

bhabha atomic research centre address

bhabha atomic research centre address is a highly sought piece of information for individuals and organizations interested in one of India's premier nuclear research institutions. This article delves into the detailed address of the Bhabha Atomic Research Centre (BARC), providing clarity on its location and how to access it. Additionally, the article explores the significance of BARC in India's scientific landscape, its main functions, and how it contributes to nuclear research and development. Readers will also find information about the various departments within BARC and contact details useful for official communication. This comprehensive guide aims to assist researchers, students, and professionals who seek to connect with BARC or understand its operational base. The following sections will cover the official address, the center's history, organizational structure, and visitor information.

- Official Bhabha Atomic Research Centre Address
- History and Importance of Bhabha Atomic Research Centre
- Organizational Structure and Departments
- How to Reach Bhabha Atomic Research Centre
- Contact Information and Communication Channels

Official Bhabha Atomic Research Centre Address

The Bhabha Atomic Research Centre is located in Trombay, Mumbai, Maharashtra, India. Its official address is essential for correspondence, visits, and official documentation.

Complete Address Details

The full address of the Bhabha Atomic Research Centre is:

- Bhabha Atomic Research Centre (BARC)
- Training School Complex, Trombay
- Mumbai - 400085
- Maharashtra, India

This location serves as the headquarters and primary facility of BARC, hosting research laboratories, administrative offices, and training centers.

Postal and Communication Information

For official communication, it is important to use the correct postal code and ensure that the address is clearly mentioned. The postal code 400085 is specific to the Trombay area of Mumbai, where BARC is situated. This ensures timely delivery of mail and official documents.

History and Importance of Bhabha Atomic Research Centre

The Bhabha Atomic Research Centre was established in 1954 and named after Dr. Homi Jehangir Bhabha, the father of the Indian nuclear program. Its establishment marked a significant milestone in India's journey toward self-reliance in nuclear science and technology.

Founding and Evolution

Initially known as the Atomic Energy Establishment, Trombay (AEET), the center was renamed BARC in 1966 to honor Dr. Bhabha's contributions. Over the decades, BARC has evolved into a multifaceted institution focusing on research, development, and deployment of nuclear energy and related technologies.

Strategic Role in India's Nuclear Program

BARC plays a pivotal role in India's nuclear power generation, fuel cycle management, and development of radiation technologies for medical and industrial applications. It also conducts research in materials science, chemical engineering, and electronics, contributing to national scientific advancement.

Organizational Structure and Departments

Understanding the organizational setup of BARC provides insights into its operational capabilities. The center is divided into multiple specialized departments, each handling distinct aspects of nuclear science and technology.

Key Departments at BARC

- Reactor Engineering Division
- Radiation Medicine and Biology Division
- Chemical Engineering Group
- Electronics Division
- Fuel Chemistry Division
- Materials Science Division
- Physics Division
- Environmental Science Group

Each department is staffed with experts and researchers working on cutting-edge projects that align with BARC's mission to harness nuclear energy for peaceful purposes and societal benefit.

Training and Educational Facilities

BARC also operates a Training School that offers specialized courses for young scientists and engineers. This program is instrumental in nurturing talent and ensuring a steady pipeline of skilled professionals for India's nuclear sector.

How to Reach Bhabha Atomic Research Centre

Locating the Bhabha Atomic Research Centre in Mumbai is straightforward due to its prominent position in the Trombay area. Various transportation options are available for visitors and personnel traveling to the center.

By Road

The center is accessible via major roads connecting Mumbai to Trombay. Private vehicles and taxis can reach BARC easily from central Mumbai, with well-marked routes leading to the complex.

By Public Transport

Public buses operated by the Brihanmumbai Electric Supply and Transport

(BEST) provide regular service to Trombay. Visitors can use these buses from key locations in Mumbai to reach the vicinity of BARC.

Nearby Landmarks

BARC is situated near several notable landmarks in Trombay, including the Trombay Thermal Power Station and the Indian Institute of Technology Bombay (IIT Bombay), which can help visitors orient themselves when navigating to the center.

Contact Information and Communication Channels

For official inquiries, collaborations, or information requests, having the correct contact details of Bhabha Atomic Research Centre is essential.

Telephone and Fax

BARC maintains official telephone and fax lines to facilitate communication with government bodies, research institutions, and the public. These channels are managed by the administrative office at the Trombay complex.

