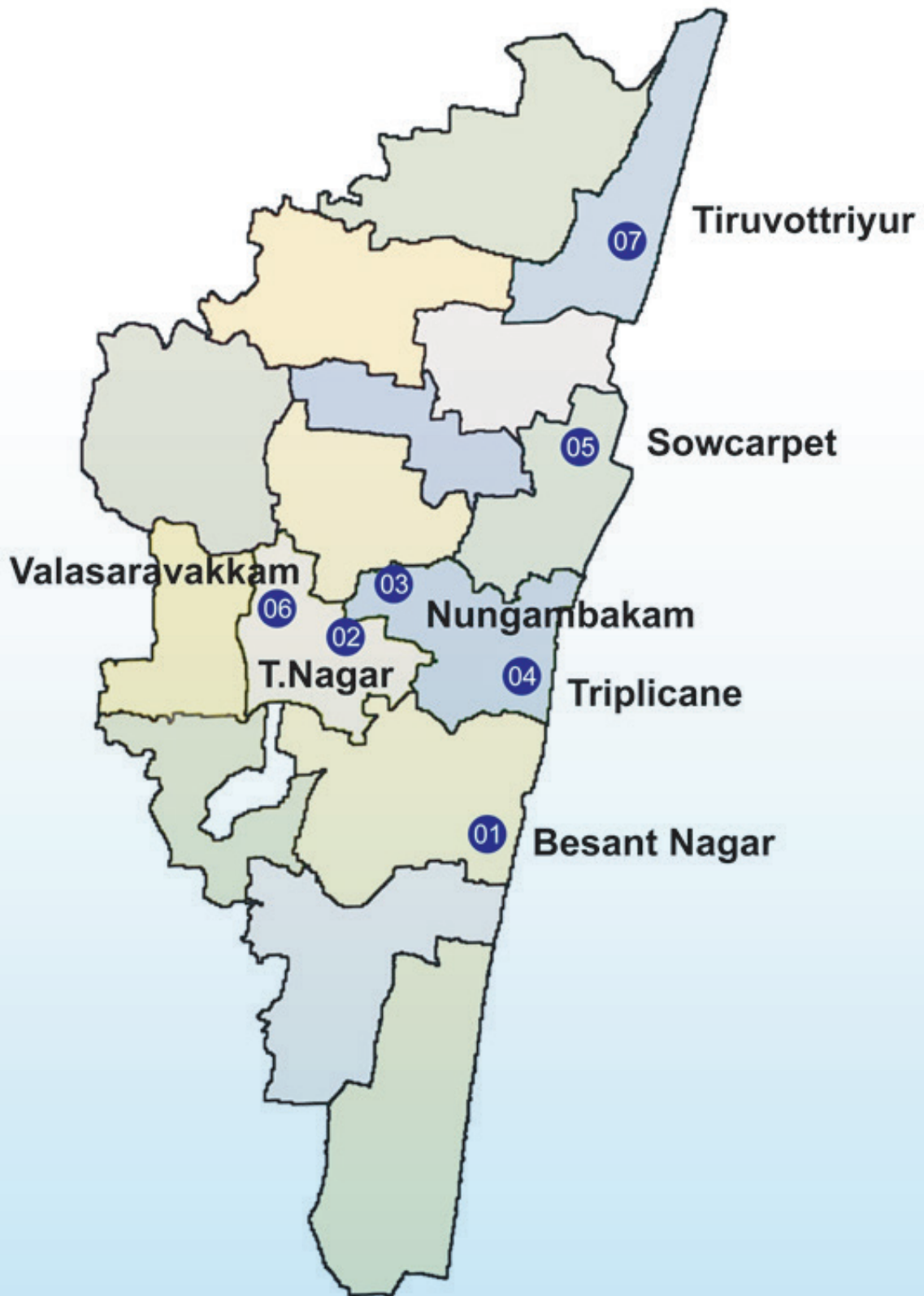
Noise Level Survey - Deepavali - 2025

SAMPLING LOCATIONS

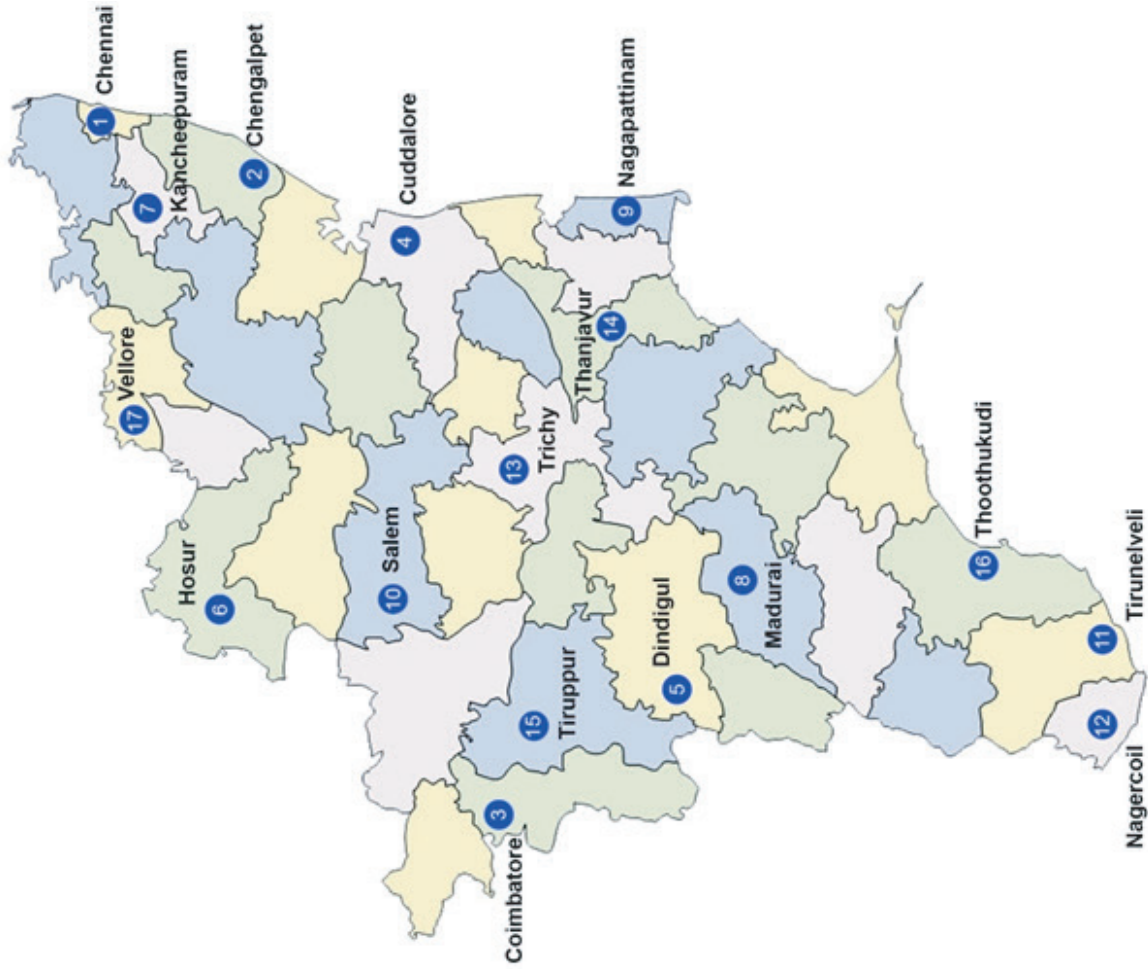
Name of the City	No. of Stations	NLS Stations
1. Chennai city	1	Besant Nagar (R)
	2	T.Nagar (C)
	3	Nungambakkam (R)
	4	Triplicane (R)
	5	Sowcarpet (C)
	6	Valasaravakkam (R)
	7	Tiruvottiyur (C)
2. Chengalpet	8	O/o. DEL, Maraimalai Nagar (C)
	9	M/s. GE T & D India Lmt. (C)
3. Coimbatore	10	Kavundampalayam (R)
	11	District Collectorate (C)
4. Cuddalore	12	Imperial Road (C)
	13	Collectorate Building (R)
5. Dindigul	14	Collector office complex (R)
	15	Urban Health Centre (C)
6. Hosur	16	O/o. DEE, TNPCB (R)
	17	Nawal Analytical Lab (C)
7. Kancheepuram	18	Little Kancheepuram (R)
8. Madurai	19	Thiru Nagar (R)
	20	Birla Vishram (C)
9. Nagapattinam	21	Chekkadi Street (R)
10. Salem	22	Sri Saradha Balamandhir School (R)
	23	Municipality Office (C)
11. Tirunelveli	24	Pettai (I)
	25	Tirunelveli Town (R)
12. Nagercoil	26	Water Tank Road (C)
	27	Scott Christian College (R)
13. Trichy	28	Thillai Nagar(R)
14. Thanjavur	29	Arulanandhammal Nagar (R.)
15. Tiruppur	30	Rayapuram (R)
	31	Kumaran Complex (C)
16. Thoothukudi	32	Celseeni Colony (R)
	33	Rajiv Nagar (R)
17. Vellore	34	Gandhi Nagar (C)

R- Residential, S- Sensitive, C- Commercial, I - Industrial

Monitoring Locations in Chennai – Map



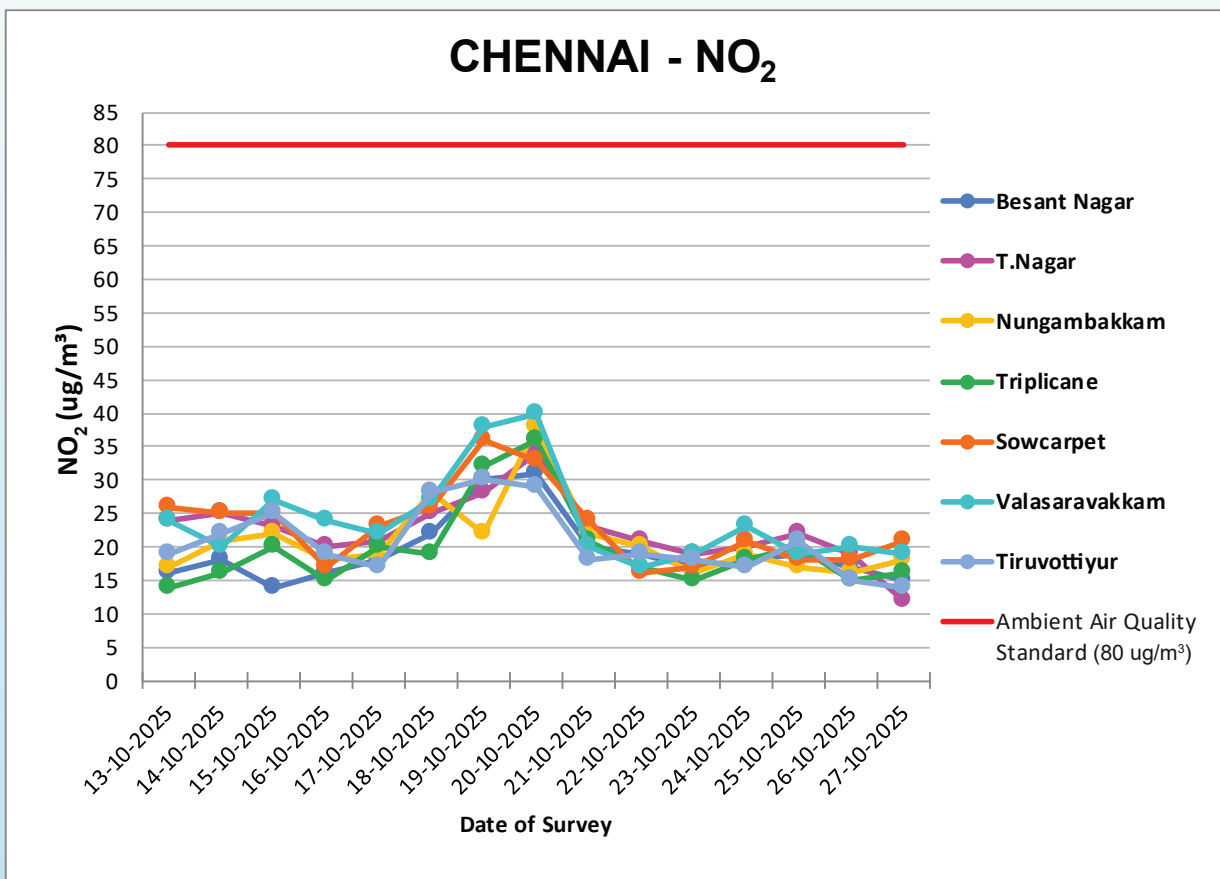
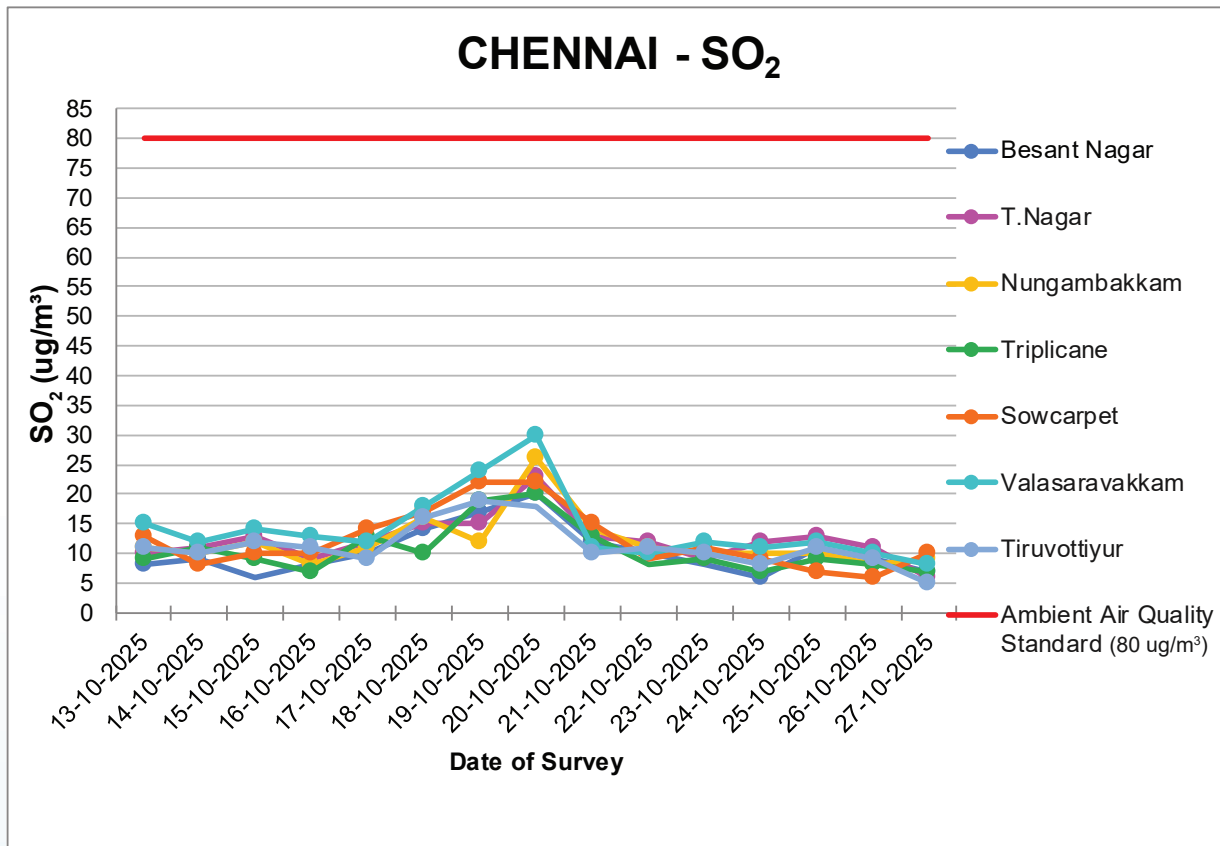
Monitoring Locations distributed in 17 cities across the state of Tamil Nadu - Map



