

NEERI - National Environmental Engineering Research Institute

Imagine a world with polluted rivers, unsafe air, and accumulating waste. Who tackles these environmental issues using science and technology? One key institution in India is the National Environmental Engineering Research Institute.

NEERI, originally established as the Central Public Health Engineering Research Institute (CPHERI) on 8 April 1958, was renamed in 1974 by Prime Minister Indira Gandhi to emphasize environmental science and pollution control. Headquartered in Nagpur, it has regional labs in several major cities.

Objectives

The main objectives of NEERI are to conduct advanced environmental research, develop pollution control and green technologies, provide scientific solutions for sustainable development, support government policies and regulations, and industries in eco-friendly practices.

Significance of NEERI

NEERI plays a vital role in India's environmental research ecosystem. It supports national environmental policies, pollution control systems, Smart City and Swachh Bharat initiatives, and sustainable industrial practices. The institute is also a leading centre for environmental monitoring, ecological restoration, public health engineering, and green technology development.

Collaborations

NEERI collaborates with government ministries, state pollution control boards, universities, Industries, International agencies, and health organizations. Recent collaborations include MoUs with public health and environmental bodies to advance the **One Health concept**, which links human health and the environment.

Achievements

NEERI's key achievements include nationwide air quality monitoring since 1978, developing water purification and defluorination technologies, and a saline gargle-based COVID-19 testing method. The institute is also known for waste - to - wealth technologies and is one of India's oldest and most respected environmental engineering organizations.

Conclusion

NEERI is a vital scientific guardian for India's environment and public health challenges. Through innovation and research, it develops green technologies and supports environmental policies, promoting a cleaner, sustainable future.

