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Seminar on

The Legislative Framework for Nuclear Energy in India

By Dr. R. B. Grover

- Member Atomic Energy Commission, India
- Chairman, Board of Research in Nuclear Sciences,
- Distinguished Professor Emeritus, Homi Bhabha National Institute (HBNI, DAE)

 Venue: Department of Energy Science and Engineering IIT Bombay

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About the Speaker

Dr. Ravi Bhushan Grover is a specialist in reactor thermal hydraulics, safety analysis, and nuclear energy planning, he has contributed to reactor design, international civil nuclear negotiations, and energy policy. He chaired India's delegation to the ITER Council (2006–2025) and is a recipient of the Padma Shri (2014) and the DAE Lifetime Achievement Award.

Abstract

The SHANTI Act (2025) enables private sector participation in owning and operating nuclear power plants while retaining core responsibilities with the Central Government. It consolidates regulation, civil liability, enforcement, and dispute resolution into a single framework, clearly defining operator responsibilities for safety, security, and safeguards. The Act separates licensing for establishment from safety authorisation for operation, embedding strong guardrails to ensure responsible management of nuclear science and technology in India.

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