R - Residential, S - Sensitive, C - Commercial, I - Industrial

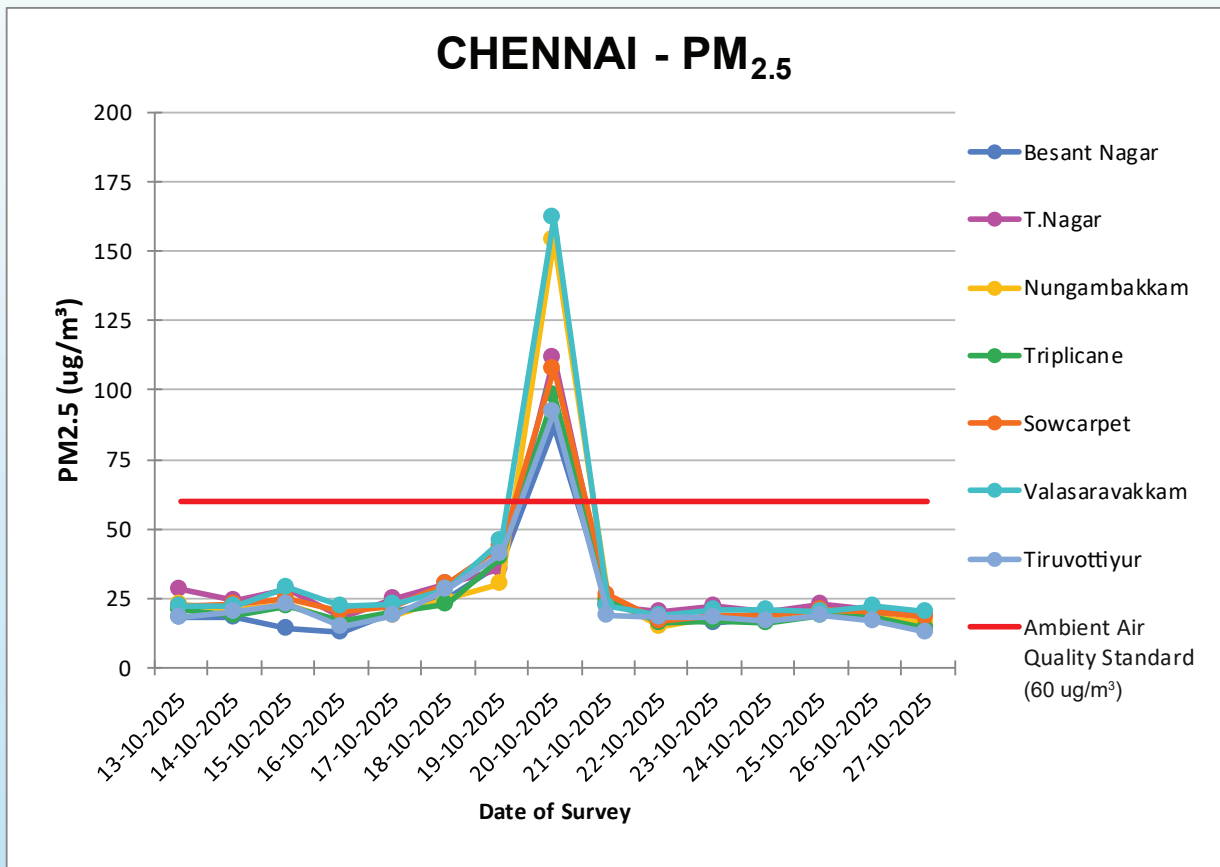
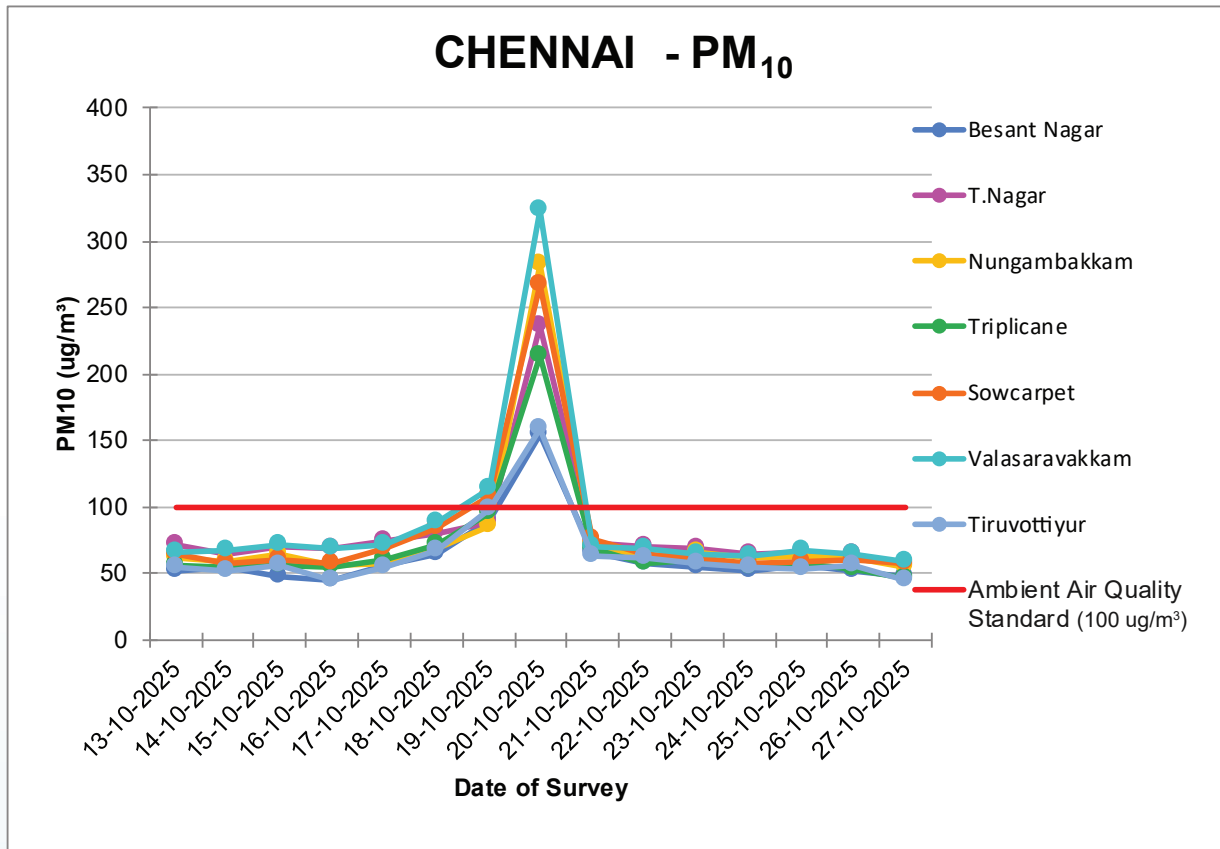
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



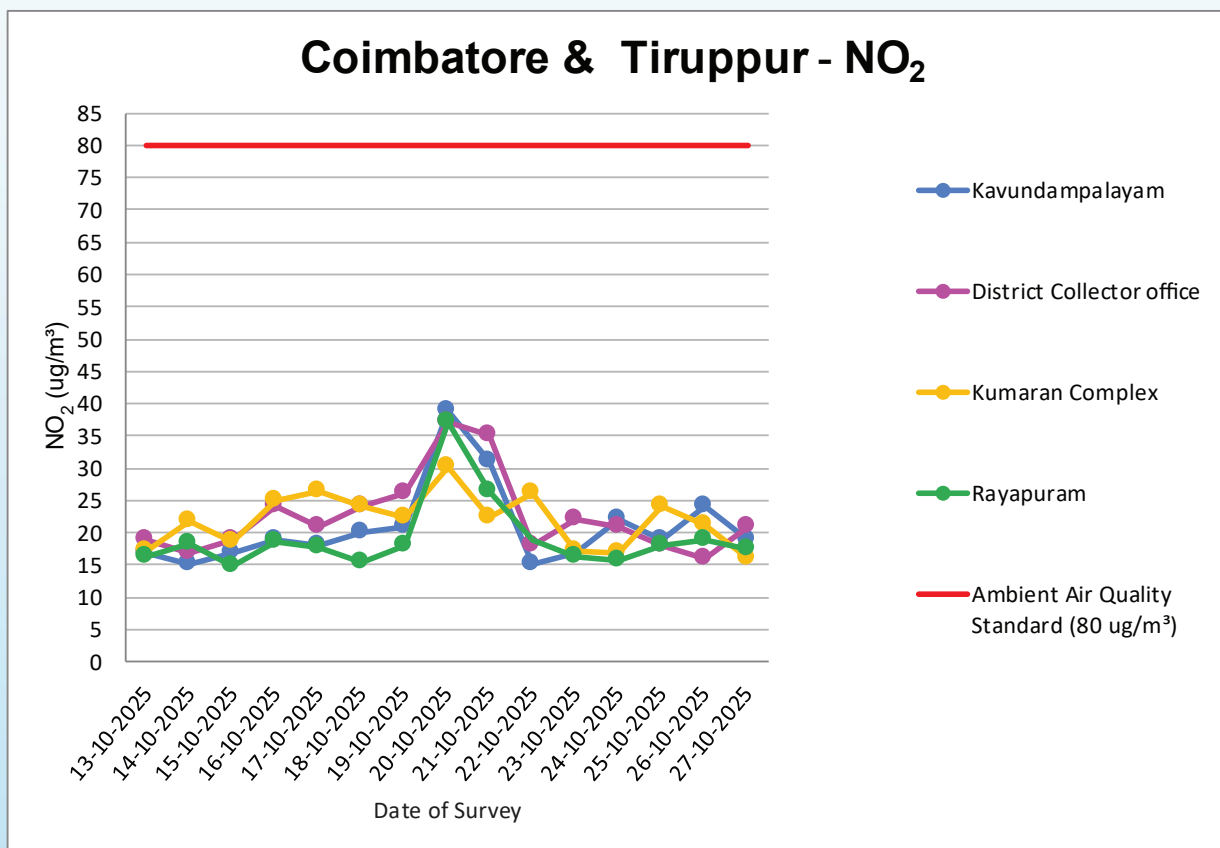
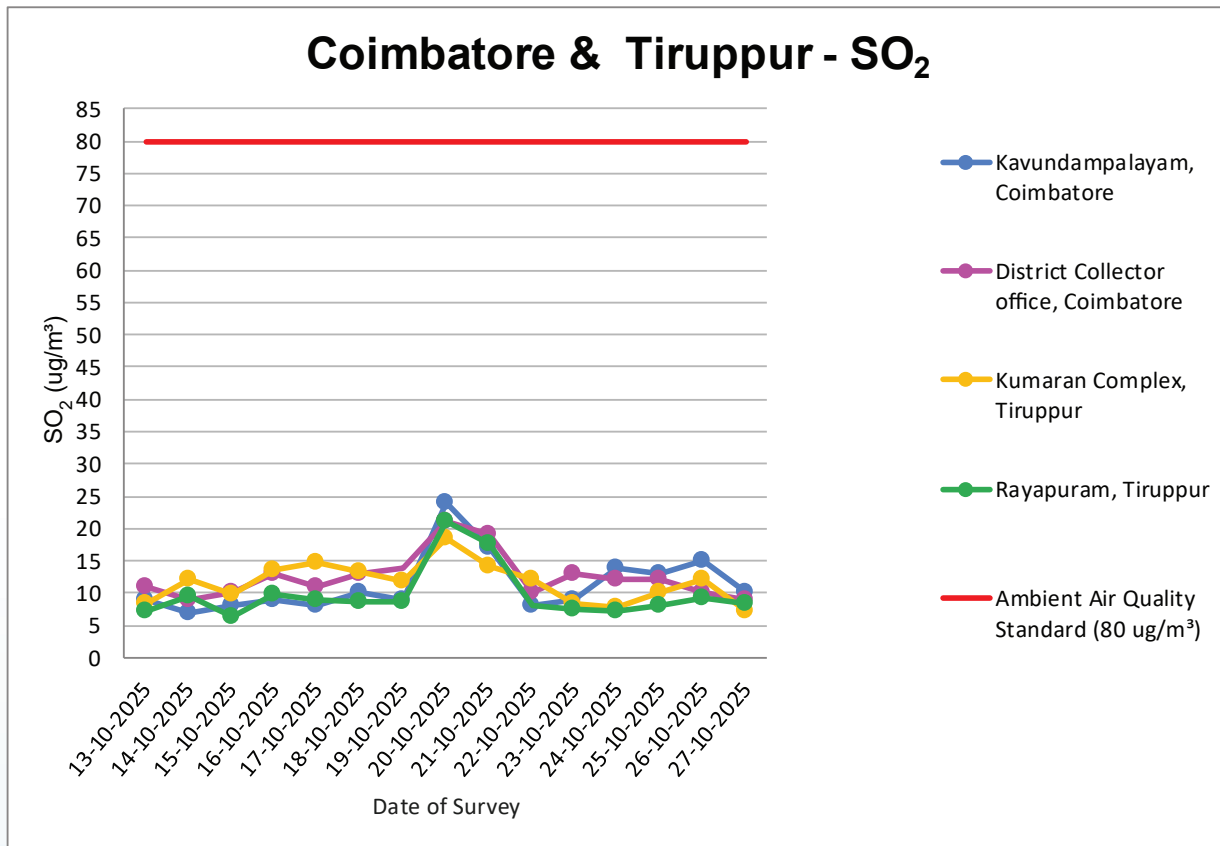
Deepavali Survey - 2025

