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Daily Current Affairs Encyclopedia

TN CA 29 Feb 2024

Kulasekarapattinam spaceport set to launch small satellites within two years	Context: <ul style="list-style-type: none">• ISRO Chairman S. Somanath announced that the newly constructed Kulasekarapattinam spaceport will be operational within two years.• This new facility will specifically focus on launching small satellites using the Small Satellite Launch Vehicle (SSLV).• The spaceport's southward launch trajectory eliminates the need for maneuvers to avoid Sri Lanka, saving fuel and improving efficiency.• This project is expected to enhance ISRO's launch capabilities and potentially benefit private space endeavors.
T.N.'s installed power capacity likely to increase 31.8% by 2026-27	Context: <ul style="list-style-type: none">• Tamil Nadu's total installed power capacity is projected to surge by 31.8% by 2026-27, reaching an estimated 47,048 MW.• This significant growth, as per the National Electricity Plan (Draft), signifies an ambitious goal to meet the state's growing energy demands.
T.N.'s greenhouse gas inventory	Context: <ul style="list-style-type: none">• A recently released greenhouse gas inventory for Tamil Nadu (T.N.) highlights the state's ambitious goal of achieving net zero emissions by 2070.• This plan necessitates a significant increase in renewable energy, particularly solar and wind power.• The inventory reveals a concerning 84% rise in emissions since 2005, emphasizing the urgency of transitioning to cleaner energy sources.• To meet this challenge, the report proposes a massive expansion of solar and wind energy capacity, targeting nearly 475 GW of solar and 90 GW of wind power by 2070.• This ambitious target requires substantial investment, estimated at over Rs 15 lakh crore by 2050 for both solar and wind combined.



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Chennai's second airport at Parandur to be built in four phases

Context:

- Chennai's upcoming second airport at Parandur will be constructed in four phases, aiming to handle a massive 100 million passengers upon completion.
- The project boasts an estimated cost of ₹32,704.92 crore, with over ₹10,307.3 crore dedicated solely to passenger terminals.
- This multi-phase development **signifies the Tamil Nadu government's vision to transform Chennai into a global metropolis**, fostering economic growth through direct and indirect job creation.