



**GOVERNANCE  
AWARDS  
2015**  
28-11-2015

**LIFETIME ACHIEVEMENT  
AWARD**

*Dr. Anil Kakodkar*, NUCLEAR SCIENTIST

For distinguished service in the field of nuclear science, with massive contribution for the advancement of the science and India's nuclear energy programme

BORN on November 11, 1943 in Barawani village of Madhya Pradesh, Dr. Anil Kakodkar graduated from VJTI, Bombay University, with a degree in Mechanical Engineering in 1963 and did M.Sc. in Experimental Stress Analysis from Nottingham University in 1969. He joined the Bhabha Atomic Research Centre (BARC) in 1964 and became its director in 1996. He was the Chairman, Atomic Energy Commission, and Secretary to the Government of India, Department of Atomic Energy, during 2000-09. He was DAE Homi Bhabha Chair Professor at BARC during 2010-15.

In the Reactor Engineering Division of BARC he played a key role in design and construction of the Dhruva reactor, a completely original high-tech project. He was in the core team of architects of India's peaceful nuclear tests in 1974 and 1998. Further, he led the indigenous development of India's pressurised heavy water reactor technology and rehabilitated two reactors at Kalpakkam and the first unit at Rawatbhatta.

A strong advocate of India's self-reliance, Dr. Kakodkar led with dedication the pursuit of utilising thorium as a fuel for nuclear energy and development of national capability in all aspects of atomic energy for which he built competent teams of highly specialised scientists and engineers. Currently, he engages in designing the Advanced Heavy Water Reactor, which uses thorium-uranium 233 as the primary energy source with plutonium as the driver fuel. The unique reactor system, with simplified but safe technology, will generate two-thirds of electricity from thorium. His efforts have earned India a distinctive status as a country with advanced nuclear technology. He has published over 250 scientific papers.

A stalwart luminary, Dr. Kakodkar has been a recipient of the Padma Shri (1998), Padma Bhushan (1999), and the Padma Vibhushan (2009), besides other highly acclaimed awards in recognition of his immense contributions. He also holds key positions in various important organisations and institutions of repute such as the Atomic Energy Commission, ONGC Energy Centre Trust, IIT Bombay and so on. Currently, he holds the INAE Satish Dhawan Chair of Engineering Eminence at BARC.

Presently Dr. Kakodkar is the Chairman, Board of Directors, NISER, Bhubaneswar.



THE  
JURY

**Prabhat Kumar**  
Former Cabinet  
Secretary

**Anil Razdan**  
Former Secretary,  
Power

**Vishnu Bhagwan**  
Former Chief  
Secretary, Haryana

**M B Kaushal**  
Former Secretary,  
Internal Security