Trend Graph of Particulate Matter



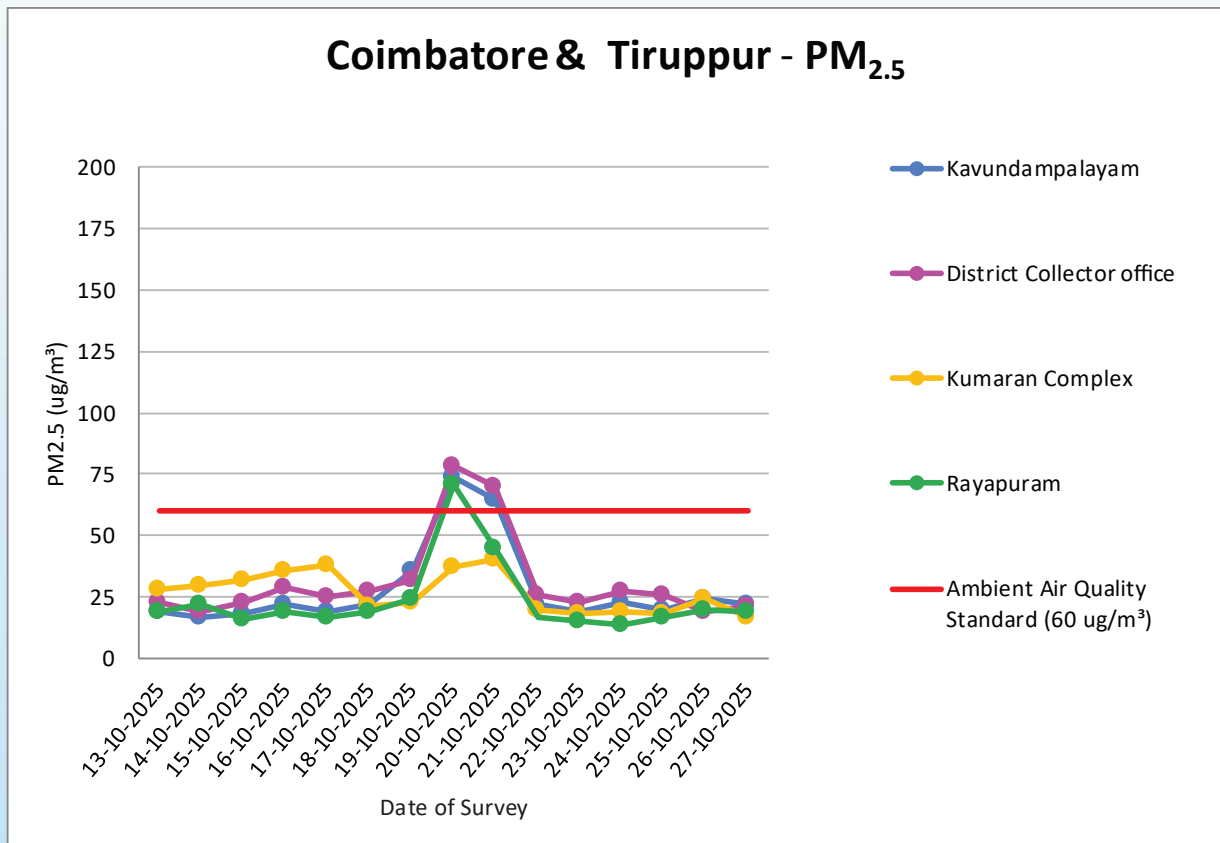
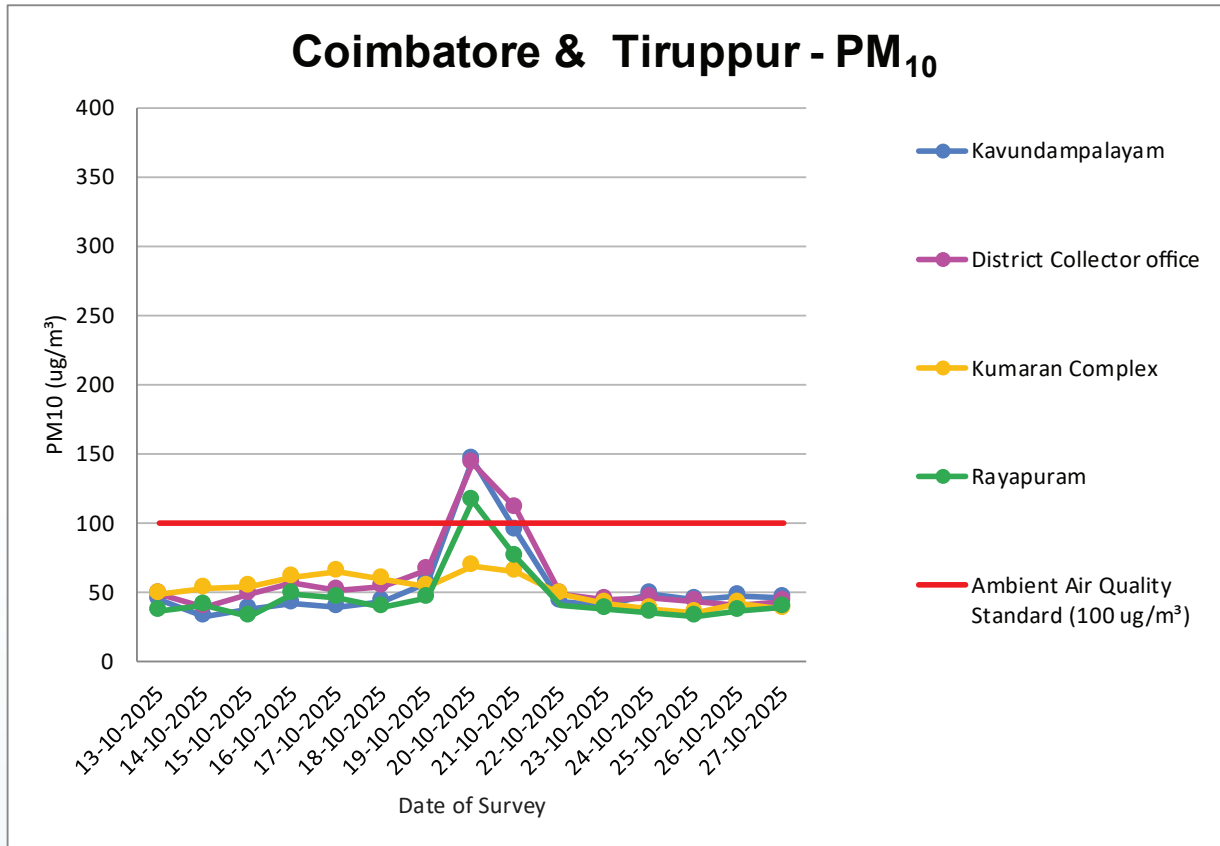
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



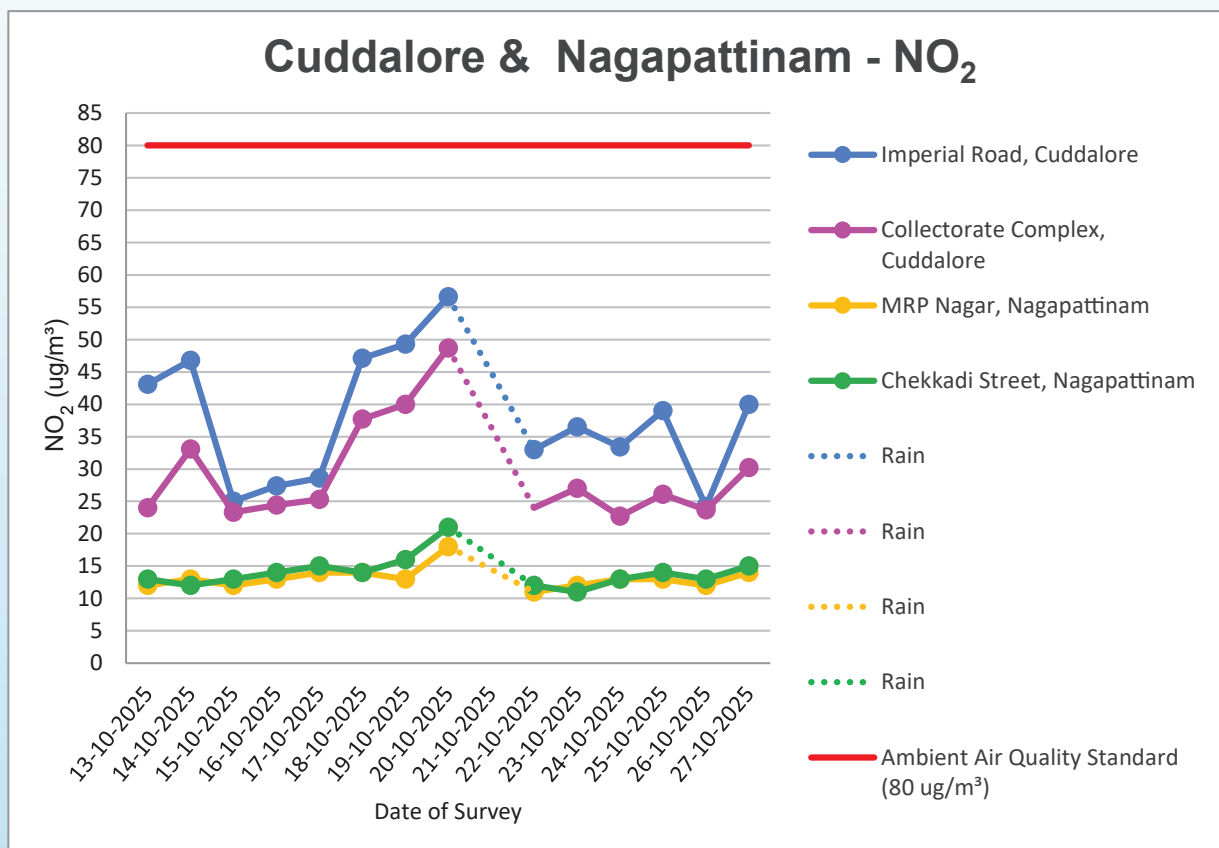
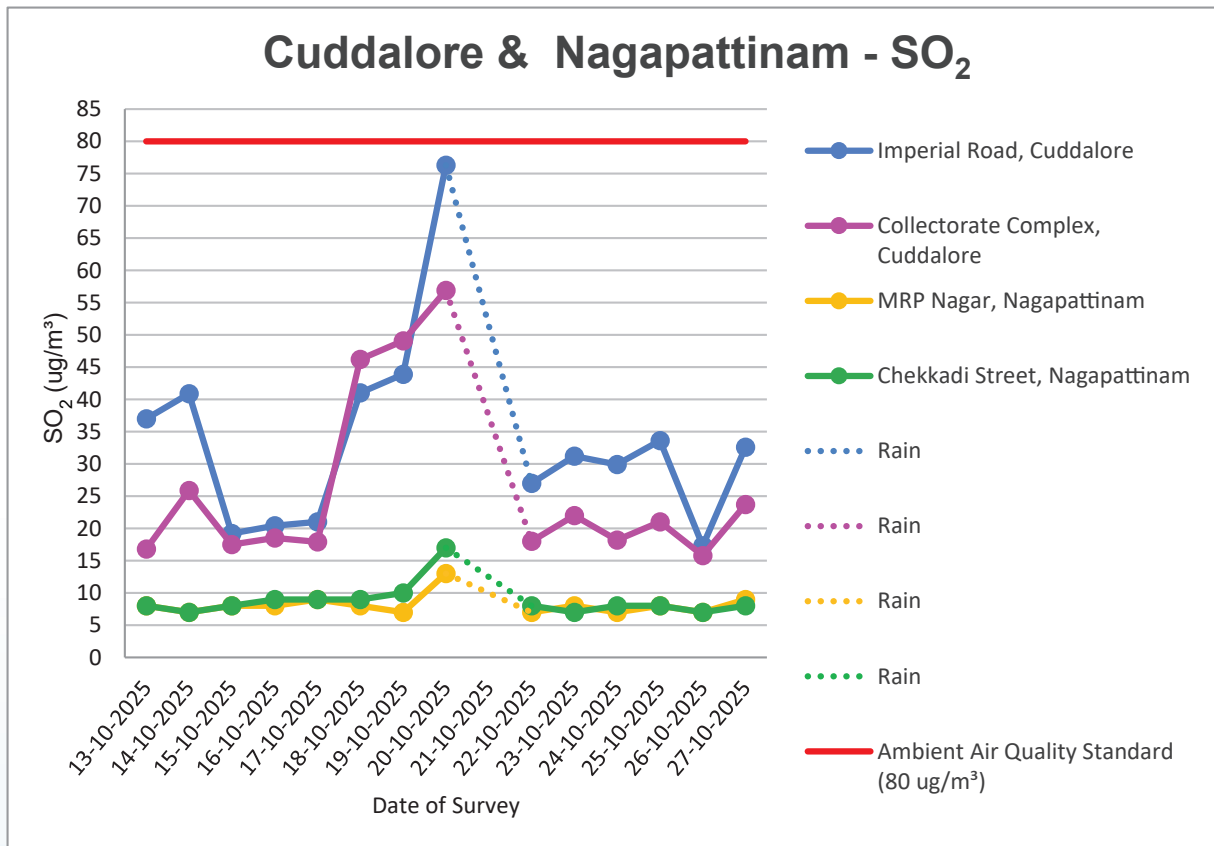
Deepavali Survey - 2025

Trend Graph of Particulate Matter



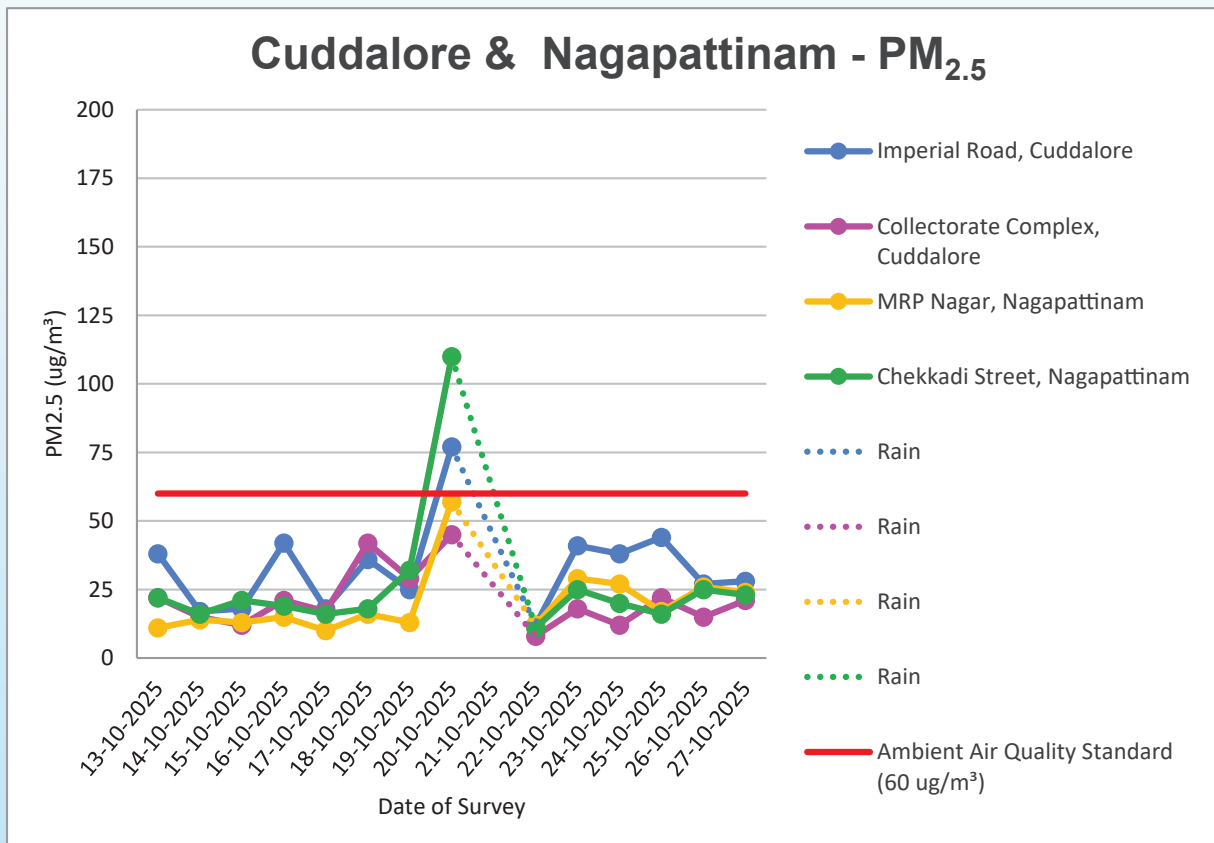
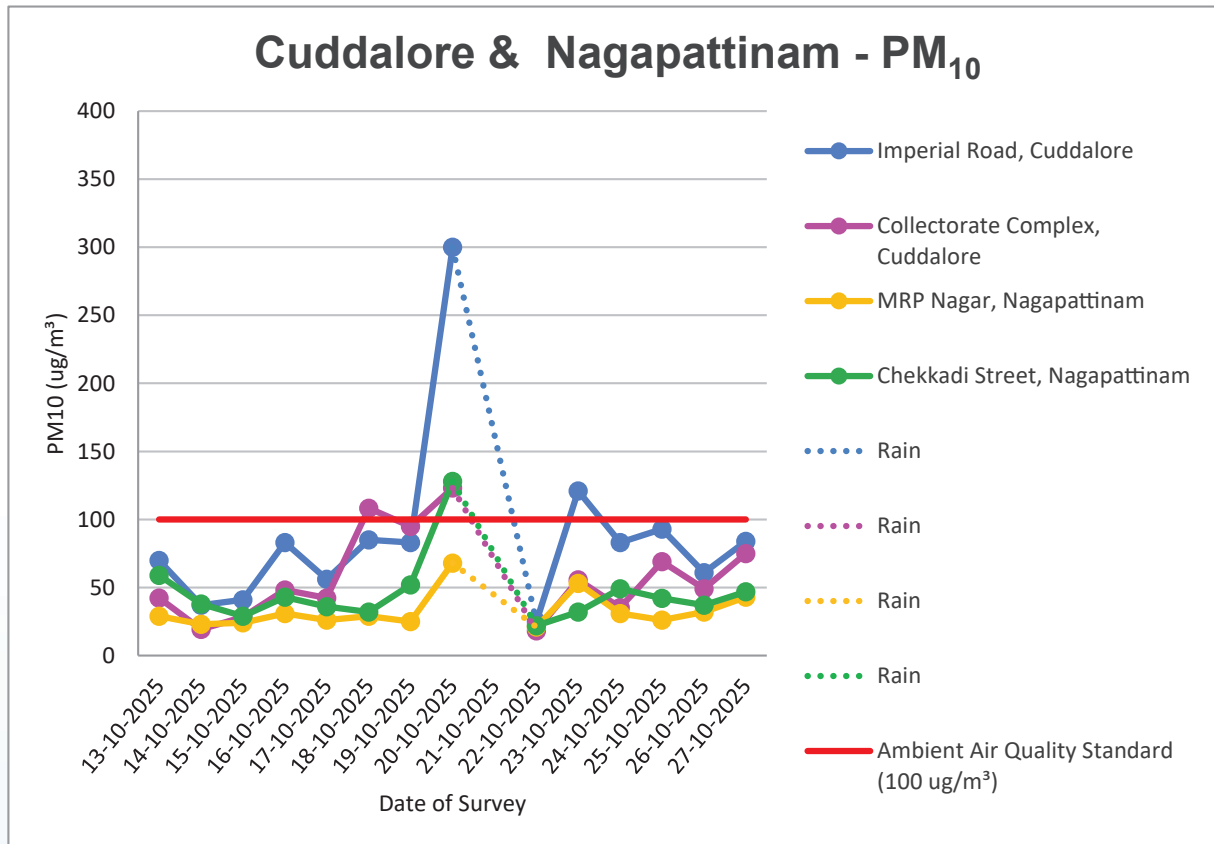
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



