

TAMIL NADU GREEN CLIMATE COMPANY

National Climate Conclave 2025

New Delhi

1st December 2025

What did we do differently

Science Data & Evidence

Innovation

From Policy to Action



Harnessing The Power of Community & Youth

Tamil Nadu Green Climate Company

Uncharted Territory

Flagship Missions



Tamil Nadu Climate Change Mission

GHG Inventory

Decarbonization Pathways

TNSAPCC

Carbon Neutral Hubs

Climate Smart Villages



Green Tamil Nadu Mission

Increase green cover from 23.8% to 33% by 2030-31



Tamil Nadu Wetlands Mission

Restore 100 Wetlands

50 Ramsar Sites



Tamil Nadu Coastal Restoration Mission

Enhance Coastal Biodiversity

Coastal Protection

Improving Livelihood

Pollution Abatement

Tamil Nadu Climate Change Mission

Tamil Nadu

Climate Change Mission

The **Hon'ble Chief Minister of Tamil Nadu** launched Tamil Nadu Climate Change Mission on **9th December, 2022** at Chennai









Rs.500 Cr.

From Policy to Action

Tamil Nadu Governing Council on Climate Change

District Climate Change Mission headed by District Collectors



DFO's as Climate Officers

Tamil Nadu Governing Council on Climate change

Chaired by **Honourable Chief Minister of Tamil Nadu**





Science Data & Evidence

Climate Studio



Baseline Studies

Working with Partners

SHAKTI SUSTAINABLE ENERGY FOUNDATION

VASUDHA FOUNDATION
Green ways for a good earth!

ANNA UNIVERSITY
PROGRESS THROUGH KNOWLEDGE

WORLD BANK GROUP

NCSCM

WRI INDIA

SDMRI

CEEW
THE COUNCIL

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

UK Government

C40 CITIES

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

CAG
Citizen consumer and civic Action Group

ICLEI
Local Governments for Sustainability

Keystone
A GROUP FOR ECO-DEVELOPMENT INITIATIVES

iihs®
INDIAN INSTITUTE FOR HUMAN SETTLEMENTS

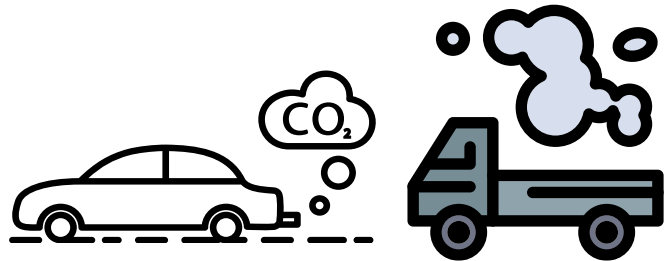
unicef

asar

TAMIL NADU – Green House Gas Emissions

(DATA & EVIDENCE)

















Climate Studio

A **first-of-its-kind facility** with high-performance computing, storage and accessories **for climate modelling.**

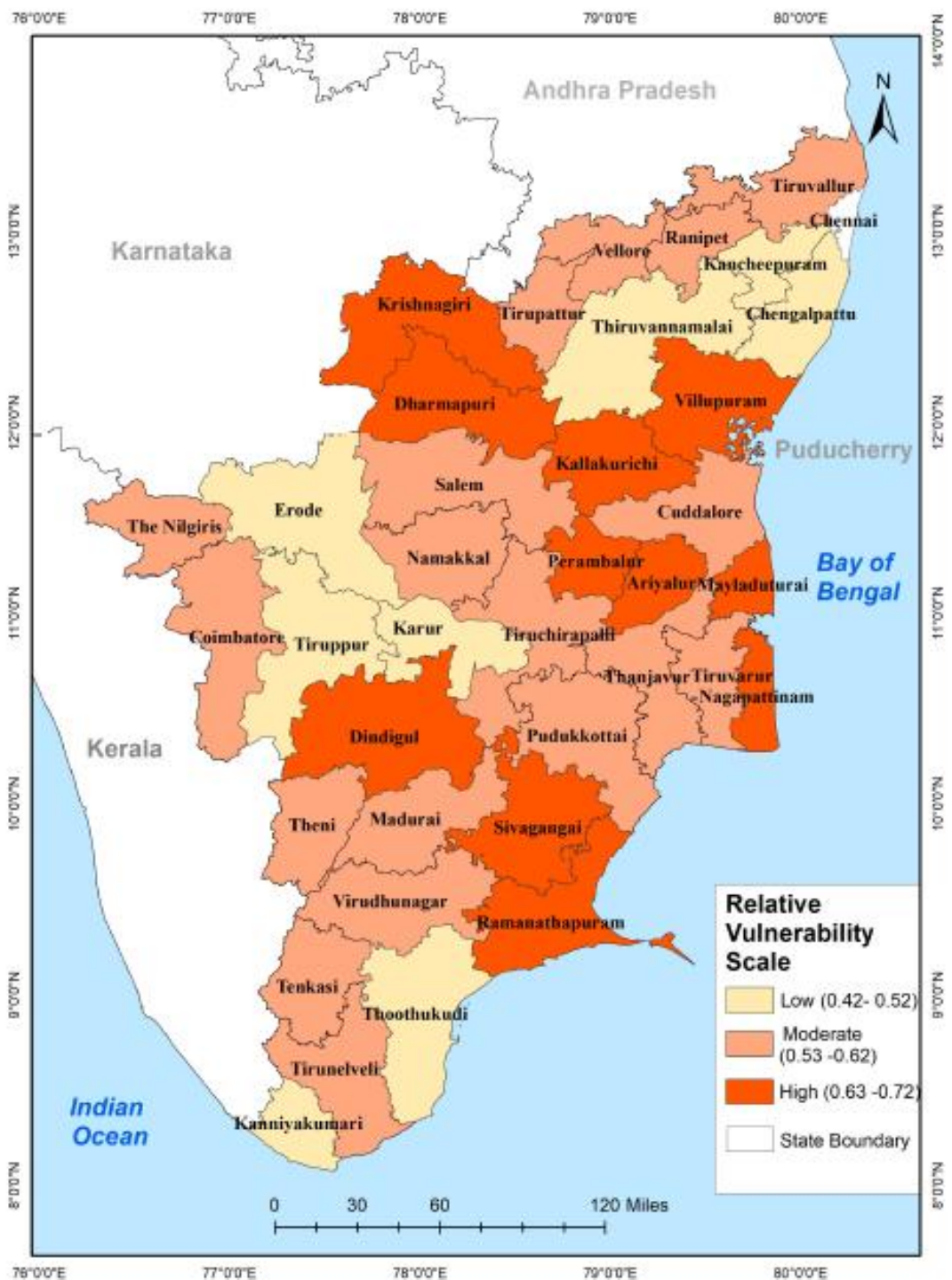
Established at: Centre for Climate Change and Disaster Management at Anna University, Chennai

