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Kudankulam Nuclear Project Data Breach Exposes Critical Infrastructure Cybersecurity Vulnerabilities

A significant data breach involving files related to the Kudankulam Nuclear Power Project in Tamil Nadu was reported, highlighting severe cybersecurity vulnerabilities in critical infrastructure.

It is an examination of cybersecurity threats and vulnerabilities extending beyond physical nuclear plant boundaries to third-party entities and commercial data servers.

KEY EXAM POINTS

- A data breach involving files related to the **Kudankulam Nuclear Power Project** in Tamil Nadu was officially reported on **July 15, 2026**.
- The security incident emphasizes that an organization's safety depends equally on the safeguards of every **external entity** with data access.
- Experts note that **critical infrastructure** cybersecurity policies must extend beyond physical perimeters to include third-party vendors and commercial rented servers.
- The breach indicates that severe cyber attacks on sensitive installations can successfully originate from compromised rented servers in **commercial data hubs**.
- The Kudankulam Nuclear Power Plant is located in **Tirunelveli district**, Tamil Nadu, and is India's largest nuclear power station.

DID YOU KNOW..!?

The Kudankulam Nuclear Power Plant (KKNPP) is constructed with technical cooperation from **Russia**.

The Indian Computer Emergency Response Team (**CERT-In**) functions under the Ministry of Electronics and Information Technology as the national nodal agency for cybersecurity.

The National Cyber Security Policy of India was formally adopted in the year **2013** to protect public and private infrastructure from cyber threats.

Information Technology Act, 2000 is the primary Indian legislation dealing with cybercrime and electronic commerce.

Nuclear Power Corporation of India Limited (**NPCIL**) is a Public Sector Undertaking under the Department of Atomic Energy, Government of India.

The National Critical Information Infrastructure Protection Centre (**NCIIPC**) was established in **2014** under Section 19A of the IT Act, 2000.

REVISION FLASHCARD

Kudankulam Nuclear Power Plant data breach highlights expanding cybersecurity vulnerabilities in India's critical infrastructure beyond physical boundaries.

Syllabus Relevance: High relevance for TNPSC Group 1 and Group 2 Science and Technology syllabus covering space, defense, and cybersecurity developments.

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