



Dr. Homi Jehangir Bhabha  
1909 – 1986



Government of India  
DEPARTMENT OF ATOMIC ENERGY

Recruitment of  
ENGINEERING GRADUATES AND SCIENCE POSTGRADUATES AS SCIENTIFIC OFFICERS

Through the  
BHABHA ATOMIC RESEARCH CENTRE TRAINING SCHOOLS

For the  
ACADEMIC YEAR 2023 - 24



The Department of Atomic Energy (DAE) was established through a Presidential Order on August 3, 1954, to be administered directly by the Prime Minister. The vision of DAE is to empower India by the use of technology for creation of wealth leading to a better quality of life for her citizens. DAE is engaged in the design, construction and operation of Nuclear Power/Research Reactors and the associated Nuclear Fuel Cycle Technologies covering exploration, mining and processing of nuclear ores, production of heavy water, nuclear fuel fabrication, fuel reprocessing and nuclear waste management. It is also engaged in basic cutting-edge research in frontier areas of Engineering and Science. The spin-off technologies, human resources being developed and technical services being rendered by DAE have been of great help to Indian industry. Since 1956, DAE has been recruiting Scientific Officers annually through the Bhabha Atomic Research Centre (BARC) Training Schools to drive its various nation building programmes. This advertisement is to invite applications for the recruitment of Trainee Scientific Officers (TSOs) for the 2023-24 academic session of the BARC Training Schools. After successful completion of the Training Programme, the TSOs will be absorbed as Scientific Officers in a Group-A Post of the Government of India.

#### WHY SHOULD I JOIN THE DEPARTMENT OF ATOMIC ENERGY?

**Scope of DAE Activities:** DAE offers opportunities for a career in Research in frontier areas of Engineering and Science, Design and Development of Next Generation Reactors and associated Advanced Technologies and State of the Art Manufacturing Facilities. It has expertise and comprehensive capability in all aspects of the Nuclear Fuel Cycle Technologies supported by an excellent infrastructure and unique facilities like the Research Reactors, Charged Particle and Ion Beam Accelerators, ultrashort high power Lasers etc. many of which are made available by DAE to the larger Indian scientific community through various national facilities operated by DAE at different locations across the country.

**Benefits on Absorption:** After successful completion of the Training Programme, the selected candidates will be absorbed as Scientific Officer in a Group-A Post of the Government of India in the Level 10- ₹ 56,100/- of 7<sup>th</sup> CPC Pay Matrix, Total Emoluments, with three increments at the time of joining, will be approximately ₹ 10,000/- p.m. at the present Mumbai rate. In addition, the officer would also be availing other benefits such as L.T.C, medical facilities for the Officer and his / her dependent family members, Children's Education Allowance and Professional Update Allowance. Scientific Officers in all units of DAE have ample opportunities for professional development and attractive career progression up to the highest echelons.

**Educational Opportunities:** Trainee Scientific Officers in Engineering disciplines who successfully complete the Training Programme and whose performance meets a minimum eligibility criterion are allowed to enroll for M.Tech. in Homi Bhabha National Institute (HBNI), a Deemed to be University. Those not desirous of pursuing M.Tech. or those belonging to Science disciplines are entitled to a Post-Graduate Diploma of HBNI provided their performance in the Training Programme meets a minimum eligibility criterion. The Scientific Officers of DAE are also provided with an opportunity to pursue Ph.D. under the aegis of HBNI during their professional career, provided their academic performance is above a specified threshold.

#### WHAT ARE THE RECRUITMENT SCHEMES AND THE SELECTION PROCESS?

**Orientation course for Engineering Graduates and Science Post Graduates (OCES)-2023 (Scheme-I):** This is a one-year Training Programme for Engineering Graduates or Science Postgraduates. The Training Programme is conducted in the BARC Training Schools located at BARC, Mumbai / Indira Gandhi Centre for Atomic Research, Kalpakkam / Raja Ramanna Centre for Advanced Technology, Indore / Nuclear Fuel Complex, Hyderabad / Atomic Minerals Directorate for Exploration and Research, Hyderabad. Trainee Scientific Officers (TSOs) will be paid a stipend of ₹ 55,000/- p.m. and a one-time Book Allowance of ₹ 8,000/- during the Training period.