Trained 200+

- High vulnerability
  9 districts

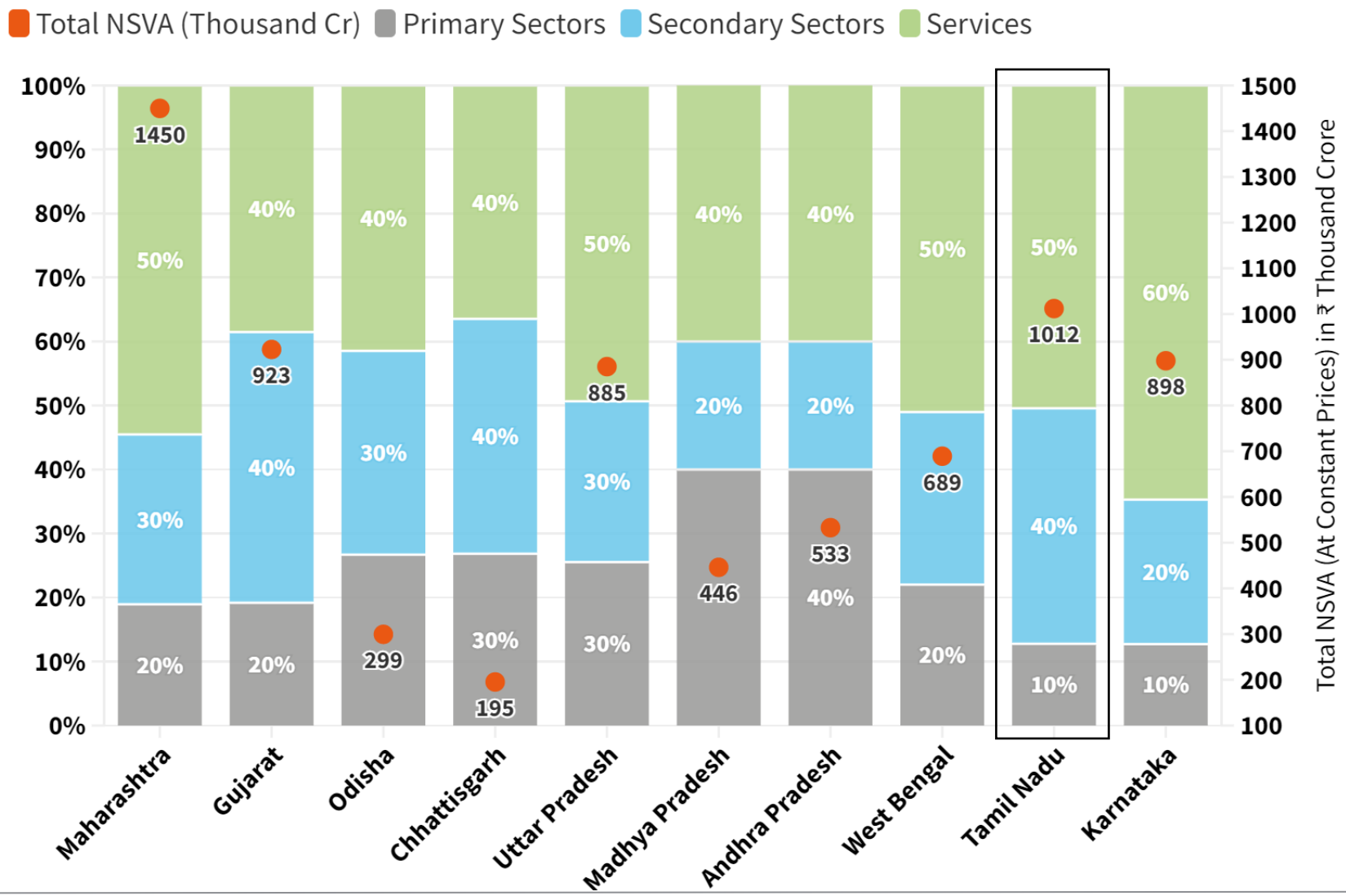
- Moderate vulnerability
  15 districts

- Low vulnerability
  7 districts



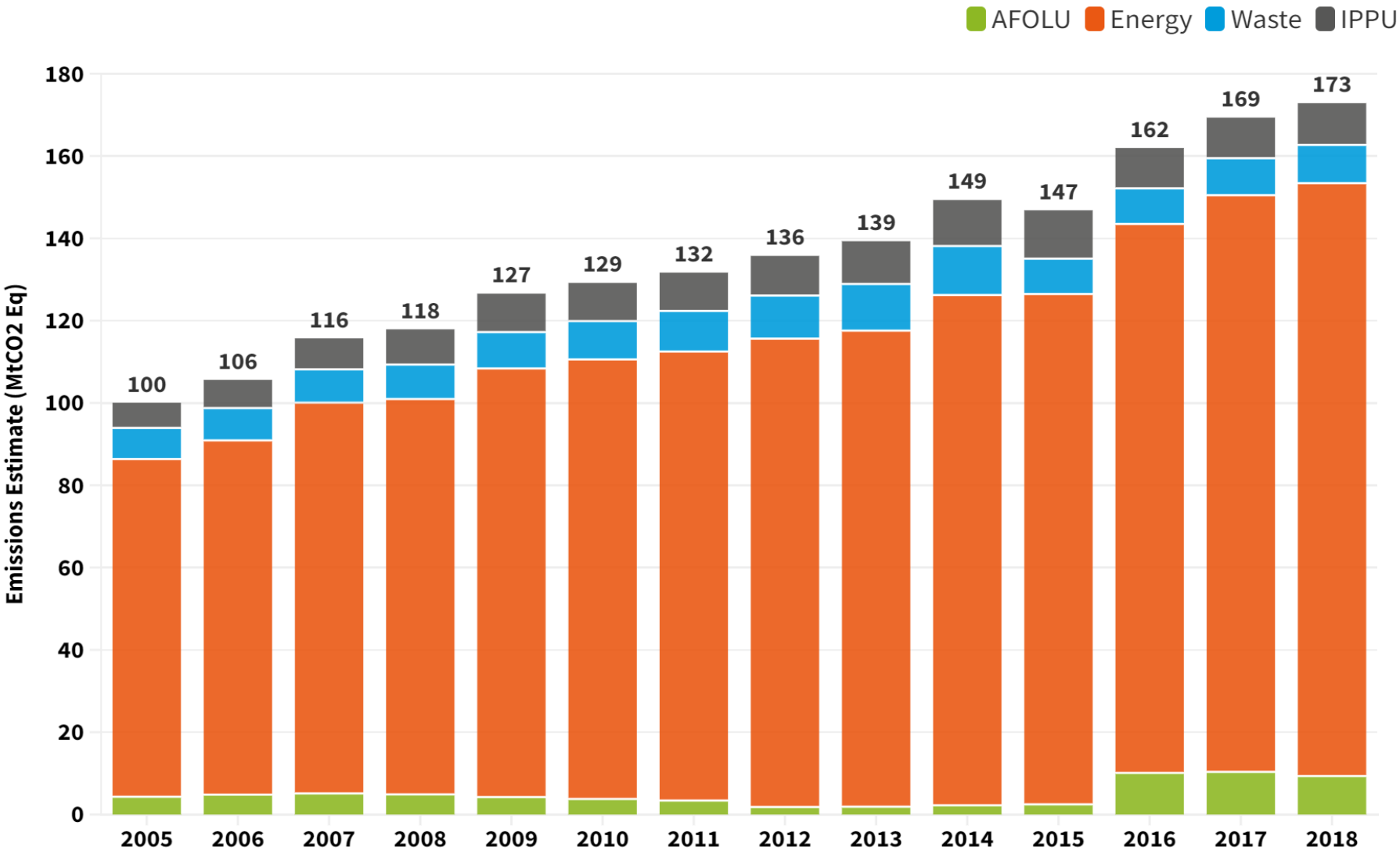
Despite high economic value add, TN's emissions are relatively low

NSVA by Economic Activity in top 10 GHG emitting states (2020-21)



Source: RBI Handbook of Statistics on Indian Economy 2022

