



Government of India
Bhabha Atomic Research Centre
Human Resource Development Division
Anushaktinagar, Mumbai - 400094

Applications are invited from Engineering Postgraduates for Admission to DGFS-Ph.D. Programme (2019) under the Aegis of Homi Bhabha National Institute

Last date for receipt of application is 05/07/2019



सत्यमेव जयते
Government of India

Human Resource Development Division (HRDD), Bhabha Atomic Research Centre (BARC) Invites applications from Engineering post-graduates (M. E. / M. Tech. /Equivalent Degree) for admission to DGFS-Ph.D. programme under the aegis of Homi Bhabha National Institute (HBNI) commencing from August, 2019. The selected students will be admitted to one of the following Constituent Institutions of HBNI:

- (1) Bhabha Atomic Research Centre (BARC), Mumbai;
- (2) Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam;
- (3) Institute for Plasma Research (IPR), Gandhinagar;
- (4) Variable Energy Cyclotron Centre (VECC), Kolkata.

These centres have been in the forefront of research in various branches of engineering viz. chemical, civil, computer, electrical, electronics, instrumentation, mechanical, metallurgical and nuclear. Several state-of-the-art laboratories and research facilities are unique to these institutions. The Ph.D. Programme in Engineering Sciences is extremely challenging in view of the expanding Nuclear Power Programme of the Department of Atomic Energy. For the motivated candidates, it offers considerable scope to realize their potential while simultaneously contributing to the important task of nation building in this highly specialized area.

The selected students will be awarded fellowships under the DAE Graduate Fellowship Scheme (DGFS-Ph.D.) for pursuing Ph.D. under the aegis of HBNI. The other terms and conditions are:

1. The DGFS-PhD fellowship is tenable for three years. Any further extension is based on the progress made in PhD programme and recommendations of the Competent Authority. In any case, no extension will be given beyond five years.
2. The amount of fellowship payable under the scheme is Rs. 40,000/- pm (Rupees Forty Thousand Only) besides house rent allowance and medical benefits as per rules & an annual contingency grant up to Rs. 32,000/- (Rupees Thirty Two Thousand only).
3. The selected fellows will carry out research under the joint supervision of two guides, one having strength in basic research and the other in technology development.
4. One has to make own arrangement for accommodation.

ELIGIBILITY

- a. **Qualifying Degree and other academic qualifications:** Candidates should possess M.E. / M.Tech. or equivalent postgraduate degree in chemical/computer/electrical/electronics/instrumentation/mechanical/metallurgical/nuclear engineering with minimum 60% Marks. In addition to this, the student should have 60% marks in B. E. /B. Tech. or any other degree considered to enter M.E. / M.Tech. programme. The 'qualifying 60% marks' should be as per the ordinance of the respective degree awarding university OR equivalent of cumulative grade point average CGPA (converted to % Marks by multiplying with 100/x if the CGPA is on x points scale).
- b. **Age limit:** The candidates desirous of availing DGFS-Ph.D. fellowship should have been born on or after August 1, 1991. Age limit is relaxable by three years for OBC and by five years for SC/ST applicants.

Persons with Disability (PWD) of all categories are eligible for further age relaxation of 10 years. The age limit for the candidates working as faculty in Engineering Colleges is 40 years, who desire to pursue Ph.D. without the fellowship grant.

c. **Nationality:** Applicant should be an Indian citizen.

SELECTION PROCESS

Applicants who fulfill the above mentioned eligibility criteria will appear in a written screening test to be held at 12 centres across India on July 20, 2019 (tentative). Candidates will be shortlisted for selection interview based on performance in the screening test as well as previous academic record. There will be 25% weightage for B.E./B.Tech. percentage, 25% weightage for average of M.E./M.Tech. Semester-I and Semester-II percentages and 50% weightage for percentage in the BARC Screening Exam. The final selection will be based on performance in the interview only. The candidates should be prepared for a 10 minutes presentation on their research interest during Interview. Outstation applicants called for interview will be paid to and fro sleeper class train fare on production of tickets by shortest route, or actual fare, whichever is less.

EXAM RELATED INFORMATION

Question Paper in each discipline will comprise 50 questions with four choices (A, B, C or D) only one of which will be the correct answer. A candidate who chooses the correct answer will get 3 marks whereas a candidate who chooses a wrong answer will get -1 marks. A candidate who does not attempt a question will get 0 marks for that question. The duration of the exam will be 90 minutes.

Candidates are not permitted to bring a calculator, mobile phone, smart watch, earphone, pen etc. or any other Electronic device inside the Examination Hall. Candidates should report for the written examination in simple clothing such that both the ears, neck, head and hands should be visible. Jackets, Coats, Overcoats, dress shirts/external wear with hood/large sleeves, wear with fancy buttons and/or with too many pockets, etc. are not allowed to be worn in the examination hall. Candidates are also advised not to wear ornamental outfits and jewelry while reporting to the examination hall. **Ball pen will be provided for writing on OMR sheet to the candidates in the examination hall.**

HOW TO APPLY

Only Online Applications will be accepted. Candidates must visit this website and fill the Online Application form in the period June 10, 2019 to July 5, 2019.

IMPORTANT DATES

Launch of Online Application Portal	June 10, 2019
Last Date for Online Application	July 5, 2019
Download of Admit Cards	From July 13, 2019 onwards
Screening Examination	July 20, 2019 (Tentative)
Declaration of List of Candidates shortlisted for Selection Interview	July 27, 2019
Selection Interviews	August 10, 2019
Declaration of List of Selected Candidates	August 17, 2019

- **For online application visit the website <https://barcphd19.net>**