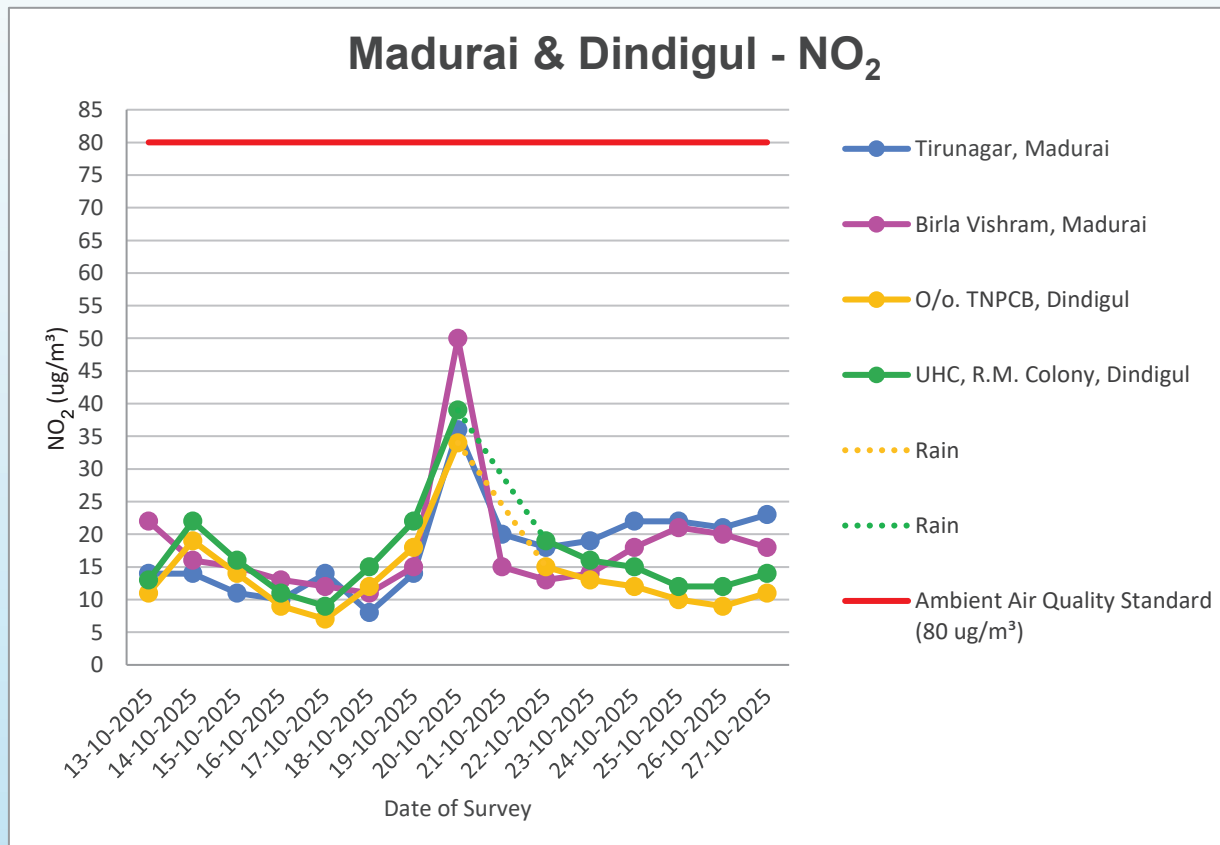
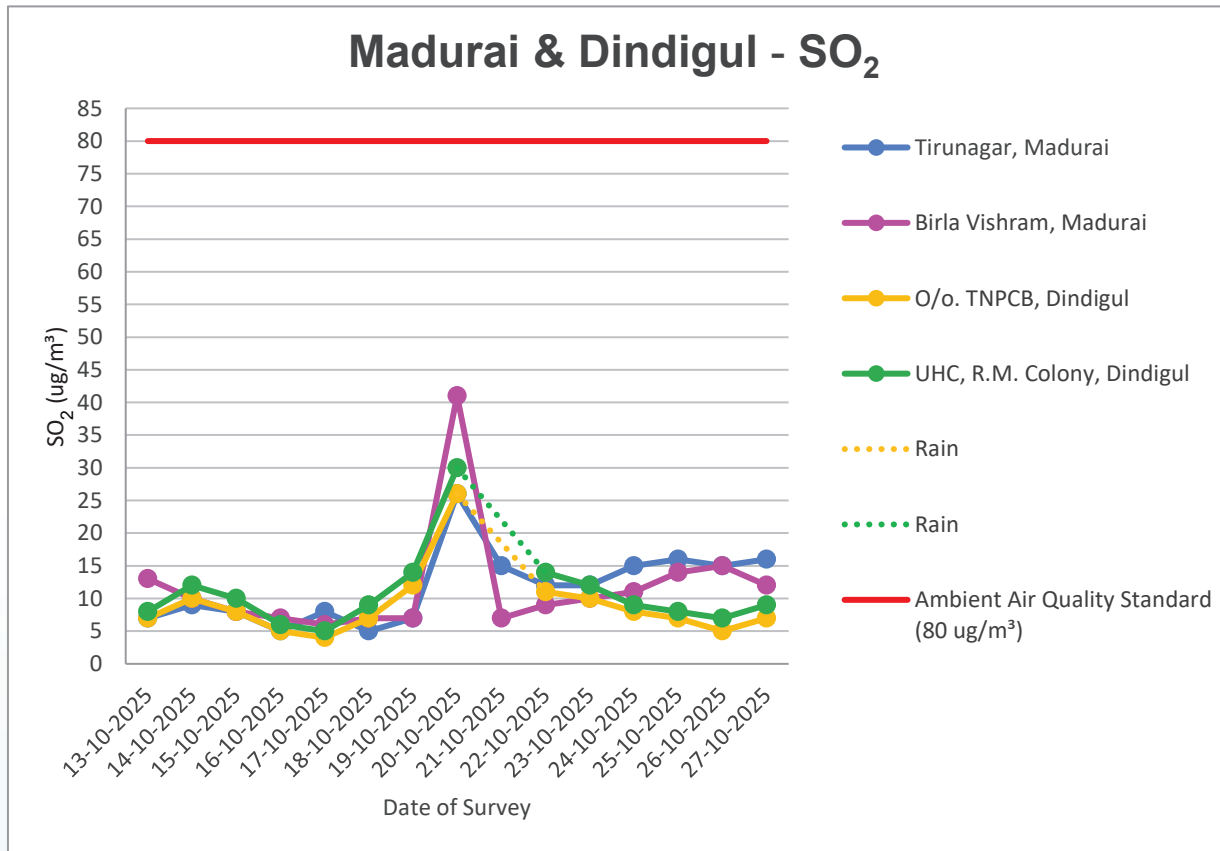
Deepavali Survey - 2025

Trend Graph of Particulate Matter



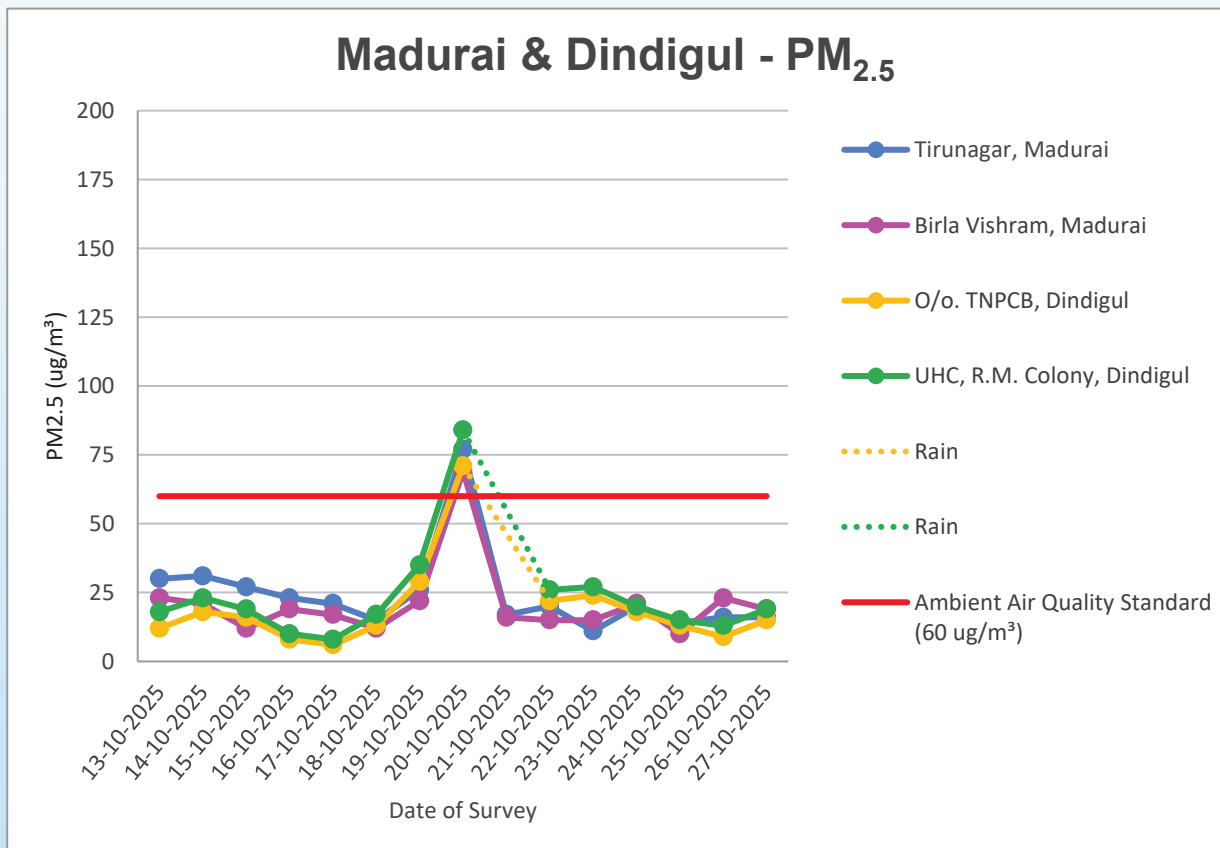
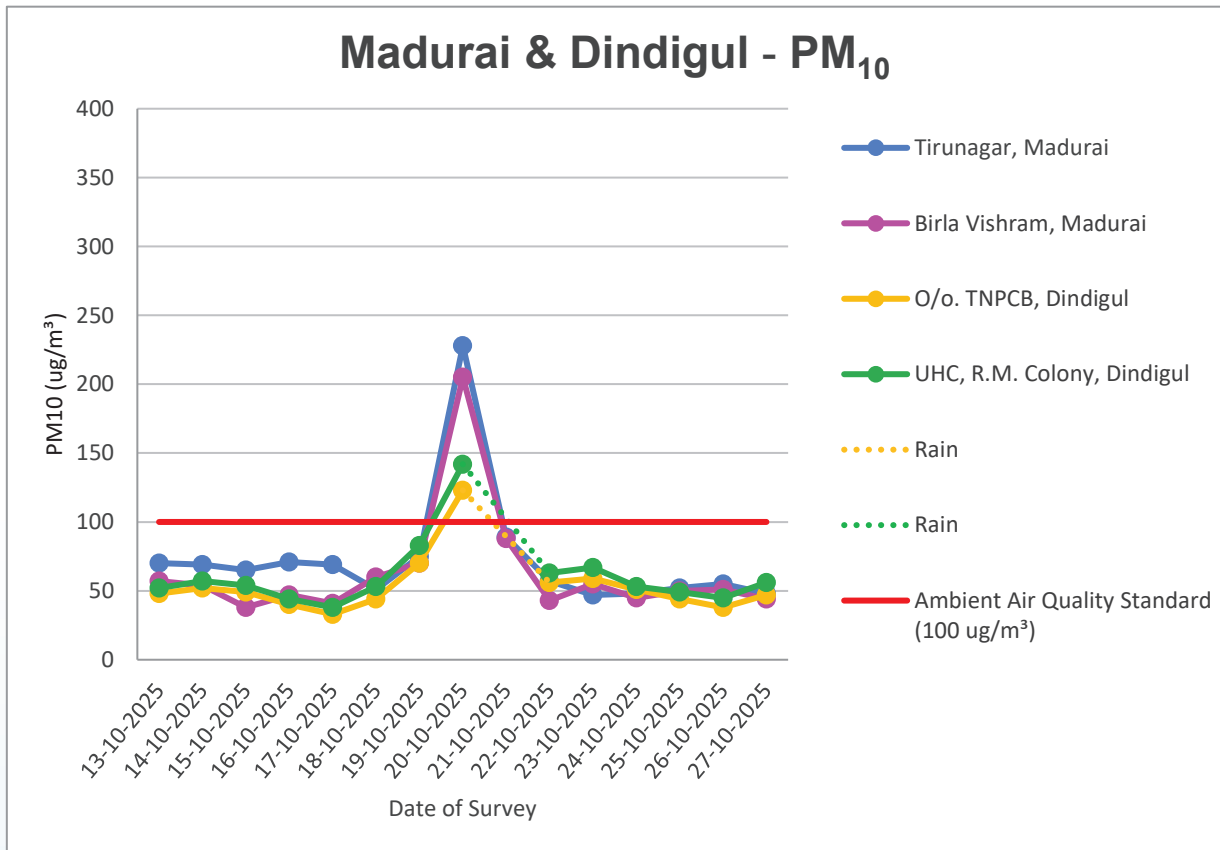
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



