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PM Announces Five New Nuclear Reactors, Reaffirms 100 GW Target by 2047

15 August 2026 ·

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**Bharat Choudhary**

UPSC Educator & Content Creator

[in linkedin.com/in/epicbharat](https://www.linkedin.com/in/epicbharat)

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PM Announces Five New Nuclear Reactors, Reaffirms 100 GW Target by 2047

15 August 2026 · 1 min read ·

✓ Every fact web-verified against primary sources

*In his Independence Day address on **August 15, 2026**, PM Modi announced that **five new nuclear reactors** would become operational within **6-7 years**, reaffirming India's target of **100 GW nuclear capacity by 2047**.*

Background: The SHANTI Act

The announcement builds on the **SHANTI Act** (Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India), passed by the Lok Sabha on **December 17, 2025** and by the Rajya Sabha on **December 18, 2025**, which repealed the **Atomic Energy Act, 1962** and the **Civil Liability for Nuclear Damage Act, 2010**, opening private and foreign participation in nuclear plant construction while retaining state control over strategic and fissile-material activities.

The Nuclear Energy Mission

The **Nuclear Energy Mission** carries a **Rs 20,000 crore** outlay and targets deploying at least **five indigenously designed Small Modular Reactors (SMRs)** by **2033**, including the **Bharat Small Modular Reactor (BSMR-200)**, rated at **220 MWe**.

UPSC Relevance

The liability-law reform is a significant shift, balancing the need to attract private investment against maintaining adequate victim-compensation safeguards in the event of a nuclear incident, a genuine trade-off worth examining critically rather than treating the reform as an unambiguous improvement.

 FACTS CORNER, KNOWLEDGE PEDIA**NUCLEAR ENERGY EXPANSION, AUGUST 2026:**

Announced: 5 new reactors, operational within 6-7 years (August 15, 2026 address)

National target: 100 GW nuclear capacity by 2047

SHANTI Act: Lok Sabha December 17, 2025, Rajya Sabha December 18, 2025; repealed the Atomic Energy Act, 1962 and Civil Liability for Nuclear Damage Act, 2010

Nuclear Energy Mission: Rs 20,000 crore outlay; at least 5 indigenous SMRs by 2033

BSMR-200: Bharat Small Modular Reactor, rated 220 MWe

Sources: Department of Atomic Energy, PIB

Source: PM Announces Five New Nuclear Reactors, Reaffirms 100 GW Target by 2047 — Ujjayari.com | Free UPSC & State PCS Current Affairs

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