Energy sector is the biggest source of emissions in TN



Increase in emissions (compounded annually) is a little less than national trend – **CAGR of India's emissions in the same period is 4.5%**

% Share of emissions from various sectors has only changed marginally between 2005 and 2018:

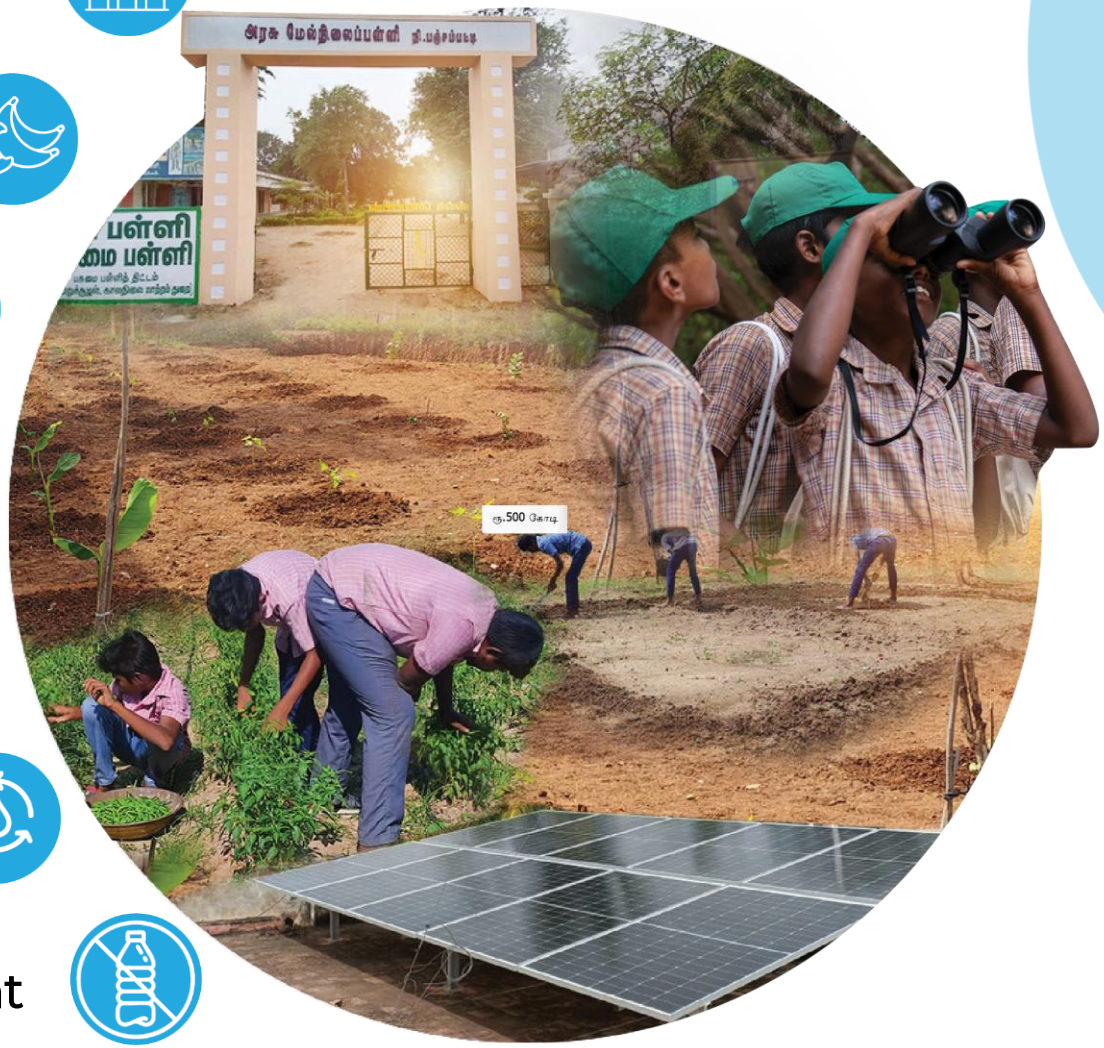
	2005	2018
Energy	**82%**	**84%**
IPPU	6%	8%
Waste	8%	6%
AFOLU	4%	2%