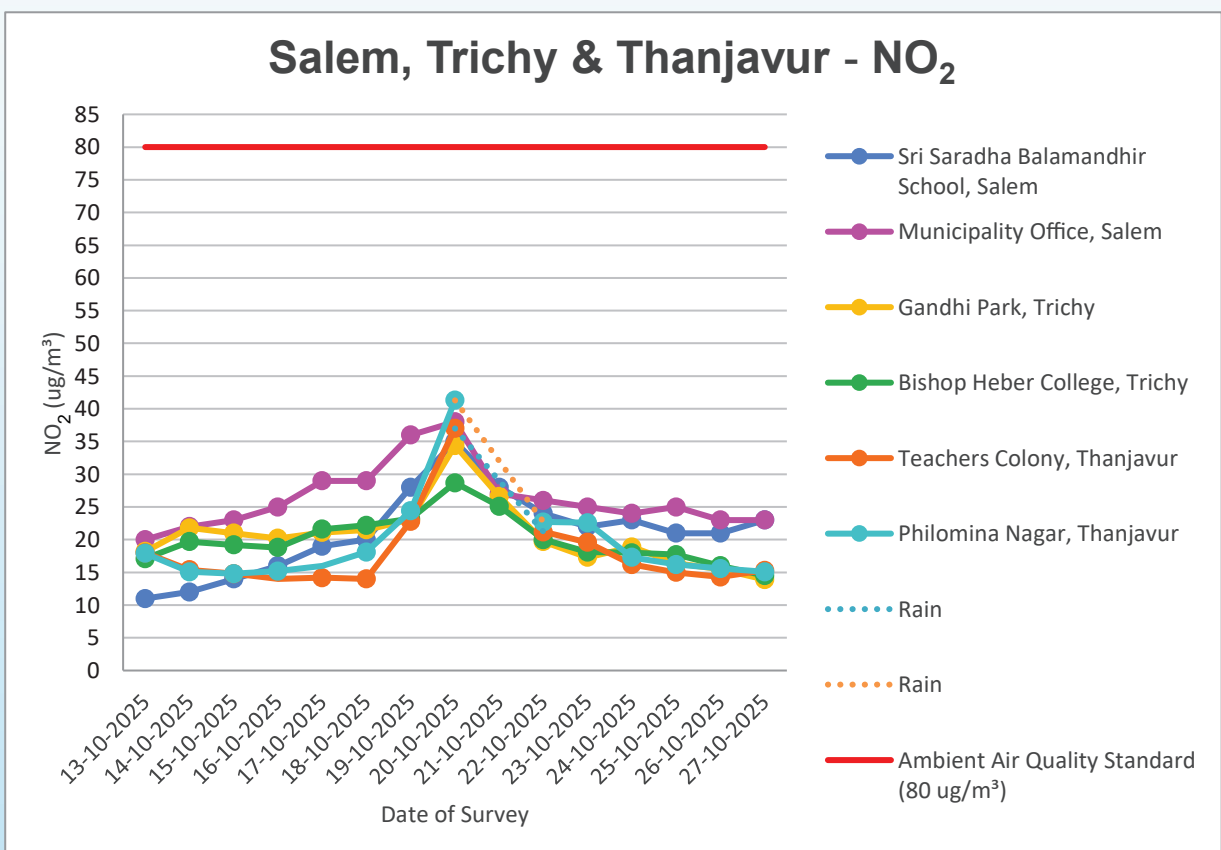
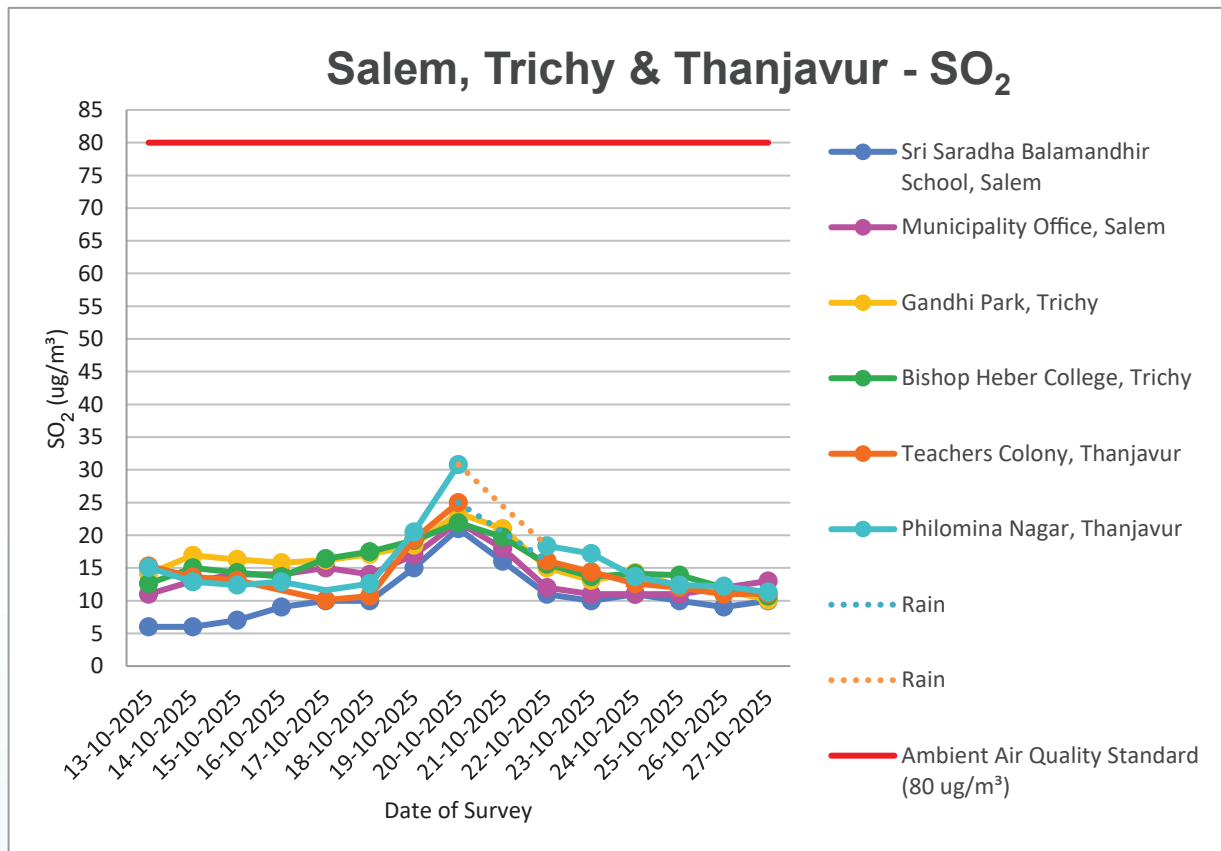
Deepavali Survey - 2025

Trend Graph of Particulate Matter



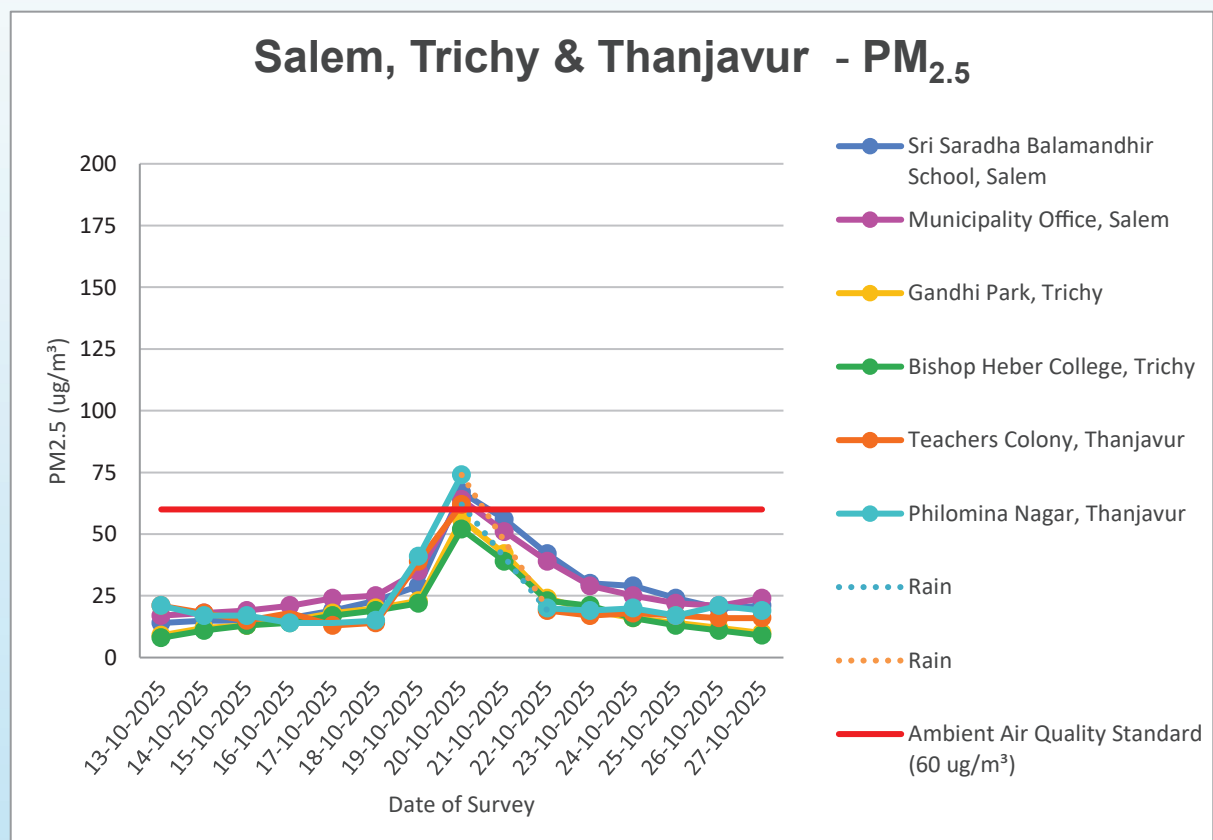
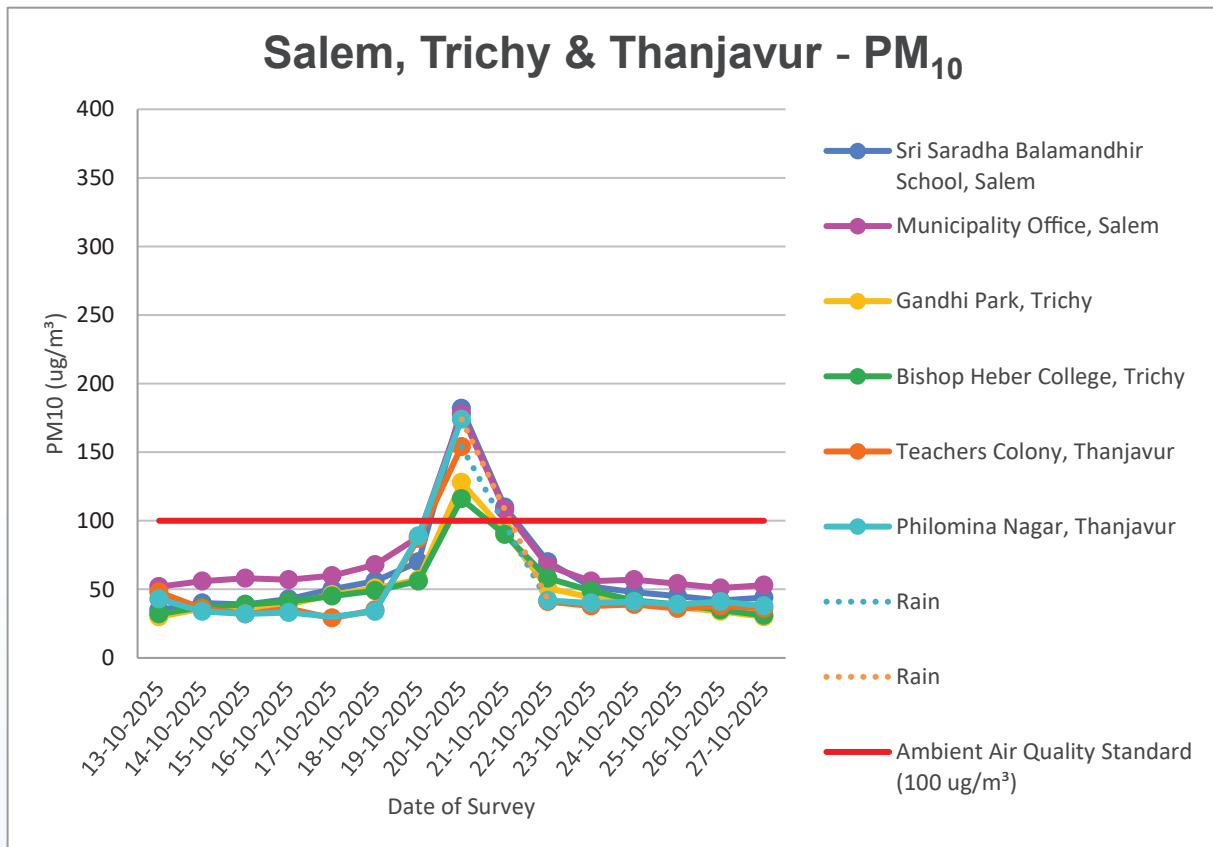
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