Email and Online Presence

While BARC primarily communicates through official channels, it also has a web presence for disseminating information about research projects, recruitment, and public announcements. Prospective collaborators and researchers can use these platforms to find additional contact details.

Visiting Guidelines

Due to the sensitive nature of research conducted at BARC, visitors typically require prior authorization. Official visitors must coordinate with the administrative office and comply with security protocols to gain access to the premises.

Frequently Asked Questions

What is the address of Bhabha Atomic Research Centre (BARC)?

The address of Bhabha Atomic Research Centre (BARC) is Trombay, Mumbai,

Maharashtra 400085, India.

Where is Bhabha Atomic Research Centre located?

Bhabha Atomic Research Centre is located in Trombay, Mumbai, Maharashtra, India.

How can I contact Bhabha Atomic Research Centre?

You can contact BARC at their official address: Trombay, Mumbai, Maharashtra 400085, India. For phone or email, refer to the official BARC website.

Is Bhabha Atomic Research Centre located in Mumbai?

Yes, Bhabha Atomic Research Centre is situated in Mumbai, specifically in the Trombay area of Maharashtra.

What is the postal code for Bhabha Atomic Research Centre?

The postal code for Bhabha Atomic Research Centre is 400085.

Can I visit Bhabha Atomic Research Centre in person?

Visits to BARC are generally restricted due to its status as a high-security nuclear research facility. Prior permission and authorization are required for any visit.

Does Bhabha Atomic Research Centre have multiple campuses or just one address?

BARC primarily operates from its main campus located at Trombay, Mumbai. There are other associated units, but the main research centre's address is in Trombay.

What is the significance of the location of Bhabha Atomic Research Centre?

The location in Trombay, Mumbai, was chosen for BARC due to its proximity to the coast for easy transportation and access to resources necessary for nuclear research.

Where can I find official information about Bhabha Atomic Research Centre's address?

Official information about BARC's address can be found on the Department of Atomic Energy's website or the official BARC website at barc.gov.in.

Additional Resources

1. *Inside the Bhabha Atomic Research Centre: India's Nuclear Journey*

This book offers an in-depth look into the history and development of the Bhabha Atomic Research Centre (BARC). It covers the centre's foundation, key scientific achievements, and its role in advancing India's nuclear technology. Readers gain insights into the pioneering research and the vision of Homi J. Bhabha, the father of India's nuclear program.

2. *The Bhabha Atomic Research Centre: Science, Innovation, and National Security*

Focusing on the dual aspects of scientific innovation and national security, this book explores how BARC contributes to India's defense and energy sectors. It discusses various projects ranging from nuclear reactors to radiation technologies and their impact on national growth. The narrative also touches upon challenges faced by the centre in a rapidly evolving global nuclear landscape.

3. *BARC and the Atomic Age in India: A Comprehensive Guide*

This comprehensive guide details the scientific and technological milestones achieved at BARC since its inception. It explains the centre's organizational structure, research facilities, and collaborations with international nuclear agencies. The book is essential for students and professionals interested in nuclear science and policy in India.

4. *Homi Bhabha and the Birth of the Bhabha Atomic Research Centre*

A biography-cum-institutional history, this book chronicles the life of Homi J. Bhabha and his vision that led to the establishment of BARC. It highlights his scientific contributions, leadership qualities, and the early days of India's atomic research endeavors. The book also reflects on Bhabha's enduring legacy within the global nuclear community.

5. *BARC's Role in India's Atomic Energy Program*

Detailing BARC's central role in India's atomic energy program, this book outlines the development of nuclear reactors, fuel cycle technologies, and radiation applications. It also discusses BARC's efforts in promoting peaceful uses of nuclear energy and addressing environmental concerns. The text serves as a valuable resource for understanding India's strategic use of atomic energy.

6. *Exploring the Bhabha Atomic Research Centre Campus: A Visual Journey*

This visually rich book presents a photographic tour of the BARC campus and its state-of-the-art laboratories. Alongside images, it provides descriptions of key facilities, ongoing projects, and the daily life of scientists working there. It aims to inspire curiosity about nuclear research and the people behind India's atomic advancements.

7. *Scientific Innovations at BARC: Pioneering Nuclear Research in India*

Highlighting breakthrough scientific innovations developed at BARC, this book discusses advanced nuclear technologies, materials science, and radiation medicine. It showcases case studies of successful projects and their

applications in industry and healthcare. The book is ideal for readers interested in the intersection of science, technology, and societal benefit.

