

DEPARTMENT OF ATOMIC ENERGY OFFER AN EXCELLENT CAREER OPPORTUNITY !

On the occasion of the Birth Centenary of Dr K. S. Krishnan,
the Board of Research in Nuclear Sciences (BRNS)
of the Department of Atomic Energy (DAE) introduces a prestigious scheme
called 'Dr K. S. Krishnan Research Associateship'.

Under this scheme up to 20 Research Associates would be inducted every year with the possibility of getting absorbed in one of the R&D organizations of the DAE against regular vacancies based on their performance and evaluation during the period of their associateship. The associateships are available in the following broad disciplines.

SCIENCE

*Physical and Chemical Sciences
Radiation and Environmental Sciences
Life, Medical and Agricultural Sciences*

ENGINEERING

*Chemical Engineering
Civil Engineering
Computer Science and Engineering
Electrical and Electronics Engineering
Mechanical Engineering
Metallurgical Engineering*

Selected associates will be given the opportunity to work on programmes relevant to the DAE mandate in one of the following advanced laboratories of the Department.

1. Bhabha Atomic Research Centre (BARC), Trombay, Mumbai.
2. Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam.
3. Centre for Advanced Technology (CAT), Indore.
4. Variable Energy Cyclotron Centre (VECC), Calcutta.

BRNS invites applications for the award of 'Dr K. S. Krishnan Research Associateship' in any one of the above disciplines as per the following instructions.

ELIGIBILITY

- a) Minimum Educational Qualification and Experience.
- i. SCIENCE: Ph D degree in the relevant subject.
 - ii. ENGINEERING: Masters degree in Engineering or Technology with 2 years experience in research, design, development or field work OR Ph D in the relevant subject.

Those who have submitted the doctoral thesis and are awaiting results may also apply.

Candidates must have an excellent academic record throughout their career.

b) Age: Not more than 30 years as on 1 October 1999. Relaxable by 5 years for SC/ST candidates and 3 years for OBC candidates.

c) Nationality: Indian

SELECTION PROCEDURE

Eligible candidates will be called to appear for an interview in Mumbai. Preference will be given to those candidates whose research interest and work experience has relevance to the mandate of DAE. Outstation candidates will be paid sleeper class train fare or actual fare, whichever is lower. Candidates are advised to come prepared to stay in Mumbai for 2 to 3 days as a few shortlisted candidates will be asked to undergo a comprehensive medical examination on the day following the interview. Final selection will be made from among the shortlisted candidates found medically fit.

APPOINTMENT, PLACEMENT AND CAREER DEVELOPMENT

The candidates selected for the award of 'Dr K. S. Krishnan Research Associateship' would be appointed for a period of one year and based on their actual performance, they may be permitted to continue their Associateship for 2nd year. The Research Associates will be paid a consolidated sum of Rs 10,500/- per month and other benefits (Medical benefits and Casual leave). Hostel accommodation during the period of Associateship will be provided. Selection of Dr K. S. Krishnan Research Associates will be done by Committees appointed by BRNS. During the period of associateship, the concerned DAE unit, where they are working will evaluate their performance and if found suitable, recommend them for an appropriate position in the DAE. Appointment will be subject to availability of vacancies and recommendation of an appropriate DAE selection committee based on an interview. Appointment in a unit of DAE will be in the pay scale: Scientific Officer/Engineer-D (Rs 10,000-325-15,200). Award of additional increments will also be possible. Exceptionally brilliant candidates with excellent track record in advanced technologies of relevance to DAE and having a Ph D may be considered for the pay scale: Scientific Officer/Engineer-E (Rs 12,000-375-16,500).

Total emoluments at present in the minimum of the scale inclusive of House rent and Transport allowances (if applicable) in a Class-A city are Rs 17,300/- for Scientific Officer/Engineer-D and Rs 20,540/- for Scientific Officer/Engineer-E.

HOW TO APPLY

- a. The application should be submitted on a plain paper as per the proforma given in the advertisement preferably typewritten. Affix a passport size photograph with signatures across on the application form (Top right corner) and attach one spare photograph.
- b. Attach only the photocopies of the following documents or certificates duly attested by a Gazetted Officer/Head of

the Institute (Do not enclose original certificates with the application).

- i. CBSE/HSC/SSC/Matriculation certificate in proof of date of birth.
 - ii. All degree certificates and mark sheets in support of qualifications.
 - iii. Certificate to support the claim of belonging to SC/ST/OBC.
- c. Enclose a self-addressed envelope (15 × 25 cm) affixing Rs 6 stamps and a Postal Order/Demand Draft of Rs 50/- drawn in favour of Accounts Officer, BARC payable at Mumbai towards application fee. SC/ST and Wards of Defence Personnel killed in action are exempted.
- d. Persons working under the Central/State Government/Public Sector Undertakings should submit their application through proper channel.
- e. Send application by Registered Post with Acknowledgement to reach the following address on or before 10 June 1999 indicating the advertisement No. on the envelope: **Deputy Establishment Officer (R-IV), Bhabha Atomic Research Centre, 4th Floor, Central Complex, Trombay, Mumbai 400 085.**

A BRIEF NOTE ON BOARD OF RESEARCH IN NUCLEAR SCIENCES

Board of Research in Nuclear Sciences (BRNS) is an advisory body to recommend financial assistance to universities/institutions/laboratories with the objective to encourage and promote scientific research in areas of relevance to the mandate of the Department of Atomic Energy (DAE). BRNS plays a vital role in strengthening collaboration with educational institutions/universities to meet the scientific and the technological needs of the Department.

Main mandate of DAE is the production of safe and economical nuclear power, using indigenous uranium and thorium resources. Towards this end, it is involved in developing, in stages, pressurized heavy water reactors, fast breeder reactors, advanced thorium reactors with associated fuel cycle systems.

It builds research reactors for production of radio-isotopes and carries out programmes on isotope and radiation technology applications in medicine and agriculture and industry.

It develops advanced technology in areas like accelerators, lasers, control and instrumentation, computers, biotechnology, information technology and materials technology, etc. and also encourages technology transfers to other users and industry.

It supports basic research in nuclear energy and related frontier areas of science.

PROFORMA FOR 'DR K. S. KRISHNAN RESEARCH ASSOCIATESHIP'

1. Category applied for: Ph D (Science) or Ph D (Engg) or Masters in Engineering with 2 years experience
2. Area of specialization _____
(Enclose separate sheets indicating discipline and giving a brief description, max. 500 words, of the work done for Ph D or 250 words for the project work done for masters in Engg and 250 words to describe the work done after masters. For candidates who have not done project work during masters, description of only work experience may be given.)
3. Full name in capital letters
4. Nationality
5. Date of Birth
6. Postal address including telephone no, fax no and email address if available.
7. Whether belong to SC/ST/OBC
(If answer is yes please attach a copy of the relevant document)
8. Details of educational qualifications beginning with the latest degree. Give branch of specialization, Institute/University, Year of passing and marks obtained.
9. List of research publications (in the following format: title, authors, name of the journal/conference proceedings, volume, page). Please enclose up to five selected reprints.
10. Name and address of two referees who are familiar with the work done by the candidate.
11. DD No., Name and branch of the Bank/Postal Order No.
12. List of documents attached

DECLARATION

1. I hereby declare that all the statements made in the application are true to the best of my knowledge and belief.
2. I am aware that my application is liable to be rejected, if the information given above is incomplete or found to be incorrect.

Date:
Place:

Signature of the candidate

**Government of India
Department of Atomic Energy
Board of Research in Nuclear Science
Trombay, Mumbai 400 085**