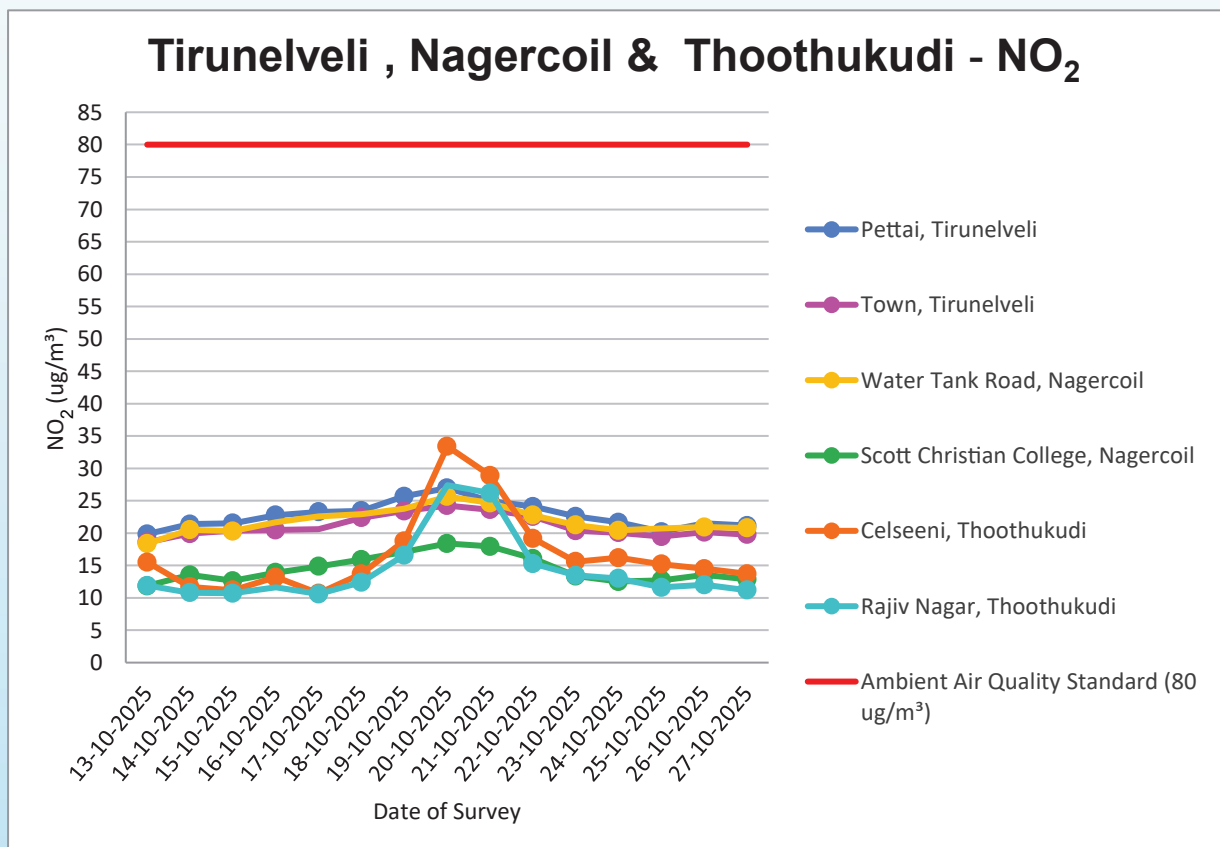
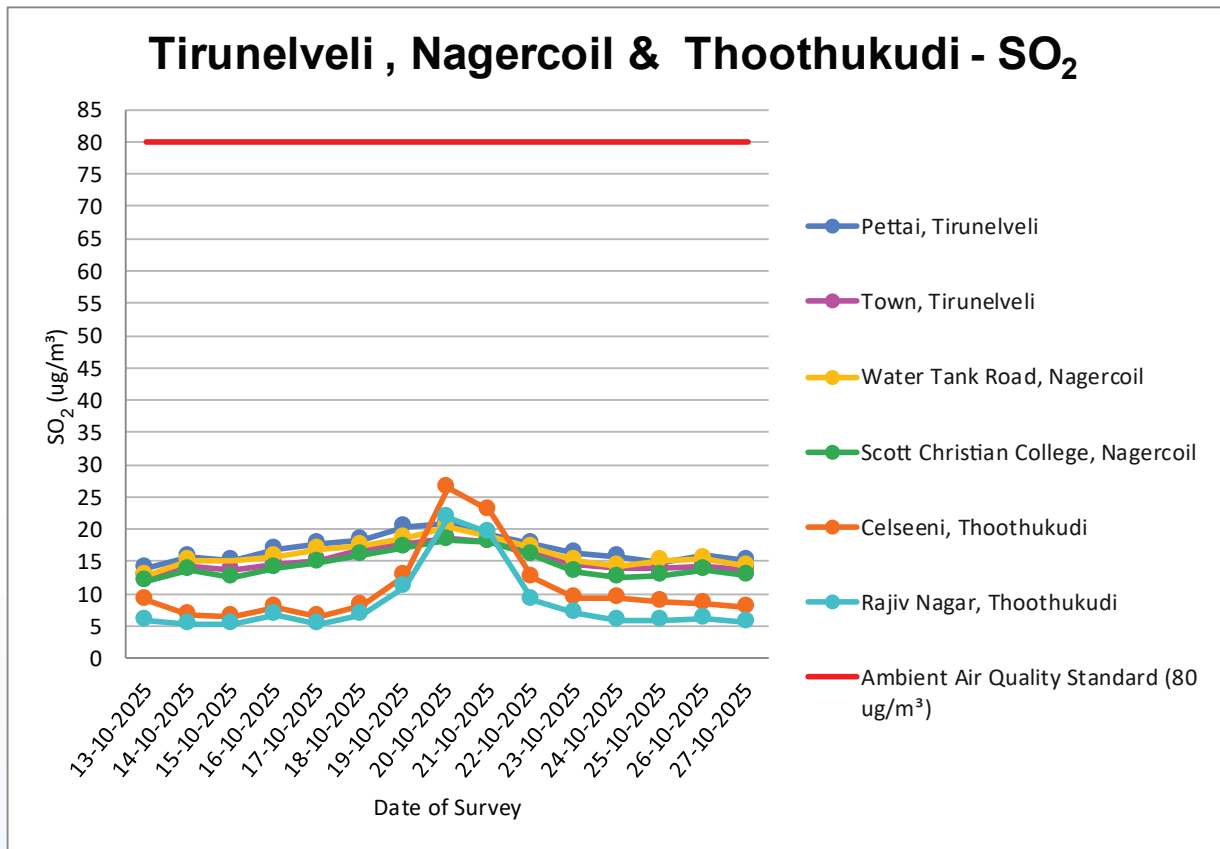
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Trend Graph of Particulate Matter



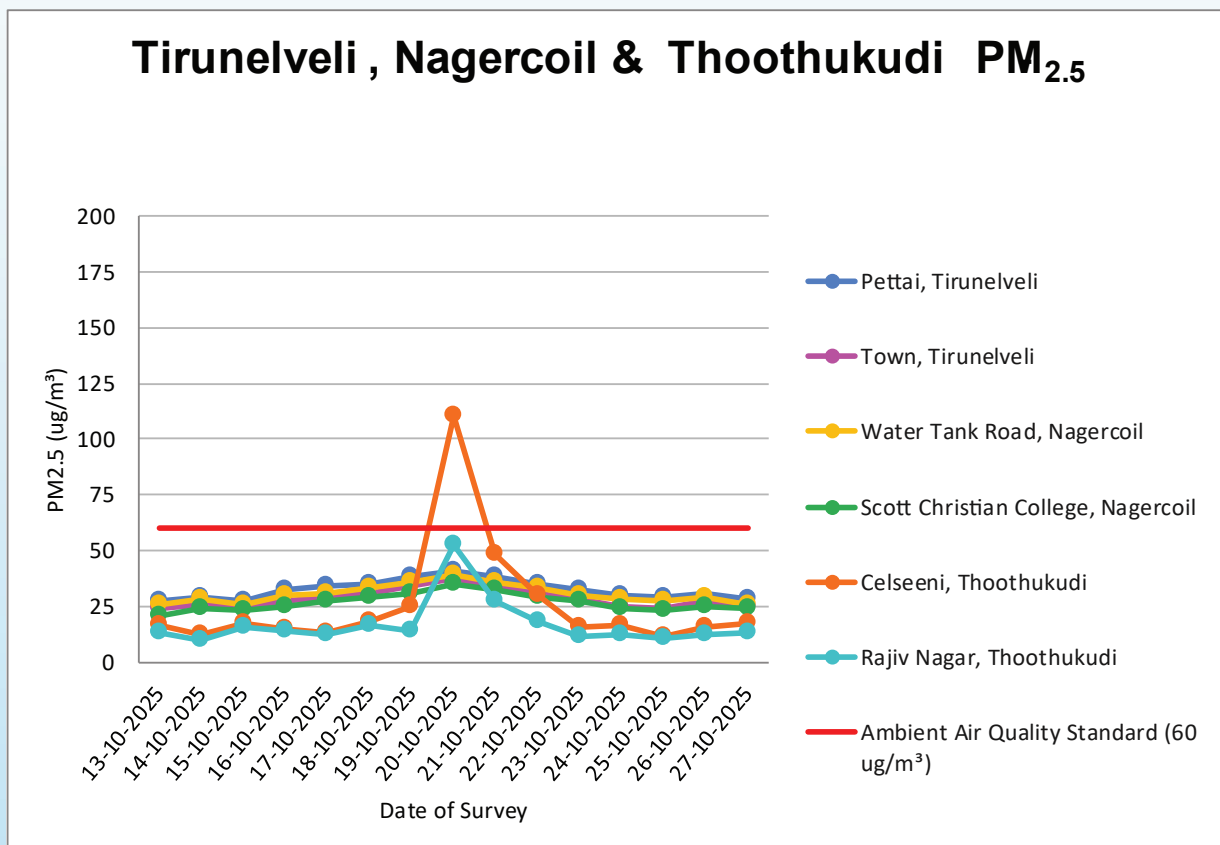
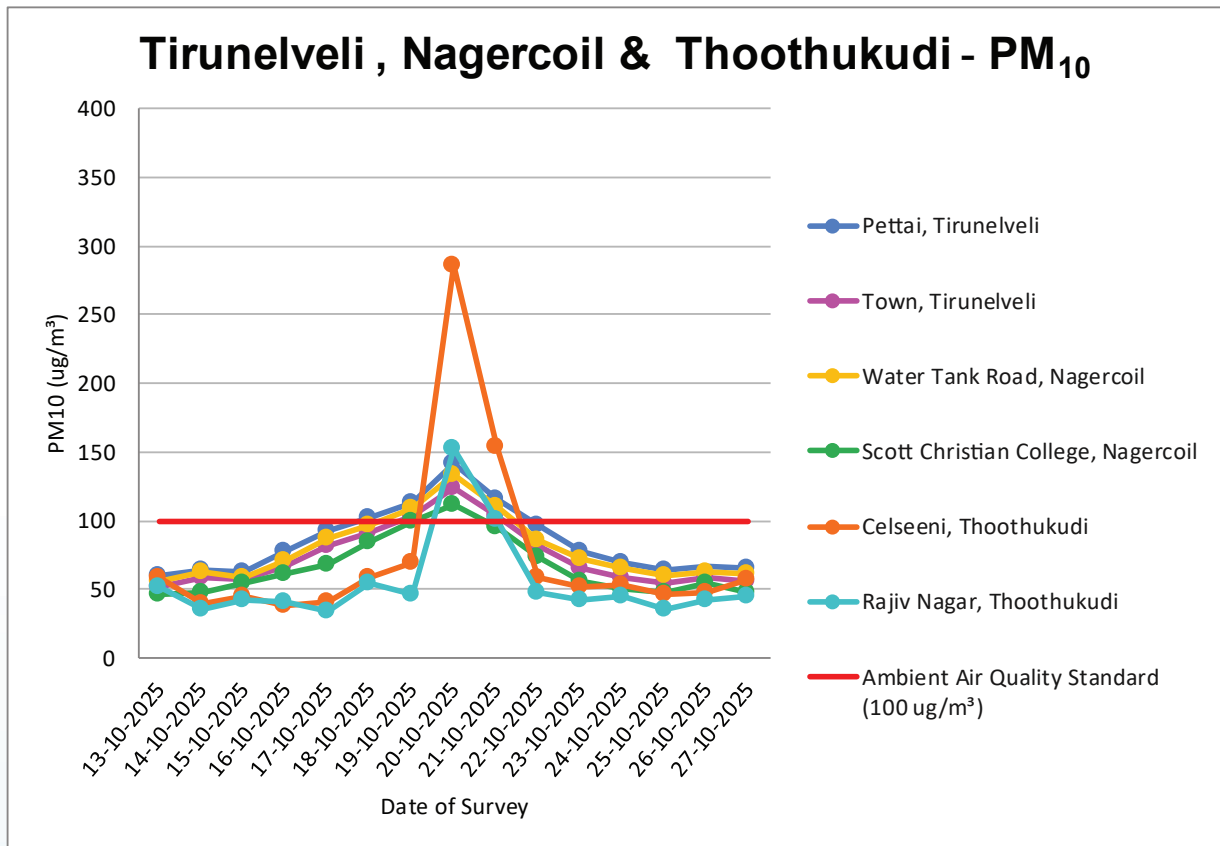
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



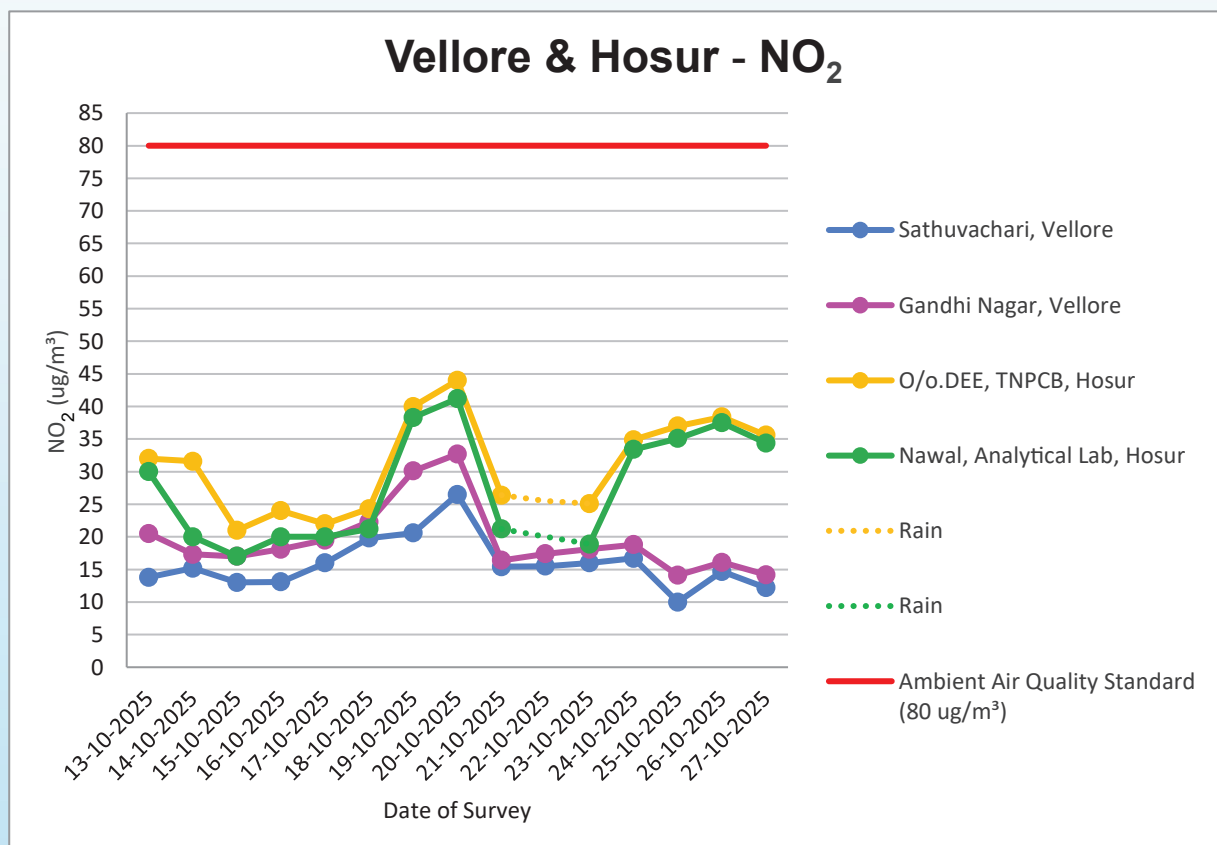
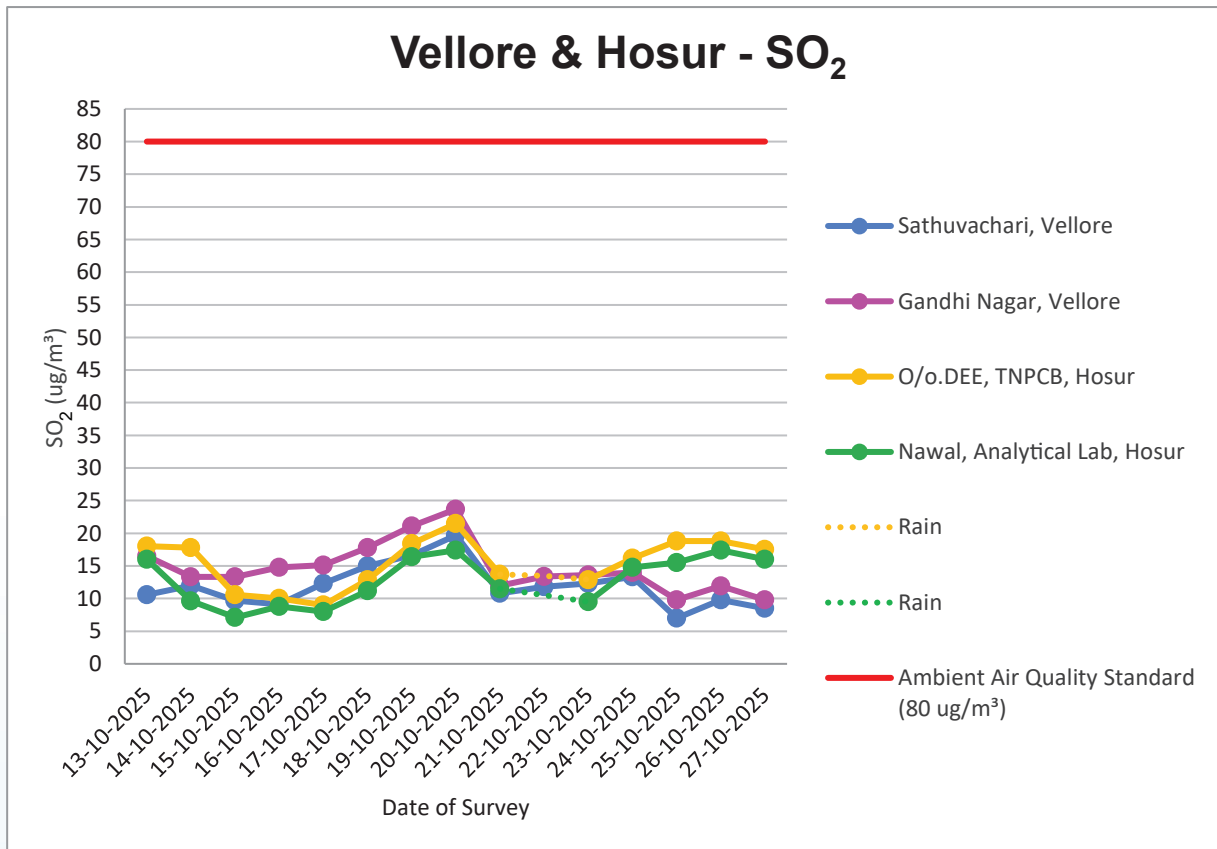
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Trend Graph of Particulate Matter