8. *BARC's Address and Accessibility: Navigating India's Premier Nuclear Research Hub*

This practical guide provides detailed information about the location, address, and access routes to the Bhabha Atomic Research Centre in Mumbai. It includes transportation options, visitor protocols, and tips for researchers and collaborators planning to visit the centre. The book also highlights the importance of security and confidentiality in accessing such a sensitive facility.

9. *From Mumbai to the World: The Global Impact of Bhabha Atomic Research Centre*

Exploring BARC's contributions on the global stage, this book discusses international collaborations, nuclear non-proliferation efforts, and technological exchanges. It illustrates how BARC has positioned India as a key player in the global nuclear research community. The narrative also addresses future prospects and challenges in maintaining technological leadership.

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bhabha atomic research centre address: Bhabha Atomic Research Centre , 1966

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bhabha atomic research centre address: *Hollow Fiber Membrane Contactors* Anil K. Pabby, S. Ranil Wickramasinghe, Kamalesh K. Sirkar, Ana-Maria Sastre, 2020-11-23 This book on hollow fiber contractors presents an up-to-date compilation of the latest developments and milestones in this membrane technology. Hollow Fiber Membrane Contactors: Module Fabrication, Design and Operation, and Potential Applications provides a comprehensive discussion of hollow fiber membrane applications (including a few case studies) in biotechnology, chemical, food, and nuclear engineering. The chapters in this book have been classified using the following, based on different ways of contacting fluids with each other: Gas-liquid contacting; Liquid-liquid contacting; Supported liquid membrane; Supported gas membrane; Fluid-fluid contacting. Other features include: Discusses using non-dispersive solvent extraction, hollow fiber strip dispersion, hollow fiber supported liquid membranes and role of process intensification in integrated use of these processes Provides technical and economic perspectives with several case studies related to specific scenarios Demonstrates module fabrication, design, operation and maintenance of hollow fiber contactors for different applications and performance Presents discussion on newer concepts like membrane emulsification, membrane nanoprecipitation, membrane crystallization and membrane condenser Special focus on emerging areas such as the use of hollow fiber contactor in back end of nuclear fuel cycle, membrane distillation, dehumidification of air and gas absorption and stripping Discusses

theoretical analysis including computational modeling of different hollow fiber membrane processes, and presents emphasis on newly developed area of hollow fiber membrane based analytical techniques Presents discussion on upcoming area dealing with hollow fiber contactors-based technology in fermentation and enzymatic transformation and in chiral separations This book is equally suited for newcomers to the field, as well as for engineers and scientists that have basic knowledge in this field but are interested in obtaining more information about specific future applications.

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bhabha atomic research centre address: *Energy Research Abstracts* , 1991 Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

bhabha atomic research centre address: **Advances in Biological and Medical Physics**

John H. Lawrence, John W. Gofman, Thomas L. Hayes, 2013-10-22 Advances in Biological and Medical Physics, Volume 17 covers articles on the advances in biological and medical physics. The book presents articles on energy transfer dynamics; the molecular mechanism of DNA repair after ionizing radiation; and mechanisms of prereplication repair of DNA breaks in gamma-irradiated E. coli cells. The text then describes articles about damages to DNA that result in neoplastic transformation; the nature of radiation and chemically-induced lesions and the role of cellular mechanisms in cell survival and mutagenesis; as well as the nature of the target in the biological action of ionizing radiation. The gated detection and analysis of nanosecond pulse excitation and the time-profile multicomponent analysis using nonintrusive mass spectrometry are also considered. The book further tackles the technique of acoustic microscopy in biophysics and the use of electron spin echo spectroscopy in the study of biological structure and function. The text also describes radiation as an oncogen and as a cocarcinogen at the cellular level and speculates on some possible molecular and cellular mechanisms of radiocarcinogenesis. Biological and medical physicists, biologists, and chemists will find the book invaluable.

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bhabha atomic research centre address: Medical Research Centres Informa Healthcare, 1995 Focuses on research and development centers in the areas of medical and biomedical sciences including those in anatomy, biochemistry, clinical medicine, dentistry, drugs, genetics, immunology,

neoplasms, pharmaceutical technology, and surgery.

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