**DAE Graduate Fellowship Scheme (DGFS)-2023 (Scheme-II):** Under this scheme, Engineering Graduates who have excelled in the Selection Interviews for the BARC Training Schools' programme and have independently secured M.Tech. admission in 2023 at DGFS Institutions selected specializations\*, will be offered a two-year DAE Graduate Fellowship. DGFS Fellows will be reimbursed their tuition fee during M.Tech. and additionally, be paid a stipend of ₹ 55,000/- p.m. and a Contingency grant of ₹ 40,000/- per annum for two years towards M.Tech. project related expenses. On successful completion of M.Tech. the DGFS Fellows would join BARC and IGCAR as Scientific Officers, with additional increments (subject to conditions) & IIT Bombay & IIT Madras are under consideration.

The selection procedure, which is common for both schemes, has two stages. An initial screening will be done either by a valid GATE-2022 / GATE-2023 score in the applicable GATE discipline or by performance in an Online Test to be conducted in 1<sup>st</sup> April to 3<sup>rd</sup> April, 2023. As cut-off GATE scores for screening into Selection Interviews will be decided only after the Online Test has concluded, candidates are advised to maximize their chances of being screened into the Selection Interview stage by assailing both the screening avenues detailed above. In the second stage, the screened candidates will be called for Selection Interviews to be held in Mumbai and Hyderabad\* during May-June, 2023. Final Selection is solely on the basis of performance in Selection Interview, subject to medical fitness. \*Only for Geology.

#### WHAT ARE THE QUALIFYING DEGREES? HOW DO I APPLY?

A minimum of 60% aggregate (or minimum of 6.0 CGPA on the scale of 10.0 or equivalent) as per the ordinances of the respective university, in the qualifying degree is an essential eligibility requirement. Science postgraduates are further required to have secured a minimum of 60% aggregate in B.Sc. to make them eligible. The eligible disciplines and degrees are as follows:

- **For Engineering Disciplines:** B.E. / B.Tech. / B.Sc.(Engg.) / 5-year Integrated M.Tech. in Mechanical, Chemical, Metallurgical\* / Materials\*, Civil, Electrical\*, Electronics\*, Instrumentation\* Engineering, Computer Science / Computer Engineering / Computer Science & Engineering, Nuclear Engineering / Nuclear Technology / Nuclear Science & Technology.
- **For Science Disciplines:**
  - (a) M.Sc. in Physics, Applied Physics, Chemistry, Biotechnology\*
  - (b) M.Sc. / equivalent M.Tech. in Geology, Applied Geology, Applied Geochemistry, 5-Year Integrated M.Tech. in Geological Technology,
  - (c) B.E. / B.Tech. in Engineering Physics.

\* Applicants in these disciplines may refer the Information Brochure on the Online Application Portal for list of eligible degrees and disciplines.

To apply online, applicants should visit the website <https://www.barcosexam.in> and follow the instructions mentioned therein.

Website will also provide additional detailed information, including eligibility conditions, for the present recruitment. DAE strives to have a workforce that reflects gender balance and women candidates are encouraged to apply.

**Other Opportunities:** Candidates applying for OCES/DGFS-2023 may be considered for direct recruitment in Electronics Corporation of India Limited (ECIL) and Institute of Plasma Research (IPR). Such candidates will be governed by stipendiary norms of ECIL and IPR and terms and service conditions of ECIL and IPR on absorption.



ONLINE APPLICATION PROCESS (REGINS): February 1, 2023\*\*

ONLINE APPLICATION PORTAL: <https://www.barcosexam.in>

LAST DATE FOR REGISTERING ONLINE APPLICATION: March 2, 2023\*\*

LAST DATE FOR SUBMITTING APPLICATION: March 3, 2023\*\*



**DISCLAIMER:** In all matters concerning the OCES/DGFS-2023 recruitment, the decision taken by the Competent Authority in BARC, Mumbai shall be final and binding on the Applicants and they shall abide by the decision in entirety. The Applicants while representing the matter shall not directly approach the Courts and will wait till the outcome of the decision by the Competent Authority in BARC. In case of any dates or disputes arising with respect to the OCES/DGFS-2023 recruitment, the venue of such proceedings, suit, action, or proceedings arising out of or related thereto will be governed / established in accordance with the laws of Republic of India subject to exclusive jurisdiction of the courts of Mumbai, India.

\*\*All dates are tentative and applicants are advised to regularly visit the website <https://www.barcosexam.in> for updates