Source: GHG Platform India, CEEW Analysis

Green School Scheme

297 Schools

- Sustainable Energy
- Waste Composting
- Rainwater harvesting
- vegetable and medicinal gardens
- Energy efficient
- Reducing water consumption
- plastic-free environment



Blue Flag Certification Programme in Tamil Nadu

Blue Flag certification programme is run by the Foundation for Environmental Education and is headquartered in Copenhagen, Denmark.











Glimpses from Kovalam Beach -**Tamil Nadu's first Blue Flag Beach**

Capacity Building Workshops



Energy Efficient Sustainable Habitat Workshops

21 Municipal Corporation

3360 Participants

Capacity Building Workshop for Hon'ble MLA's



Stakeholders Workshop

38 Districts

4779 Participants



Chief Minister's Green Fellowship Programme (CMGFP)

The programme aims to >>

Disseminate climate change awareness among younger generations and students.





Create a pool of green ideas and technological interventions to reduce environmental impacts and conserve nature.





Proactively identify gaps in implementing environmental policies within the district.





CHIEF MINISTER'S GREEN FELLOWSHIP PROGRAMME (CMGFP)

The new Green Fellows were selected for the Second Batch and were positioned at all the 38 districts of Tamil Nadu.

They play a pivotal role in catalyzing impactful change among the commons through taking over the Government initiatives like Meendum Manjappai campaigns, reducing use of Single Use Plastics and nature conservation.

Tamil Nadu Climate Summit

Tamil Nadu
Climate Summit

First of its kind initiative











Climate Literacy –
Climate Literacy Module





Retrofitting of Government Buildings & religious locations





Energy-efficient lighting & HVAC

Solar power & battery storage

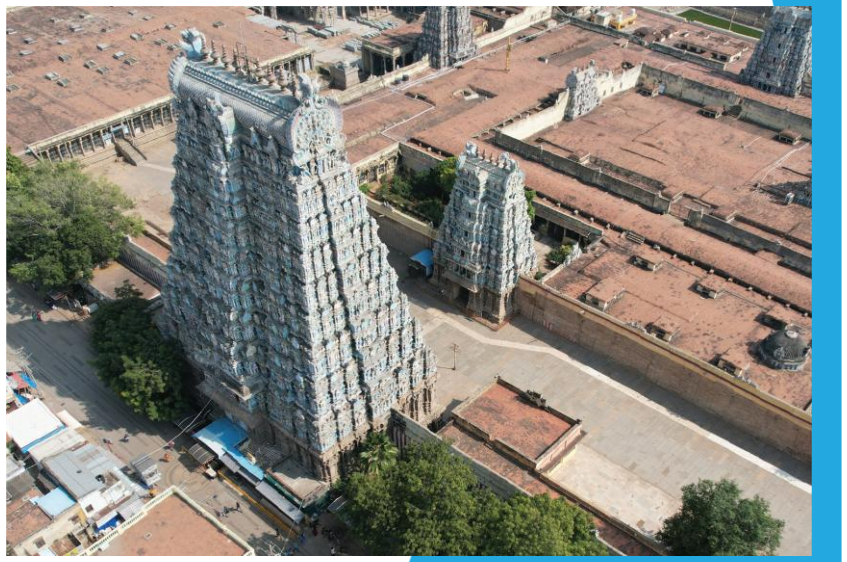
Rainwater harvesting & recycling

Waste segregation & composting

Insulation & smart controls

Green Temple





Carbon Neutral Hubs



Green House Gas Inventorization

Continuous Monitoring and Reporting of Carbon Emissions

Embrace Renewable Energy & Infrastructure.

