

**DEPARTMENT OF ATOMIC ENERGY (DAE)
BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)**

Invites applications for the 3rd batch of its Prestigious Scheme

DR K.S. KRISHNAN RESEARCH ASSOCIATESHIP (KSKRA)

With provision of absorption in a DAE research centre

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.

Subject	Subject Code Number
Engineering: Chemical Engineering	01
Computer Science and Engineering	02
Electrical Engineering	03
Electronics Engineering	04
Mechanical Engineering	05
Metallurgical Engineering	06
Structural Engineering	07
Science: Physical Sciences	08
Chemical Sciences	09
Radiation Sciences	10
Environmental Sciences	11
Life Sciences	12
Medical Sciences	13
Agricultural Sciences	14

Eligibility

- a) *Minimum educational qualification and experience:* All candidates must have an excellent academic record throughout their career.
- i) Ph.D. degree in Science/Engineering. Those who have submitted the doctoral thesis may also apply.
or
 - ii) Masters degree in Engineering with 2 years experience in Research & Development after obtaining the Master's degree.
- b) *Age:* Not more than 30 years as on 31st March 2001. The date of birth should be 1st April 1971 or later. The age criterion is relaxable by 5 years for SC/ST candidates and 3 years for OBC candidates.
- c) *Nationality:* Indian

Appointment, placement and career development

Selection will be done by Committees appointed by BRNS. The candidates selected for the award would be appointed as Research Associates for an initial period of one year and based on their actual performance, they may be permitted to continue their Associateship for 2nd year. Associates will be

paid a consolidated sum of Rs 10,500 per month. Associates will be provided hostel accommodation, medical benefits and casual leave. 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. Absorption will be subject to concurrence of an appropriate DAE selection committee based on an interview and availability of vacancies. Appointment will be in the pay scale of 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 higher pay scale of Scientific Officer/Engineer-E (Rs 12,000–375–16,500). Total emoluments at present in the minimum of the pay scale inclusive of House Rent and Transport Allowances (if applicable) in a Class-A city are Rs 18,550 for Scientific Officer/Engineer-D and Rs 22,010 for Scientific Officer/Engineer-E.

Payment of Book Allowance during the period of Associateship is under consideration.

Associates will be given the opportunity to work on programmes relevant to the DAE mandate in one of the following advanced research centers 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.

How to apply

- a) The application should be preferably typewritten on a plain paper as per the proforma given in the advertisement. Affix a passport size photograph on the top right corner of the application and plus attach one spare photograph. Append your signatures across both the photographs.
- 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).
- c) All degree certificates and mark sheets in support of qualifications.
- d) CBSE/HSC/SSC/Matriculation certificate in proof of date of birth.
- e) SC/ST/OBC certificate, if applicable.
- f) Enclose a 15 × 25 cm self-addressed envelope with Rs 6 stamps.
- g) Postal Order/Demand Draft of Rs 100 as application fee drawn in favour of Accounts Officer, BARC payable at Mumbai. SC/ST and Wards of Defense Personnel killed in action are exempted.
- h) Persons working under the Central/State Government/Public Sector Undertakings should submit their application through proper channel.
- i) Send application by Registered Post with Acknowledgement Due Card to the Deputy Establishment Officer (R-IV), Bhabha Atomic Research Centre, 4th Floor, Central Complex, Trombay, Mumbai 400 085.
- j) On the left hand corner of envelope please clearly mark your Subject Code Number and inscribe KSKRA-3rd Batch.
- k) **The last date for receipt of application is Tuesday the 31 October 2000.**

Selection procedure

Applications will be screened and candidates found suitable 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 (ordinary) 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.

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, and advanced thorium reactors with associated fuel cycle systems. It builds research reactors for production of radioisotopes 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, 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. Subject & Subject Code Number
2. Full name in capital letters
3. Nationality
4. Date of birth: DD–MM–YYYY
5. Postal address including telephone no., fax no. and email address should be written very clearly and legibly
6. Whether belong to SC/ST/OBC: YES/NO (If answer is yes, please attach a copy of the relevant document)
7. Name and address of two referees who are familiar with the work done by the candidate
8. DD no., name and branch of the bank/Postal Order no.
9. List of documents attached.

Please provide information for the following three annexes on one sheet each:

Annex-1: Educational qualifications: beginning with the latest degree in a table format with the following columns: Branch of specialization, Name of institute/university, Year of passing, Marks obtained. Those who have submitted thesis for award of Ph.D. and have not been awarded Ph.D. may give date of submission of thesis.

Annex-2: Field of research: give title of thesis, specific area of discipline, 5 keywords that describe your work and a brief description of the research work done for Ph.D. (max. 500 words) **or** for the project work done for master's in Engineering (max. 250 words) and the R&D work done after master's (max. 250 words). For candidates who have not done project work during master's, description of only work experience may be given.

Annex-3: List of research publications: give publication details on single sheet in the following format: Title, Authors, Name of the journal/conference proceedings, Volume, Page nos. Enclose up to five selected reprints.

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