



# 16<sup>TH</sup> EST COUNTRY PRESENTATION

## SRI LANKA



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## 1. **REGULATIONS AND POLICIES - TRANSPORT AND RELEVANT NATIONAL POLICIES**

**Strategies for Implementing AI CHI Targets in SL-Year 2 (2024):**

**Goal 1C-Air Pollution Control** - Implementation and Monitoring of of Clean Air 2025

**Goal 3 – Economic sustainability (transport infrastructure);**

**Goal 5 – Urban access**

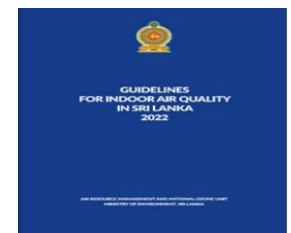
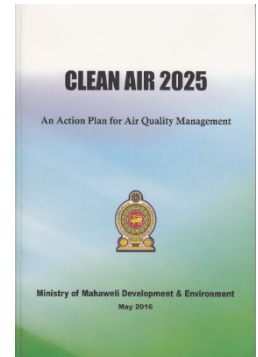
**❑ Prioritization of public transportation and Railway**

# **SUSTAINABLE TRANSPORT POLICY DOCUMENTS**

- 1) National Policy on Transport**
- 2) Sustainable Sri Lanka 2030 Vision**
- 3) National Road Master Plan (2021-2030)**
- 4) Climate Prosperity Plan**
- 5) Nationally Determined Contributions (NDCs) and Implementation**
- 6) National Physical Planning Policy**
- 7) Carbon Net zero 2050 Roadmap and Strategic Plan**
- 8) Green Growth Strategy/ Sri Lanka Country planning framework  
2021-2025**

# IMPLEMENTATION AND MONITORING OF CLEAN AIR 2025

- ***Regulations imposed Under the National Environmental Act for air quality management in the country***
- National Environmental Act 1981, amended in 2000,2008 is providing wider powers for enforcements
  
- ❑ A sound institutional framework for integrated AQM, while fostering advocacy, governance and stakeholder participation.
- ❑ Manage air pollution from mobile sources
- ❑ Manage air pollution from stationery sources
- ❑ Indoor air quality management
- ❑ Air Quality Monitoring in Sri Lanka
- ❑ International cooperation projects on air pollution in Sri Lanka.
- ❑ Awareness, Education, Information, and Knowledge Management for Air Quality



# 5. AIR QUALITY MONITORING IN SRI LANKA

Central Environmental Authority (CEA) monitors the ambient air quality in collaboration with National Building Research Organization (NBRO) and some universities using automated real time continuous monitoring equipment through out the country.

➤ Country's air quality stays mostly within the national ambient air quality standards exceeds mainly in December to March due to trans boundary phenomena.

➤ CEA and NBRO jointly initiated to Develop the National Platform for Integration & Dissemination of Air Quality Monitoring and Data Management System through VET funding.

Two Fully Automated Ambient Air Quality Monitoring Stations (AAQMS) Funded by VET Fund

- (Real time online sampling of all criteria pollutants-PM 2.5, PM 10, Ozone, Sox, Nox, CO)
  - Battaramulla
  - Kandy

Mobile and stationary Ambient Air Quality Equipment operated by NBRO in CMC funded by VET Fund



Battaramulla Station

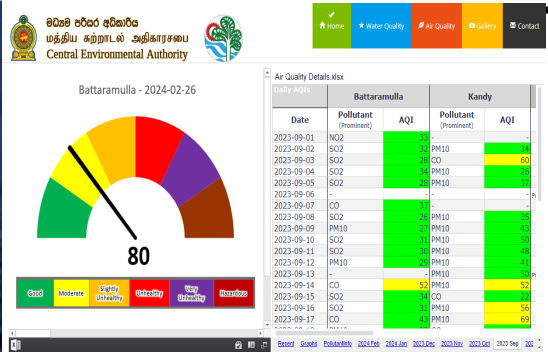


Kandy Station



Mobile Station at CMC





Read More  
Ambient Air Quality Monitoring Station at Battaramulla and Kandy are funded by the Vehicular Emission Test Trust Fund  
<http://vet.lk>