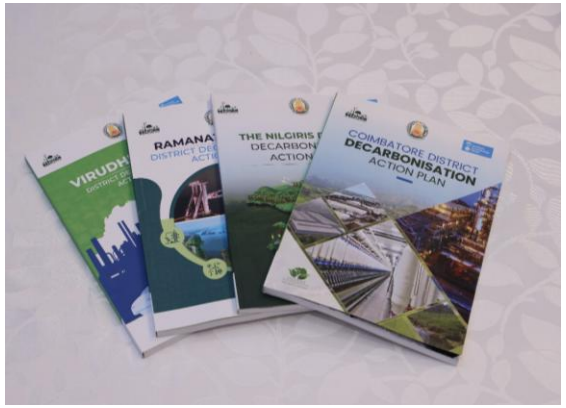
Adopt Circular Economy Principles

Promote Sustainable Transportation and Mobility

Invest in Carbon Offsetting

CARBON NEUTRAL HUBS





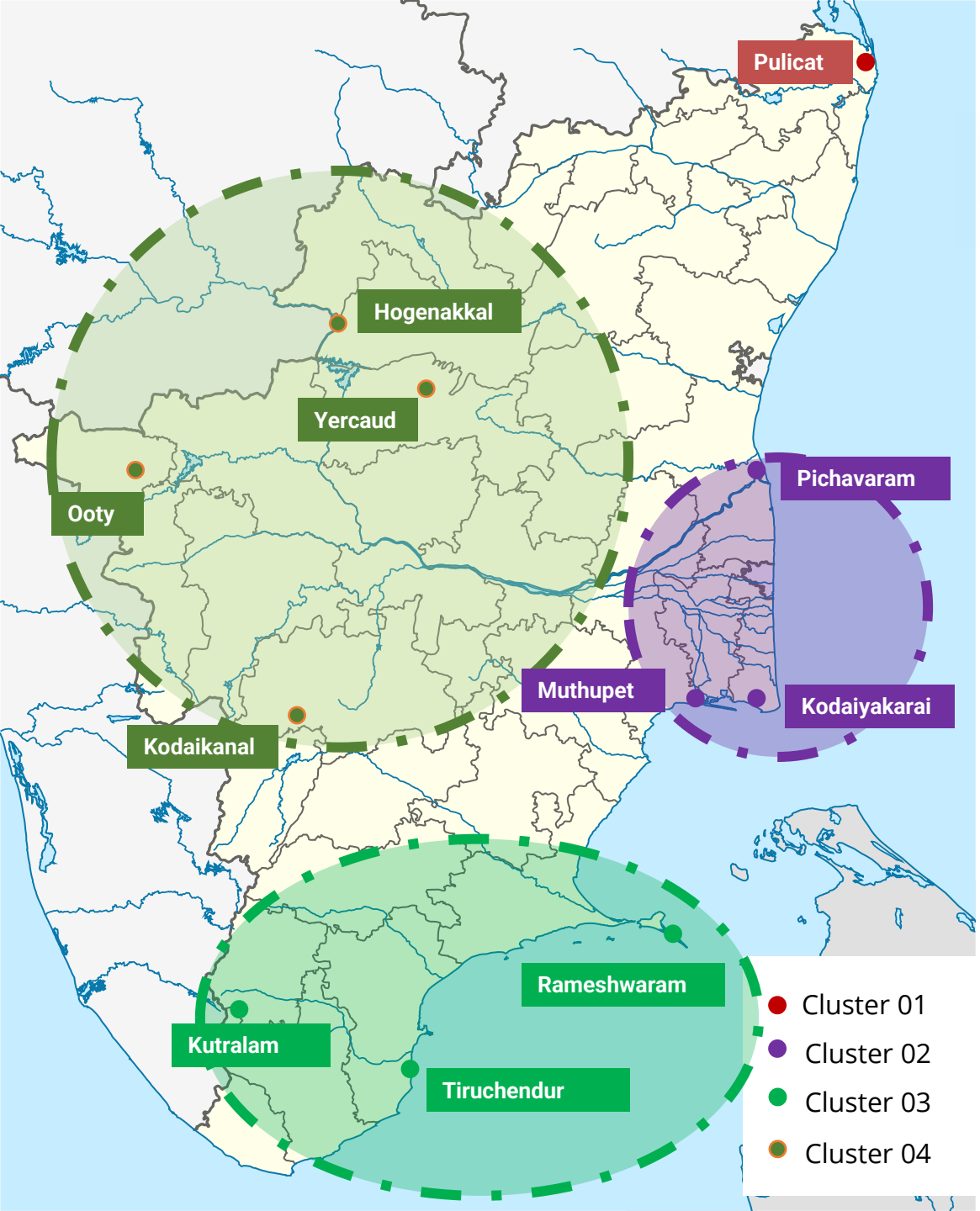


Coimbatore, Rajapalayam, Rameshwaram,

Nilgiris as pilot Carbon Neutral districts

A comprehensive strategy to power district operations and facilities with renewable energy sources such as solar, wind, and hydroelectric power

Carbon offset projects and technologies like afforestation, reforestation, and carbon capture to
balance out any remaining emissions, striving for a net-zero carbon footprint within districts



Climate Smart Village

- Water Resource Management
- Solid Waste Management
- Energy Efficient Practices
- Sustainable Livelihoods
- Climate Proofing - Disaster Risk Reduction
- Community Engagement And Monitoring
- Climate Resilient Agricultural Practices
- Enhanced Land Use Practices



CLIMATE RESILIENT VILLAGES

Kodiyakarai, Muthupet, Kodaikanal, Courtallam, Pichavaram, Rameswaram, Yercaud, Ooty, Hogenakkal, Pazhaverkadu, Thiruchendur to be developed as Climate Resilient Villages (CRV)

- USD 1.2 million funds allocated
- Mini Data Centre at Village
- Solar Roof
- Waste water management
- Rain water harvesting
- Plastic free initiatives
- Eco-friendly alternatives
- Green Schools
- Climate Resilient Agriculture & Horticulture
- Management of Livestock & Cattle
- Trained Community for livelihood options





