



Dr. Homi Jehangir Bhabha
1909 - 1966



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 2017 - 18



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 resource 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 BARC Training Schools** to drive its various nation building programs. This advertisement is to invite applications for the recruitment of Trainee Scientific Officers (TSOs) for the 2017-18 academic session of the BARC Training Schools. After successful completion of the Training Program, **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?

WHAT ARE THE RECRUITMENT SCHEMES AND THE SELECTION PROCESS?

WHAT ARE THE QUALIFYING DEGREES? HOW DO I APPLY?

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 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.

OCES-2017 (Scheme-I): This is a one-year Training Program for Engineering Graduates or Science Postgraduates. The Training Program 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 ₹ 35,000 p.m and a one-time Book Allowance of ₹ 10,000 during the Training period.

A minimum of 60% aggregate, 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:

Benefits on Absorption: After successful completion of the Training Program, the selected candidates will be absorbed as Scientific Officers in a Group-A Post of the Government of India in the Level 10 - ₹ 56,100 of 7th Central Pay Commission Pay Matrix. Total Emoluments, with three increments at the time of joining, will be approximately ₹ 63,000 p.m. plus TA & HRA, as per 7th Central Pay Commission. In addition, the officer would also be availing of 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.

DGFS-2017 (Scheme-II): Under this scheme, Engineering Graduates or Physics Postgraduates who have secured M.Tech./M.Chem. Engg. admission in 2017 in one of the Institutes listed below, in specified disciplines, will be offered a two-year DAE Graduate Fellowship. DGFS Fellows will be reimbursed their tuition fee during M.Tech./M.Chem. Engg. and additionally be paid a stipend of ₹ 35,000 p.m., a one-time Book Allowance of ₹ 10,000 and a Contingency grant of ₹ 25,000 towards M.Tech./M.Chem. Engg. project related expenses. **DGFS Institutes:** IIT - Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras, Roorkee and BHU-Varanasi, NIT-Rourkela and Institute of Chemical Technology (ICT)-Mumbai. On successful completion of M.Tech./M.Chem.Engg., the DGFS Fellow would join DAE as a Scientific Officer, with additional increments (subject to conditions).

- **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, Nuclear Engineering/Nuclear Technology/Nuclear Science & Technology.
- **For Science Disciplines:**
 - (a) M.Sc. in Physics, Applied Physics, Chemistry, Biosciences*, Geophysics, Applied Geophysics.
 - (b) M.Sc./equivalent M.Tech. in Geology, Applied Geology, Applied Geochemistry, 5-Year Integrated M.Tech. in Geological Technology, Geophysical Technology.
 - (c) B.E./B.Tech. in Engineering Physics or B.E./B. Tech./B. Sc. (Tech.) in Food Technology.

Educational Opportunities: Trainee Scientific Officers who successfully complete the Training Program and whose performance meets a minimum eligibility criterion may enroll for M.Tech./M.Phil. in Homi Bhabha National Institute (HBNI), a Deemed to be University. 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.

The selection procedure, which is common for both schemes, has two stages. An initial screening will be done either by a valid GATE-2016/GATE-2017 Score in the applicable GATE discipline or by performance in an Online Test to be conducted in March, 2017. 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 *availing both the screening avenues detailed above*. In the second stage, the screened in candidates will be called for Selection Interviews to be held in Mumbai and Hyderabad# during May-June 2017. Final Selection is solely on the basis of performance in Selection Interview, subject to medical fitness. #Only for Geology & Geophysics.

* 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 <http://www.barconlineexam.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 woman candidates are encouraged to apply.

Other Academic Opportunities: A merit list created out of the Interview Marks during the present recruitment may also be used in the future to offer admission to M.Sc.(Engg.)/Ph.D. or Diploma in Radiological Physics programs of BARC under the aegis of HBNI in the academic year 2017-18. M.Sc.(Engg.)/Ph.D. students selected through this process, will be paid a Fellowship/Stipend for the duration of their academic program. No permanent employment with DAE is assured to such Research Fellows.

ONLINE APPLICATION PORTAL: <http://www.barconlineexam.in>

ONLINE APPLICATION PROCESS BEGINS: JANUARY 23, 2017**

LAST DATE FOR SUBMITTING ONLINE APPLICATION: FEBRUARY 14, 2017**

LAST DATE FOR UPLOADING GATE SCORE: APRIL 2, 2017**

****All Dates are tentative and applicants are advised to regularly visit the website www.barconlineexam.in for updates**

