

Vision to Reality...

Leaders of Bhabha Atomic Research Centre

Dr. Homi J. Bhabha [Tenure: 1954-66]

A visionary physicist. Founded India's nuclear energy programme and established Atomic Energy Establishment Trombay (now BARC). Renowned globally for his pioneering work in cosmic rays and particle physics, including Bhabha Scattering, Bhabha-Heitler Cascade theory. A master institution builder who



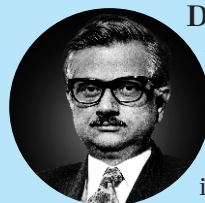
shaped India's nuclear future and championed peaceful applications of nuclear energy worldwide. Mentored future generations of scientists.

Awarded the Padma Bhushan (1954), elected FRS (1941), won the Adams Prize (1942) and was nominated for the Nobel Prize multiple times.



Dr. Homi Nusserwanji Sethna

[Tenure: 1966-72] A pioneering chemical engineer. Instrumental in developing India's nuclear fuel cycle. Led the establishment of key facilities for uranium production and thorium processing. Oversaw major projects - CIRUS reactor, Heavy water and isotopic separation units. Honored with the Padma Shri (1959), Padma Bhushan (1966), Padma Vibhushan (1975) and the Shanti Swarup Bhatnagar Prize (1960). Played key roles in shaping India's S&T policy.



Dr. Raja Ramanna [Tenure: 1972-78

& 1981-84] A pioneer in nuclear physics and reactor design, led landmark projects like the Apsara and Dhruva reactors. Advanced fission research, oversaw the creation of Training School in Mumbai. Guided setting up of key institutions - RRCAT. Played a vital role in India's strategic ambitions. Awarded Padma Shri (1968), Padma Bhushan (1973), and Padma Vibhushan (1975). Remains a towering figure in the world of nuclear science.



Dr. Padmanabhan Krishnagopalan

Iyengar [Tenure: 1984-90] A visionary nuclear physicist. Renowned for his work in neutron scattering, condensed matter, and reactor physics. Led the construction of the Dhruva reactor, advanced accelerator and neutron beam research. Explored bold frontiers like cold fusion, blending basic science with applied innovation. Honoured with the Padma Bhushan (1975) and Shanti Swarup Bhatnagar Award (1971). Recipient of the Raman Centenary Medal, Bhabha Medal, and R.D. Birla Award.



Dr. Rajagopala Chidambaram

[Tenure: 1990-93] A world-class physicist. Made pioneering contributions to high-pressure physics, crystallography, and materials science. Advanced supercomputing at BARC. Played a vital role in India's strategic and scientific future. Honoured with the Padma Shri (1975) and Padma Vibhushan (1999). Has 20+ honorary D.Sc. degrees, global fellowships, C.V. Raman Award and Meghnad Saha Medal.



Dr. A. N. Prasad [Tenure: 1993-96]

A specialist in the nuclear fuel cycle, focusing on back-end processes and safeguards. Expertised in reprocessing plant operations. He was instrumental in establishing India's maiden Fuel Reprocessing Plant in Trombay in 1964. Spearheaded efficient and secure management of nuclear materials. Chaired the highly important DAE's Safeguards Committee.



Dr. Anil Kakodkar [Tenure: 1996-

2001] A visionary nuclear scientist. Instrumental in India's landmark Pokhran-II tests. Advanced India's reactor and power programmes. Championed thorium-based technologies to ensure energy sustainability. Shaped India's modern nuclear journey. Honoured with the Padma Shri (1998), Padma Bhushan (1999), and Padma Vibhushan (2009). Other accolades include the Maharashtra Bhushan, Gomant Vibhushan, Homi Bhabha Lifetime Achievement Award, and several national and international honours.

...Excellence in Nuclear R&D

Leaders of Bhabha Atomic Research Centre



Mr. Bisweswar Bhattacharjee

[Tenure: 2001-04] A pioneering chemical engineer. Instrumental in developing India's uranium and enrichment capabilities. Championed nuclear-powered desalination, leading projects such as Kalpakkam facility for ensuring sustainable water and energy solutions.

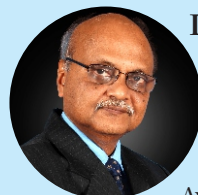
He also made significant contributions to chemical metallurgy. He's a Padma Shri awardee (2001) and a Fellow of the Indian National Academy of Engineering. Member of NDMA.



Dr. Srikumar Banerjee [Tenure:

2004-10] An internationally acclaimed metallurgist. Made pioneering contributions to zirconium and titanium alloys. His research on radiation stability and shape memory alloys led to innovative applications like heat-shrinkable couplings for India's home-grown LCA fighter Tejas.

Received Padma Shri (2005), Shanti Swarup Bhatnagar Award (1989), G.D. Birla Gold Medal, and INSA Prize. Internationally acclaimed with the Acta Metallurgica. He's a fellow of India's leading science and engineering academies.



Dr. Ratan Kumar Sinha [Tenure:

2010-12] A distinguished mechanical and nuclear engineer. Renowned for his pioneering work on thorium-based advanced reactors with passive safety features. Led key projects - AHWR and Dhruva reactor core design. Awarded the inaugural Homi Bhabha Science and

Technology Award, Indian Nuclear Society Award, DAE Special Contributions Award. He is a Fellow of INAE. Received Honorary D.Sc. from the University of Mysore.



Dr. Sekhar Basu [Tenure: 2012-16]

A visionary nuclear engineer. Shaped India's reactor technology and nuclear waste management. Led the Nuclear Recycle Board. Pioneered safe nuclear waste disposal. Designed key reprocessing plants. Advanced India's first Integrated

Nuclear Recycle Plant. Honoured with the Padma Shri (2014). Indian Nuclear Society Award, DAE Group Achievement Award, and DAE Special Achievement Award. He's a Fellow of the Indian National Academy of Engineering.



Mr. Kamlesh Nilkanth Vyas [Tenure:

2016-19] A distinguished mechanical engineer. Renowned for pioneering nuclear fuel design, reactor component development, and thermal hydraulics. Expertised in stress analysis of reactor core components. Spearheaded India's participation in the ITER Test Blanket Module,

strengthening global nuclear collaboration. Awarded Indian Nuclear Society Outstanding Service Award (2011). Homi Bhabha Science and Technology Award (2006). He's a Fellow of INAE.



Dr. Ajit Kumar Mohanty [Tenure:

2019-23] A distinguished nuclear physicist. Regarded for his pioneering experimental research across collision energies and leading India's role in global projects like PHENIX and CMS at CERN. A two-time CERN Scientific Associate. Held

key leadership positions at SINP and the Indian Physics Association. Honored with the Indian Physical Society's Young Physicist Award (1988), INSA Young Scientist Award (1991), DAE's Homi Bhabha Science and Technology Award (2001). He also received an Honorary D.Litt. from Utkal University.



Mr. Vivek Bhasin [Tenure: 2023-Present]

A distinguished advanced nuclear engineer. Expertises in advanced nuclear fuel development, reactor design, and structural integrity assessment for India's power reactors. He immensely contributed for enhancement in reactor safety and longevity across multiple sites and pioneered key facilities like APSARA-U fuel fabrication and the Fission-Moly production plant. Awarded the Indian Nuclear Society Medal (2002), DAE Science & Technology Award (2006), and

Homi Bhabha Science & Technology Award (2014). He's a Fellow of the Indian National Academy of Engineering.