Lifestyle for Climate Change

https://tngreenbuildings.com/



EDUCATIONAL BUILDINGS | HOSPITALITY BUILDINGS | ASSEMBLY BUILDINGS | BUSINESS BUILDINGS | SHOPPING BUILDINGS

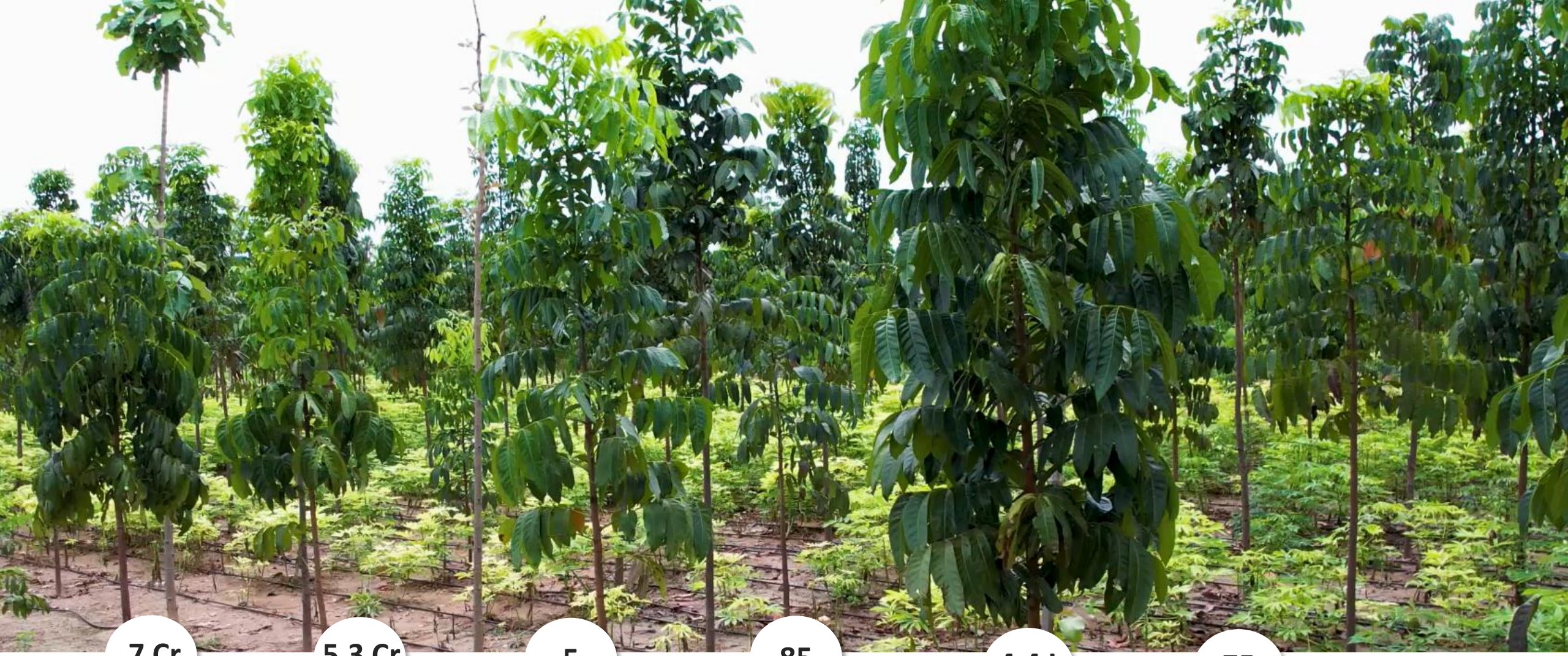
Benefits

- Help meet net zero targets
- Cost savings
- Awareness creation
- Market competitiveness
- Energy and resource efficiency
- Green mobility