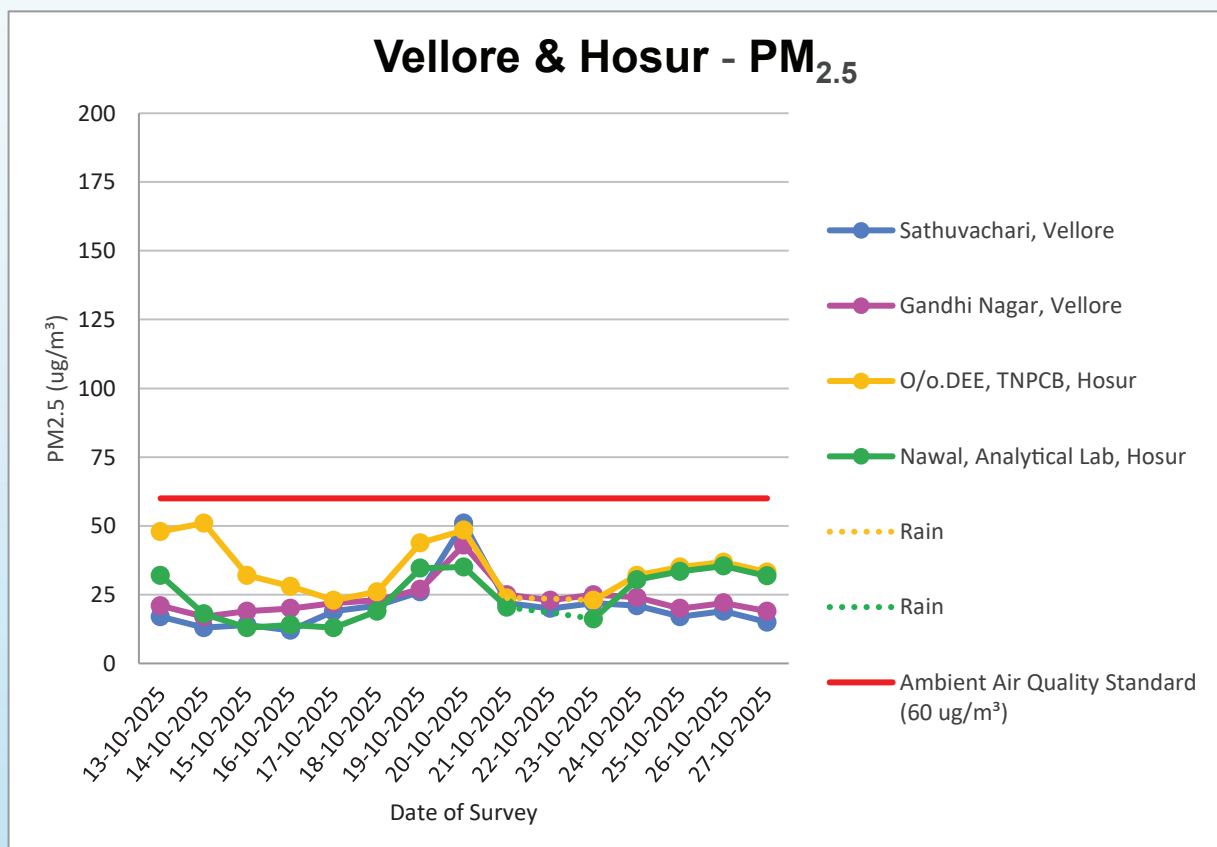
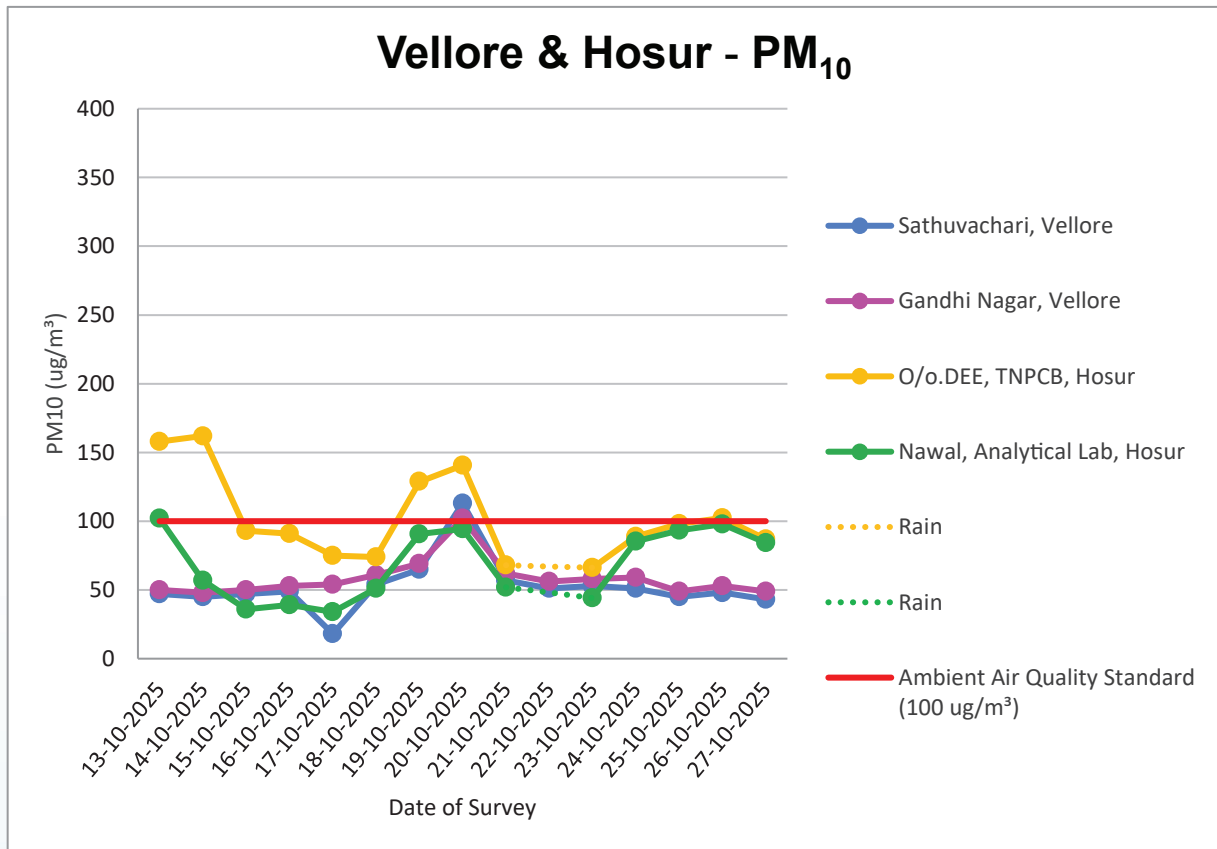
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants



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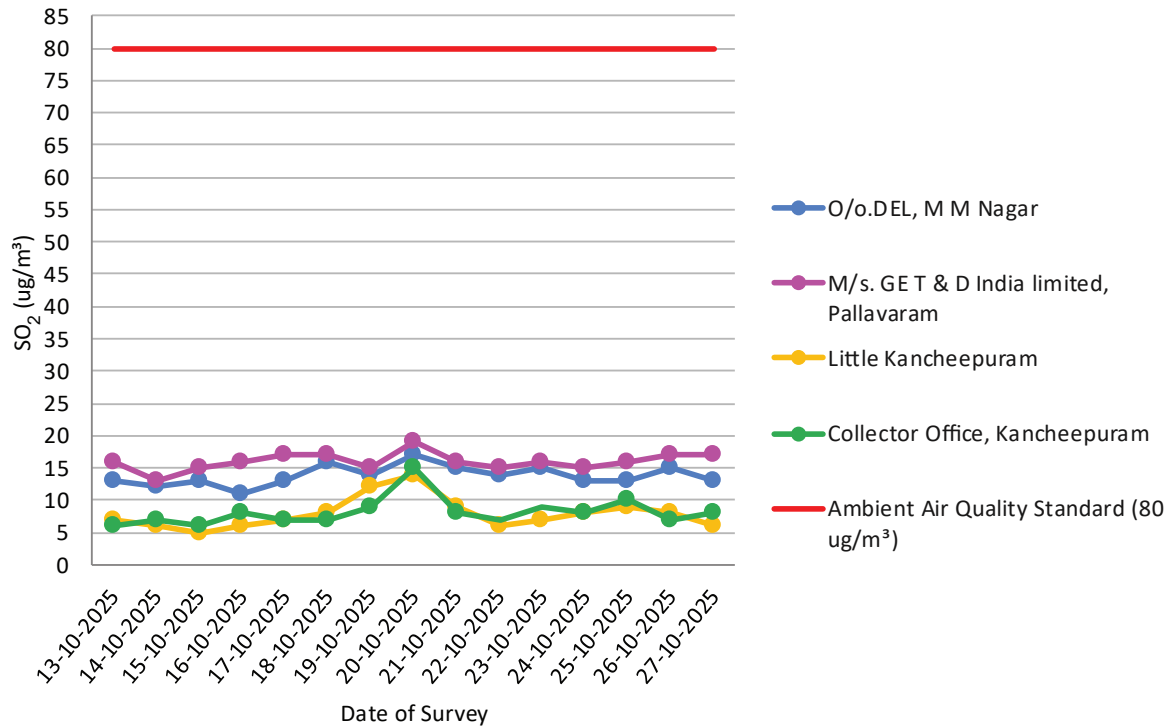
Trend Graph of Particulate Matter