Category	Color	Index	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (ppb)	CO (ppb)	NO <sub>2</sub> (ppb)	SO <sub>2</sub> (ppb)
Good	Green	0 - 50	0 - 25	0 - 50	0 - 50	0 - 2,250	0 - 65	0 - 15
Moderate	Yellow	51 - 100	25 - 50	50 - 100	50 - 100	2,250 - 4,500	65 - 130	15 - 30
Slightly Unhealthy	Orange	101 - 150	50 - 75	100 - 150	100 - 200	4,500 - 9,000	130 - 350	30 - 80
Unhealthy	Red	151 - 200	75 - 150	150 - 275	200 - 300	9,000 - 15,000	350 - 650	80 - 250
Very Unhealthy	Purple	201 - 300	150 - 250	275 - 450	300 - 400	15,000 - 30,000	650 - 1,250	250 - 600
Hazardous	Maroon	301 - 500	250 - 400	450 - 650	400 - 600	30,000 - 50,000	1,250 - 2,000	600 - 1,000

AQI Color	Level of Concern	Index
Green	Good	0 - 50
Yellow	Moderate	51 - 100
Orange	Slightly Unhealthy	101 - 150
Red	Unhealthy	151 - 200
Purple	Very Unhealthy	201 - 300
Maroon	Hazardous	301 - 500

## Ambient Air Quality Status in Major Urban Areas in Sri Lanka 18/10/2024

### Air Quality Index (AQI) for Sri Lanka


0 - 50	51 - 100	101 - 150	151 - 200	201 - 300	301 - 500
Good	Moderate	Slightly Unhealthy	Unhealthy	Very Unhealthy	Hazardous

LOCATION	PAST 24 HRS		PREDICTED FOR NEXT 24 HRS	
	Particulate Matter Level (PM <sub>2.5</sub> ) µg/m <sup>3</sup>	SRI LANKA AIR QUALITY INDEX (SL AQI)	Particulate Matter Level (PM <sub>2.5</sub> ) µg/m <sup>3</sup>	SRI LANKA AIR QUALITY INDEX (SL AQI)
Colombo 07 (MET Department)	21	42	22	42 - 48
Jaffna (MET Department)	20	40	21	40 - 46
Kurunegala (PEA)	24	48	23	42 - 48
Vavuniya (MET Department)	18	36	17	30 - 36
Kandy (Railway Station)	25	50	23	48 - 54
Kegalle (Post Office)	22	44	21	39 - 46
Galle (Karapitiya)	27	54	26	52 - 58
Nuwara Eliya (Magasthota)	15	30	14	26 - 32
Rathnapura (Gatagama)	21	42	22	42 - 50
Embilipitiya (Post Office)	20	40	21	40 - 48
Puttalam (MET Department)	21	42	22	40 - 46
Badulla (District Secretariat)	28	56	29	60 - 66
Trincomalee (MET Department)	18	36	19	32 - 38
Mullaitivu (MET Department)	17	34	18	30 - 38
Batticaloa (MET Department)	21	42	20	36 - 40
Kalutara (Post Office)	20	40	21	38 - 44
Hambantota (Post Office)	18	36	19	36 - 40
Polonnaruwa (MET Department)	20	40	21	40 - 46
Anuradhapura (MET Department)	22	44	23	44 - 50
Monaragala (MET Department)	24	49	25	50 - 56

- During yesterday, SL AQI was good level in most urban areas while moderate level in few cities such as Kandy, Galle and Badulla.
- It is forecasted that AQI level will be between 26-66 indicating moderate condition at Kandy, Galle, Badulla, Monaragala and good level in other cities.
- The maximum AQI level will be from 8.00 - 9.00 am and 2.00 - 3.00 pm.
- Comparatively, SL AQI within next 24 hrs will be good at most of the cities in the country.