Ratings



75-90 points | 60-74 points | 45-59 points | 30-44 points



7 Cr
Seedlings Planted

5.3 Cr
Crore Georeferenced

5
Hi-Tech Nurseries

85
Native Species

4.4 L
Mangrove Propagules Planted

75
Maragatha Poonjolai

Green Tamil Nadu Mission

REHABILITATION OF COASTAL HABITATS FOR CLIMATE CHANGE ADAPTATION THROUGH ECO FRIENDLY SOLUTIONS

- New Mangrove
  395Hectares

- Restoration
  650 Hectares

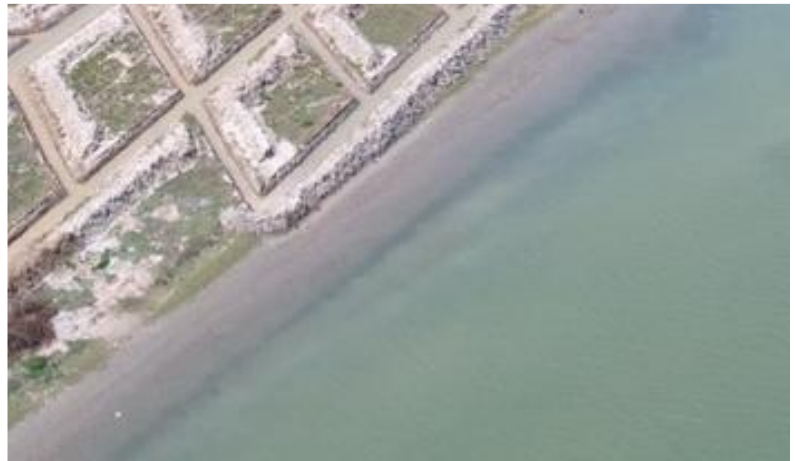
- Casuarina
  190 Hectares

- Palmyra
  102 Hectares









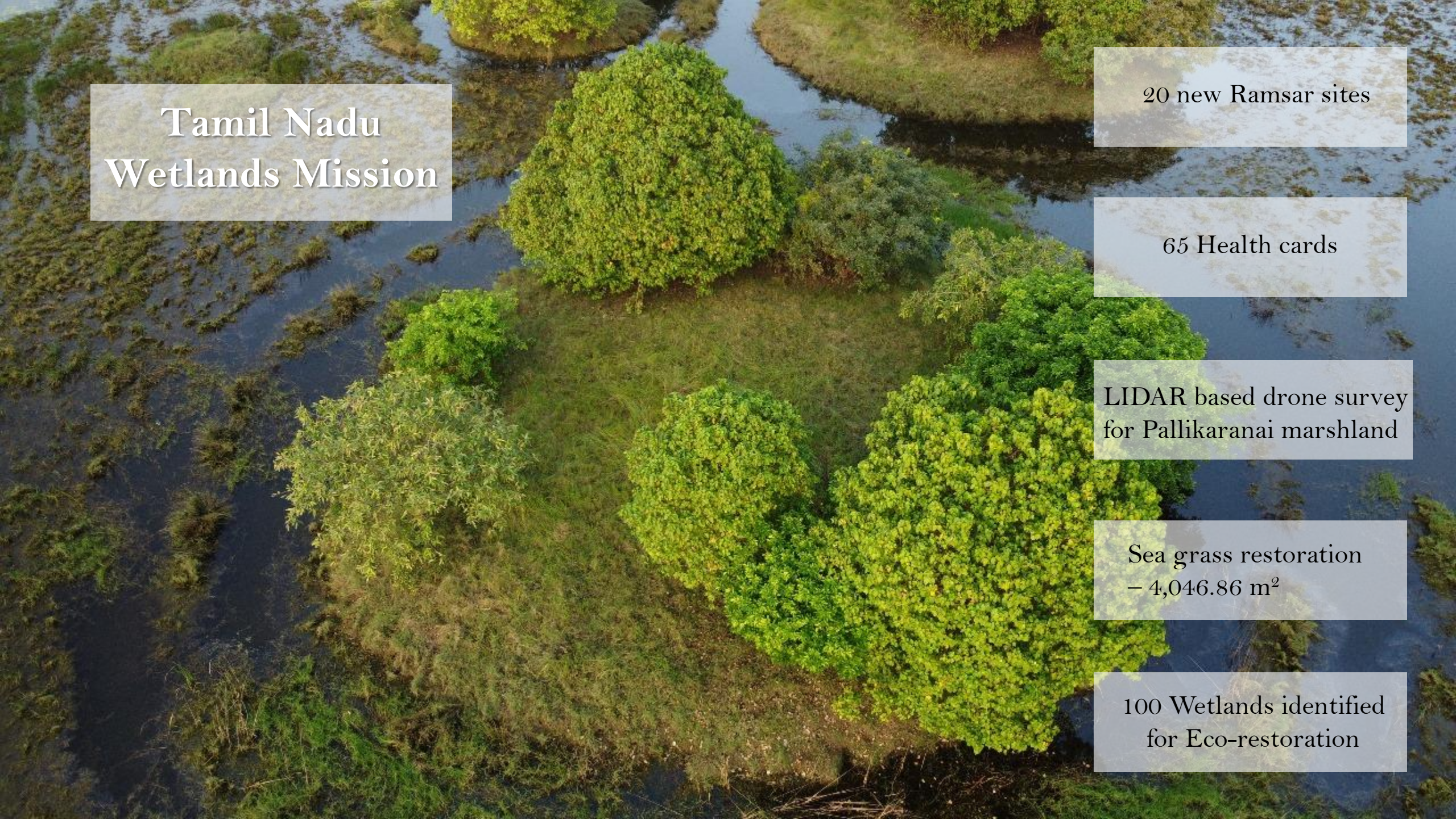
TAMIL NADU
MARINE RESOURCE
FOUNDATION
தமிழ்நாடு கடல்சார் வள அறக்கட்டளை



The Tamil Nadu Marine Resources Foundation (TNMRF) was launched on 09.09.2025

Marine biodiversity conservation, research and innovation, and sustainable livelihoods

By combining science, technology, and community efforts, the Foundation supports Tamil Nadu's Blue Economy vision and works toward a sustainable and climate-resilient coastal future.



Tamil Nadu Wetlands Mission

20 new Ramsar sites

65 Health cards

LIDAR based drone survey for Pallikaranai marshland

Sea grass restoration – 4,046.86 m^2

100 Wetlands identified for Eco-restoration

Community Involvement



2862 Wetland Mithras



500 NGOs & volunteers





Meendum Manjappai Campaign

- A people's campaign against Single Use Plastics



Launched by Hon'ble Chief Minister of Tamil Nadu on 23-Dec-2021

Manjappai Vending Machine

3 Lakh+ Cloth bags dispensed



253 MVMs

- **43** Commercial Space
- **10** High Court
- **34** Government Office
- **17** Transit hubs
- **8** Hospitals
- **17** Places of Worship

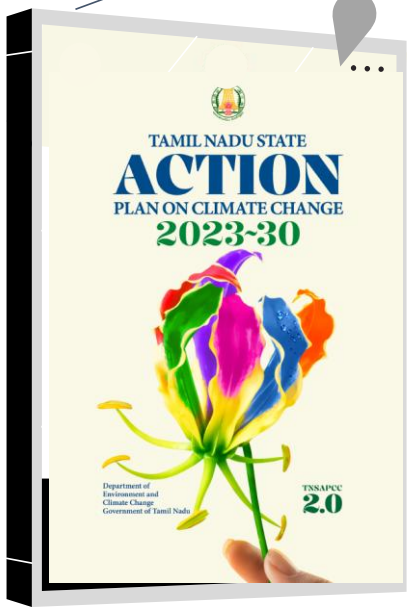








Tamil Nadu State Action Plan on Climate Change 2.0



Key Sectors

- Agriculture and allied sector
- Forests and biodiversity
- Water resources
- Coastal area management and fisheries
- Strategic knowledge for climate change
- Health
- Urban