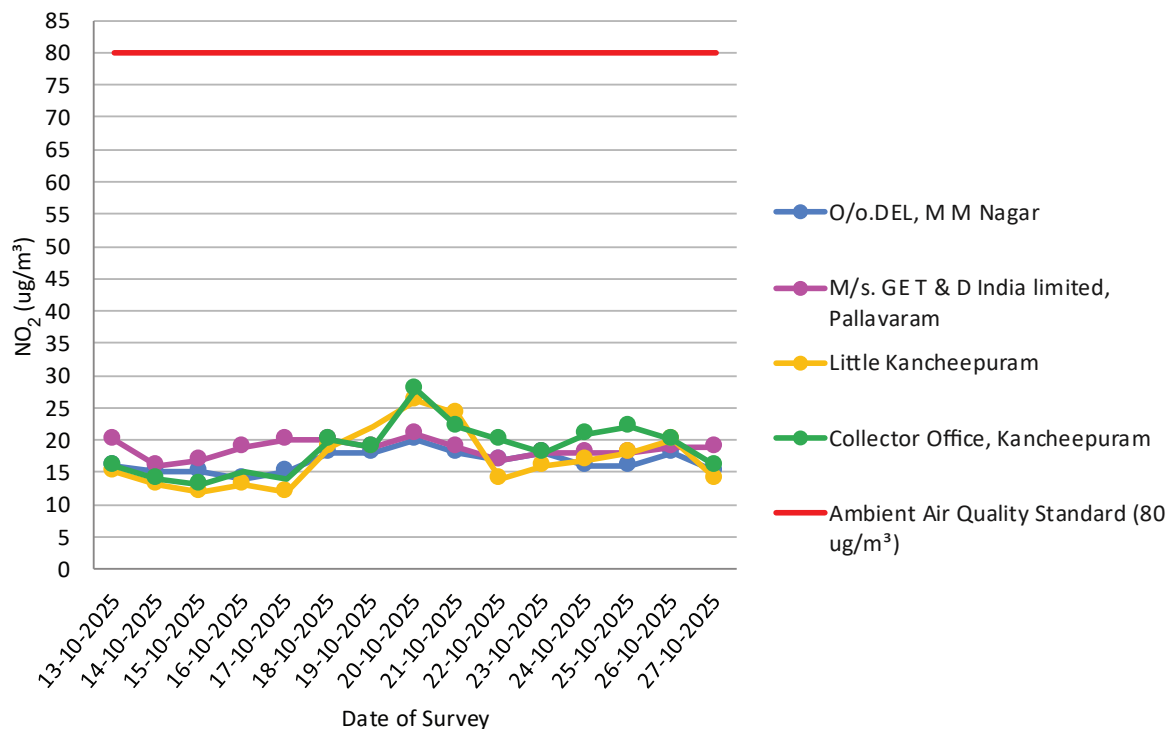
Deepavali Survey - 2025

Trend Graph of Gaseous Pollutants

Chengalpet & Kancheepuram - SO₂

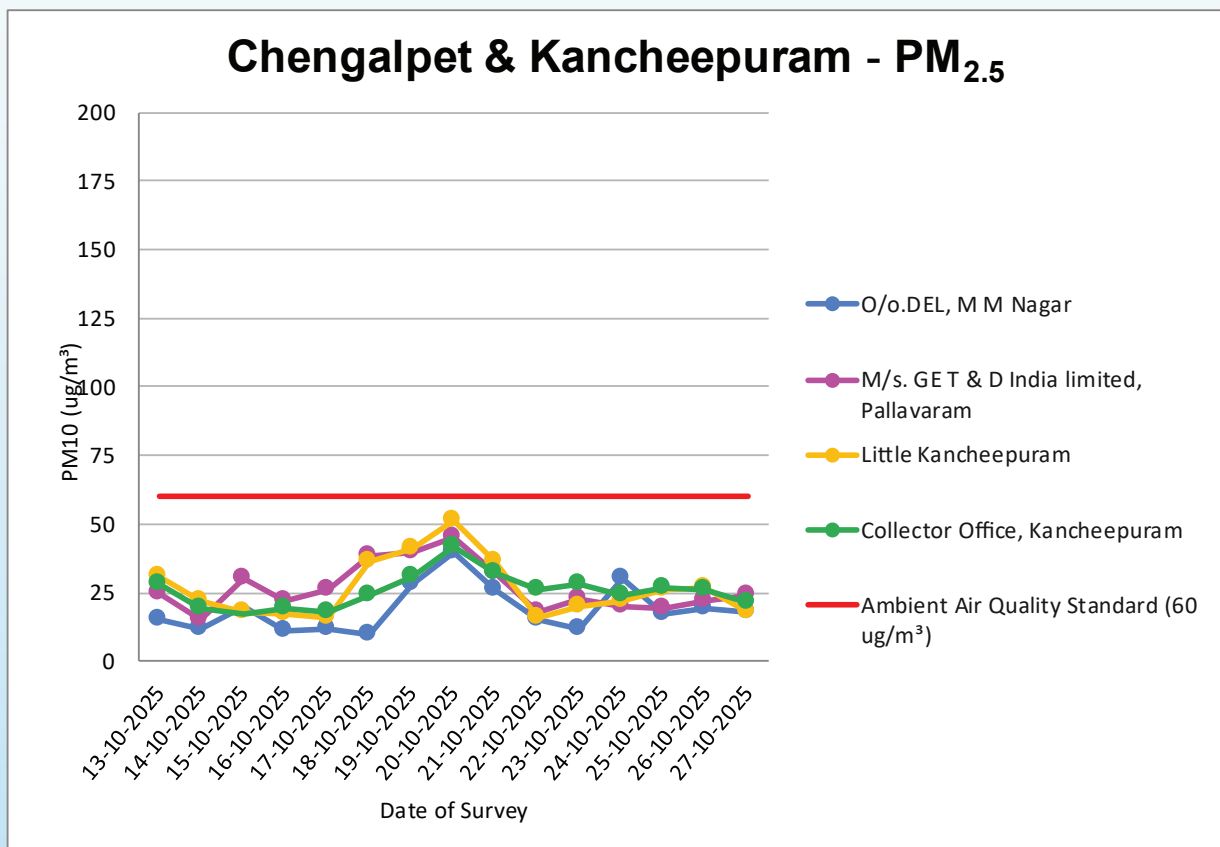
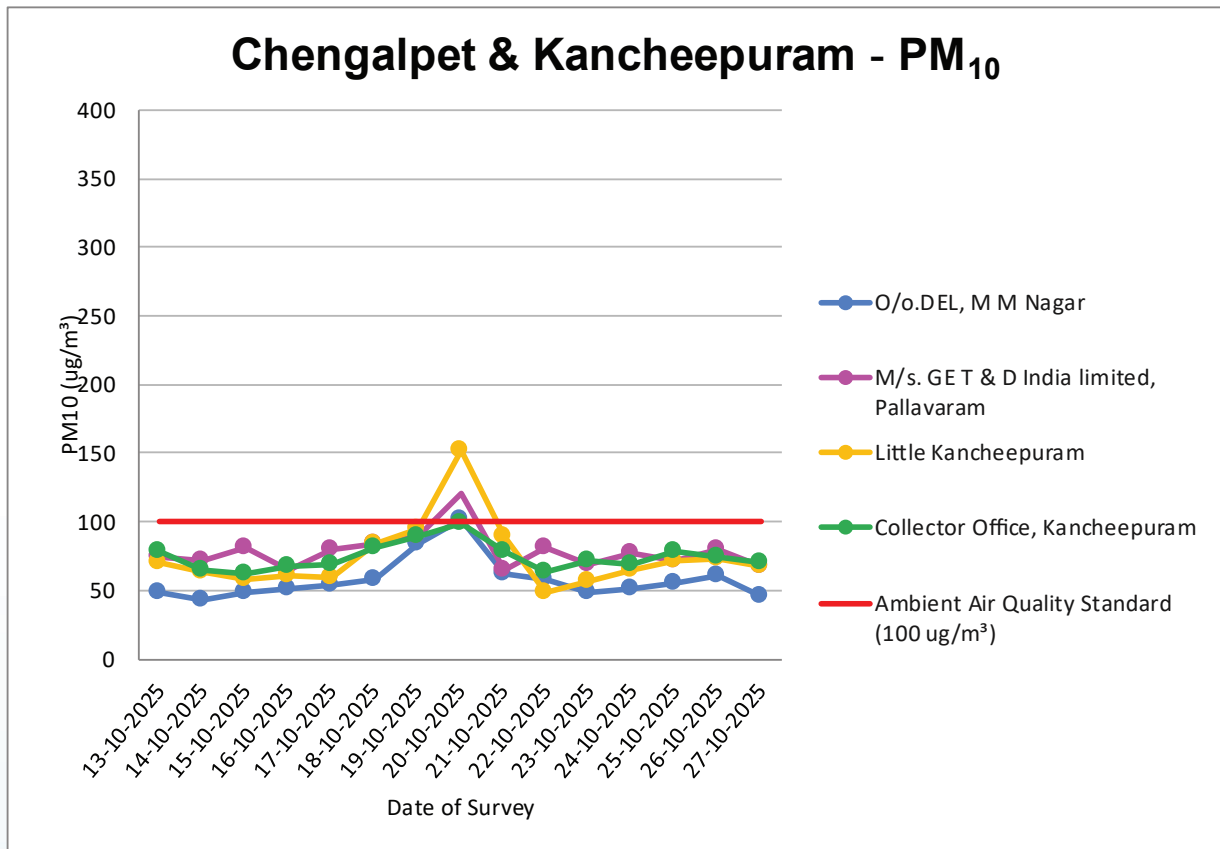


Chengalpet & Kancheepuram - NO₂



Deepavali Survey - 2025

Trend Graph of Particulate Matter



Inference of Deepavali Report – 2025 in the State of Tamil Nadu

In line with the Hon'ble Supreme Court's directions, issued to all the states and all the Union Territories allowing a two-hour window for bursting crackers on Deepavali day, Tamil Nadu government fixed two slots - between 6 a.m. and 7 a.m. and between 7 p.m. and 8 p.m. on Deepavali day (20.10.2025) for bursting crackers.

This year, Deepavali festival was celebrated on 20th of October 2025 (Monday) in Tamil Nadu, and hence as per the CPCB directions, ambient air quality monitoring was carried out for consecutive 15 days commencing from 13.10.2025 to 27.10.2025 and Noise Level (NL) Survey on Pre-Deepavali day (13.10.2025, Monday) and Deepavali day (20.10.2025, Monday).

The inferences drawn from the monitoring of Ambient Noise (Table-I) and Air Quality Monitoring (Table-II) during Deepavali 2025 are as follows:

A. Noise Level Monitoring

To control noise pollution arising out of bursting of firecrackers, as per the Hon'ble Supreme court orders, use of fireworks or firecrackers were permitted only during fixed timings and restricted in silence zones.

Table – I

Sl. No.	City	NLS (06:00 pm to 12:00 am)	
		Pre - Deepavali Day (13.10.2025)	Deepavali Day (20.10.2025)
		Leq dB(A)	Leq dB(A)
1	Chennai	64.1	83.0
2	Chengalpet	62.5	79.3
3	Coimbatore	64.0	73.3
4	Cuddalore	68.4	72.6
5	Dindigul	62.9	75.6
6	Hosur	66.4	78.7
7	Kancheepuram	59.7	72.4
8	Madurai	61.5	82.2

9	Nagapattinam	53.4	76.0
10	Salem	66.1	76.9
11	Tirunelveli	56.3	75.9
12	Nagercoil	50.8	64.8
13	Trichy	54.8	83.0
14	Thanjavur	61.7	81.3
15	Tiruppur	54.9	79.2
16	Thoothukudi	57.8	77.2
17	Vellore	68.0	77.5

Ambient air quality standards for noise level

Category of Area/ Zone	Leq dB(A) Day time (6.00 a.m. to 10.00 p.m.)	Leq dB(A) Night time (10.00 a.m. to 6.00 p.m.)
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Sensitive Zone	50	40

TNPCB carried out noise monitoring in 17 locations during Deepavali, and almost all locations shown increase in decibel levels.

From the above data, it is observed that, the noise level values ranged from 50.8 to 68.4 dB(A) on Pre- Deepavali day and from 64.8 to 83.0 dB(A) on Deepavali day. It is evidently seen that, noise levels recorded at all stations have significantly exceeded the acceptable threshold levels.

During Deepavali, the noise level in Trichy, one of the cities with high noise recordings, was 28 decibels higher than the normal day noise level.

Comparing the data with the previous year*, it can be inferred that the highest noise level has marginally decreased, which could be possibly due to the minimal humidity effect.

**Highest Noise level (Leq) recorded during Deepavali 2024 – 88 dB(A)*

B. Ambient Air Quality Monitoring

Table – I

S. No	Location	Pre Deepavali Days 13.10.2025 to 19.10.2025				Deepavali Day - 20.10.2025					Post Deepavali Days 21.10.2025 to 27.10.2025				
		SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	AQI	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	
I	Chennai city														
1	Besant Nagar (R)	10	19	58	21	20	31	154	87	190	M	9	18	55	18
2	T.Nagar (C)	12	24	74	27	23	34	236	112	273	P	11	19	66	21
3	Nungambakkam (R)	11	21	65	22	26	38	282	154	326	VP	10	18	63	19
4	Triplicane (R)	11	19	64	23	20	36	214	98	227	P	9	17	57	18
5	Sowcarpet (C)	13	25	71	27	22	33	267	108	260	P	10	19	62	20
6	Valasaravakkam (R)	15	26	78	27	30	40	323	162	332	VP	11	20	65	21
7	Tiruvottiyur (C)	13	23	61	23	18	29	158	92	207	P	9	17	56	17
	Major towns														
II	Chengalpet														
8	O/o DEL, TNPCB (C)	13	16	55	15	17	20	101	40	101	M	14	17	54	20
9	M/s. GE T & D India Limited (C)	16	19	78	28	19	21	120	45	113	M	16	18	73	23
III	Coimbatore														
10	Kavundampalayam (R)	9	18	42	22	24	39	146	74	147	M	12	21	52	28
11	District Collectorate (C)	12	21	52	25	21	37	143	78	160	M	12	22	54	30
IV	Cuddalore														
12	Imperial Road (C)	32	38	65	28	76	57	300	77	250	P	29	34	78	32
13	Collectorate Building (R)	27	30	55	23	57	49	123	45	115	M	20	26	50	16
V	Dindigul														
14	O/o. TNPCB, Collector office complex (R)	8	13	48	15	26	34	123	71	137	M	8	12	49	17
15	Urban Health Centre (C)	9	15	54	19	30	39	142	84	180	M	10	15	56	20

S. No	Location	Pre Deepavali Days 13.10.2025 to 19.10.2025				Deepavali Day - 20.10.2025					Post Deepavali Days 21.10.2025 to 27.10.2025				
		SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	AQI	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	
VI	Hosur														
16	O/o. DEE, TNPCB (R)	14	28	112	36	22	44	141	48	127	M	16	33	85	31
17	Nawal Analytical Lab Pvt. Ltd. (C)	11	24	59	21	17	41	94	35	94	SF	14	30	76	28
VII	Kancheepuram														
18	Little kancheepuram (R)	7	15	70	26	14	26	152	51	135	M	8	18	67	24
19	Collector Office (C)	7	16	73	22	15	28	99	42	99	SF	8	20	72	26
	Madurai														
20	Thirunagar (R)	7	12	67	25	26	36	228	77	185	M	14	21	56	16
21	Birla Visram (C)	8	15	52	18	41	50	205	69	170	M	11	17	49	17
IX	Nagapattinam														
22	MRP Nagar (R)	8	13	27	13	13	18	68	57	95	SF	8	13	34	23
23	Chekkadi Street (R)	9	14	41	21	17	21	128	110	267	P	8	13	38	20
X	Salem														
24	Sri Saradha Balamandhir School (R)	9	17	48	19	21	35	182	67	155	M	11	23	59	32
25	Municipality Office (C)	14	26	63	23	22	38	178	64	152	M	13	25	64	30
XI	Tirunelveli														
26	Pettai (I)	17	23	81	32	21	27	142	41	128	M	16	22	79	32
27	Tirunelveli Town (C)	15	21	73	28	19	24	124	37	116	M	15	21	68	28
XII	Tirunelveli - Nagercoil														
28	Water Tank Road (C)	16	21	77	30	20	26	134	39	123	M	16	22	74	30
29	Scott Christian College (R)	14	20	66	26	18	24	112	35	108	M	14	20	61	26
XIII	Trichy														
30	Gandhi Park (C)	16	21	42	16	23	34	128	56	119	M	14	18	47	20
31	Bishop Heber College (R)	16	20	43	15	22	29	116	52	111	M	14	18	49	19

S. No	Location	Pre Deepavali Days 13.10.2025 to 19.10.2025				Deepavali Day - 20.10.2025					Post Deepavali Days 21.10.2025 to 27.10.2025				
		SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	AQI	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	
XIV	Trichy - Thanjavur														
32	Teachers colony (C)	13	16	43	20	25	37	154	62	136	M	13	17	38	17
33	Philomina Nagar (R)	14	17	42	20	31	41	174	74	149	M	14	18	40	19
XV	Tiruppur														
34	Kumaran Complex (C)	12	22	56	30	19	30	69	37	69	SF	10	21	44	22
35	Rayapuram (R)	8	17	41	19	21	37	116	71	137	M	9	19	42	21
XVI	Thoothukudi														
36	Celseeni Colony (R)	8	14	50	17	26	33	286	110	268	P	11	18	67	22
37	Rajiv Nagar (R)	7	12	44	14	22	27	152	52	135	M	8	15	51	15
XVII	Vellore														
38	Sathuvachari (R)	12	16	51	17	20	27	113	51	109	M	11	14	50	19
39	Gandhi Nagar (C)	16	21	55	21	24	33	102	43	101	M	12	16	55	23
	NAAQ Standards (24 Hours)	80	80	100	60	80	80	100	60	-		80	80	100	60

All values are in µg/m³ (24 hrs average)

Note: 0-50-Good (G), 51-100 -- Satisfactory (S), 101-200 -- Moderate (M), 201-300 -- Poor (P), 301-400 -- Very Poor (VP) and 401-500 -- Severe.

On Deepavali day (13.10.2025), the Air Quality Index (AQI) of the 39 locations revealed that, except for 4 stations that fall under Satisfactory (SF) category (AQI – 51 to 100), 26 stations that fall under Moderate (M) category (AQI – 101-200) and 7 locations fall under Poor (P) category (AQI – 201- 300), remaining 2 locations fall under Very Poor (VP) category.

The air quality has declined this year compared to last year#, indicating a rise in pollution levels. The combination of humid weather and pollutants from firecrackers on Deepavali day led to increased smoke and deteriorated air quality, resulting in higher AQI levels compared to the previous year.

However, the intense precipitation on the subsequent day effectively eliminated pollutants, resulting in a significant improvement of air quality in numerous cities, as reflected by the improved Air Quality Index (AQI) data recorded in the post-Deepavali period

(# Highest Value of AQI recorded during Deepavali 2024 was 287)

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Special Thanks to

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District Environmental Laboratories, TNPCB
(DEL - Ambattur, Dindigul, Hosur, Maraimalai Nagar, Tiruppur, Thoothukudi,
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