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Tel : 011 3100152 / 0760200300  
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Facebook : Vehicle Emission Testing Programme



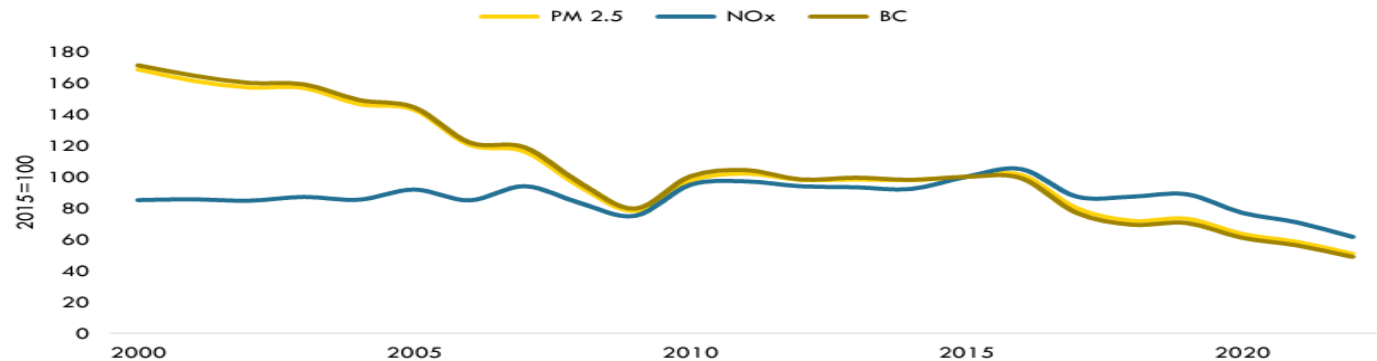
CEA – Air Quality Monitoring  
Website (Under Construction)

## Goal 1c – Air pollution:

By 2030, reduce air pollution and contamination caused by traffic, including PM2.5, other air pollutants and noise. (Based on SDG 3.9, 11.6).

### Transport air pollutant emissions

#### Growth of road transport air pollutant emissions



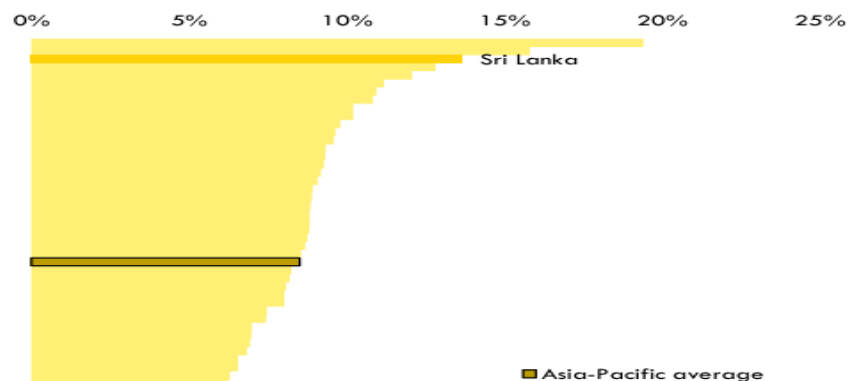
(EDGAR, 2023)

## Goal 3 - Economic sustainability:

By 2030, realize sustainable economic and employment growth by leveraging science, technology and innovation and green investments in quality passenger and freight transport infrastructure and services in a manner that fully incorporates environmental and social impacts throughout the lifecycle of the transport infrastructure and services, (Based on SDG 8.4, SDG 9.1, 12.1 and 12.c)

### Transport sector and GDP

#### Transport as a share of GDP



(UN, 2023)

- **Sector contribution:** The transport sector contributes significantly to Sri Lanka's GDP and employment.
- **ODA:** Transport Official Development Assistance and PPP investments have declined in recent years, potentially impacting infrastructure development.
- **Logistics performance:** The country has improved its logistics performance, indicating greater efficiency in trade and transport operations.

# **CLIMATE GOALS-**

## **Nationally Determined Contributions (NDCs) and its Implementation plan:**

### **Carbon Net zero 2050 Roadmap and Strategic Plan**

- **Establishment of the NDC & Carbon Net Zero Operational Secretariats**
- **Mobilize and strengthen Provincial Climate Boards and Provincial Climate Units to enhance implementation and reporting of NDCs at the sub-national level.**
- **Conduct a NDC stocktaking exercise with relevant sectors and identifying gaps and opportunities**
- **Preparation of NDC3.0 (2025-2035)**



# Development Initiatives

- **REDUCE-SHIFT-IMPROVE**
  - ❑ **PROMOTION OF PUBLIC TRANSPORTATION.**
  - ❑ **PROMOTION OF ELECTRIC MOBILITY**
  - ❑ **PROMOTION OF TRAINS**
  - ❑ **INCLUSIVITY AND LAST MILE CONNECTIVITY.**



**THANK YOU**