

Killai: Tamil Nadu's First Climate-Resilient Village

Killai has become Tamil Nadu's first fully operational climate-resilient village, showcasing successful adaptation strategies.

A climate-resilient village effectively addresses climate change impacts through ecosystem restoration, renewable energy, and community action.

KEY EXAM POINTS

- **Killai** in **Cuddalore district** is Tamil Nadu's **first fully operational climate-resilient village**.
- The village demonstrates successful **ecosystem restoration** and **renewable energy** use for **coastal community adaptation**.
- It addresses challenges such as **cyclones**, **sea-level rise**, saline intrusion, **coastal erosion**, and biodiversity loss.
- **Solar-powered e-boats** operate in the **Pichavaram mangrove creeks** near Killai.
- **Scientific beekeeping** is also practiced within the **Pichavaram mangrove ecosystem**.
- **Hybrid solar power systems** have been installed in **government buildings** in the village.

STATICS & SYLLABUS FOCUS

Pichavaram Mangrove Forest, located in **Cuddalore district**, is the **second largest** mangrove forest in **Tamil Nadu**.

Mangrove ecosystems play a crucial role in **coastal protection**, acting as **natural barriers** against cyclones and tsunamis.

Tamil Nadu's long coastline makes it highly vulnerable to **climate change impacts** like **sea-level rise** and **coastal erosion**.

The **Tamil Nadu State Action Plan on Climate Change (TNSAPCC)** outlines strategies for **climate change mitigation** and **adaptation**.

Tamil Nadu is a leading state in India for **renewable energy generation**, particularly in **wind and solar power**.

The concept of **climate-resilient villages** aligns with **Sustainable Development Goal 13: Climate Action**.

REVISION FLASHCARD

Killai in Cuddalore is Tamil Nadu's first climate-resilient village.

Syllabus Relevance: High

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