



Government of India

Department of Atomic Energy (DAE)

Recruitment of Engineering Graduates and Science Postgraduates as Scientific Officers Bhabha Atomic Research Centre Training Schools

First Announcement (2015-16)



Dr. Homi Jehangir Bhabha

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 the Department of Atomic Energy (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 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 for the 2015-16 academic session of the BARC Training Schools.

Why should I join DAE?

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 technology supported by an excellent infrastructure and unique facilities like research Reactors, charged particle Accelerators, ultra short 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.

After successful completion of the Training Program, the selected candidates will be absorbed as Scientific Officers in Group-A Post of Government of India in the Pay Band-III ₹ 15,600-39,100 with Grade Pay ₹ 5,400 with additional increments. Total Emoluments, with three increments at the time of joining, will be approximately ₹ 61,000 p.m., at the present Mumbai rate (upward pay revision is under consideration of the 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.

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 any time during their professional career, provided their academic performance is above a specified threshold.

What are the recruitment schemes?

OCES-2015 (Scheme-I): This is a one-year Training Program for Engineering Graduates (B.E. / B. Tech. / B.Sc. - Engg. / 5 - year Integrated M.Tech.) or Science Postgraduates (M.Sc.). 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, Hyderabad. Trainee Scientific Officers (TSOs) will be paid a stipend of ₹ 20,000 p.m. and a one-time Book Allowance of ₹ 10,000 during the Training period.

DGFS-2015 (Scheme-II): Under this scheme, Engineering Graduates (B.E. / B.Tech. / B.Sc. - Engg.) or Physics Postgraduates (M.Sc.) who have secured M.Tech. / M.Chem.Engg. admission in 2015 in one of the following Institutes, 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 ₹ 20,000 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).

The selection procedure, which is common for both schemes, has two stages.

An initial screening will be done either by a valid GATE-2014 / GATE-2015 Score or by performance in an Online Test to be conducted in March, 2015. 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 2015. **Final Selection is solely on the basis of performance in Selection Interview, subject to medical fitness.**

What are the qualifying degrees?

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:

- **For Engineering Disciplines:** B.E. / B. Tech. / B. Sc. (Engg.) / 5-year Integrated M.Tech. in Mechanical, Chemical, Metallurgical, Civil, Electrical, Electronics, Instrumentation Engineering, Computer Science / Computer Engineering.
- **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

Bioscience applicants may refer 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 on the present recruitment.

DAE strives to have a workforce that reflects gender balance and female candidates are especially encouraged to apply.

Other Academic Opportunities: A merit list created out of the Interview Marks during the present recruitment will be also used in the future to offer admission to M. Tech. / Ph.D. or Diploma in Radiological Physics programs of BARC under the aegis of HBNI in the academic year 2015-16. M. Tech. / Ph.D. students will be paid a Fellowship / Stipend for the duration of their academic program. No permanent employment with DAE is assured to such Research Fellows.

Web Address of Online Application Portal: <http://www.barconlineexam.in>

Launch of Online Application Portal: January 6, 2015; Last Date for submitting Online Application: February 6, 2015; Last Date for Uploading GATE Score: March 27, 2015

Size: 33cm (W) x 25cm (H) = 825 Sqcm