S. No.	Sector	Proposed budget in INR crore
	ADAPTATION	
1	Agriculture and allied	71,731.94
2	Water resources	19,041.84
3	Forest and biodiversity	2,834.44
4	Coastal area management and fisheries	4,129.17
5	Strategic knowledge for climate change	280.87
6	Urban	1,20,274.00
	MITIGATION	
1	Power	2,88,799.00
2	Transport	10,814.00
3	Buildings	605.00
4	Industry	2,909.00
5	Agriculture	2,868.00

Budget: INR ~ 5,24,707 crores

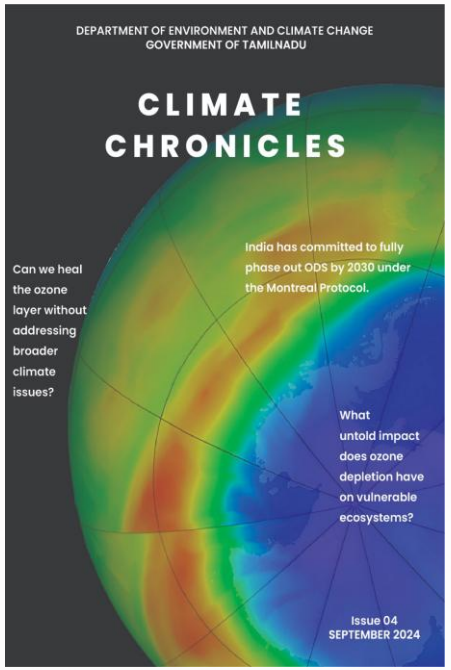
Taking the Uncharted Territory

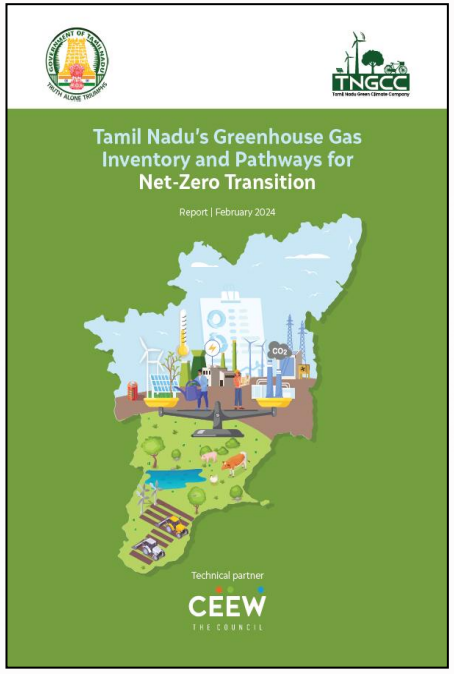


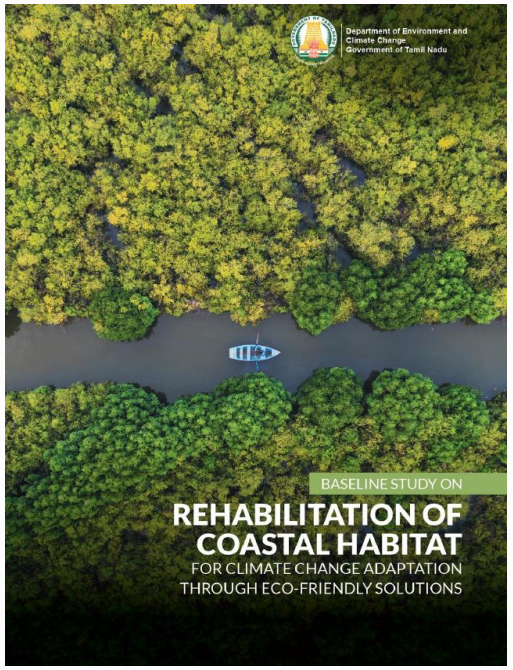
- Tamil Nadu Fish Net Initiatives
- Green Indexing of Cities & Industries
- Working with Rag Pickers
- Waste Exchange Bureau
- 100 Kurungadugal
- E Waste Circularity

Publications

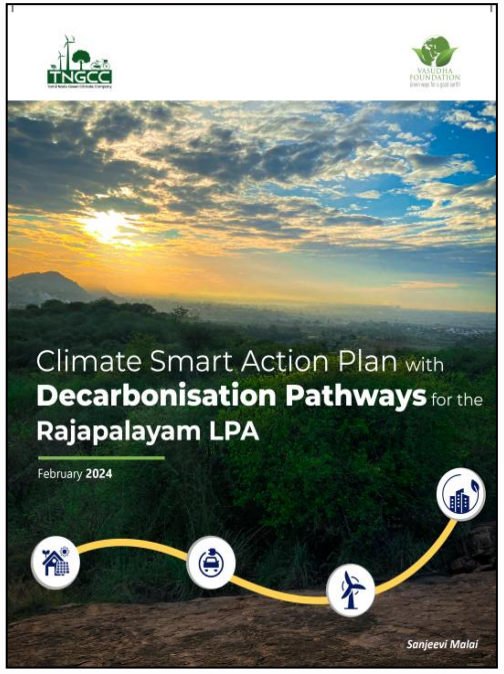
https://tnclimatechangemission.in/home/#













Tamil Nadu ranks 1st in Climate Action - Niti Aayog



THANK YOU

www.tnclimatechangemission.in

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