DEPARTMENT OF ATOMIC ENERGY (DAE)
BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)
Invites Applications for its Prestigious Scheme

DR. K. S. KRISHNAN RESEARCH ASSOCIATESHIP (KSKRA)
For a challenging career in pursuit of front ranking R&D programmes in Atomic Energy

A maximum of 20 Research Associates are awarded under KSKRA every year. The candidates selected for the award are appointed as Research Associates (RA) for an initial period of one year, which is extendable by one more year based on performance during the first year. Associates are given the opportunity to work on programmes relevant to the DAE mandate in one of the following advanced research centres of the Department:

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

RAs are generally appointed as Scientific Officer/Engineer-D (Rs 10,000–325–15,200) subject to satisfactory performance during the Associateship as evaluated by the DAE unit concerned. Additional increments are also awarded depending upon qualification, experience and performance during the Associateship. 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 12,000–375–18,500). Total emoluments at the minimum of the pay scale inclusive of Basic and Dearness Pay, Dearness, City Compensatory, House Rent and Transport Allowances (if applicable) in a Class-A1 city as on 1 January 2005 are Rs 23,800 for Scientific Officer/Engineer-D and Rs 28,310 for Scientific Officer/Engineer-E. A comprehensive Contributory Health Service Scheme (CHSS) for employees and their dependent family members is also available.

ELIGIBILITY CRITERIA
The associateships are available in the following broad disciplines:

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(a) Minimum educational qualification and experience

(i) For engineers: Ph.D. degree in engineering (those who have submitted thesis for Ph.D. may also apply) or Master’s degree in engineering (M.Tech./M.E.) with 2-year R&D experience after obtaining M.Tech./M.E. degree.

(ii) For scientists: Ph.D. degree in science (those who have submitted thesis for Ph.D. may also apply).

All candidates must have a first class at either Masters or Bachelors level. Candidates must provide a list of publications in support of their R&D experience.

b) Nationality/age

Indian not more than 32 years as on 1st January in the year of the application. The age criterion is relaxable by 5 years for SC/ST candidates and 3 years for OBC candidates. The SC/ST/OBC certificate should be as per the prescribed format.

SELECTION PROCESS

Selection will be done by an interview (by a committee appointed by BRNS) of short listed candidates based on their qualification and published R&D work. Associates will be paid a consolidated sum of Rs 12,000 per month. In addition Rs 10,000 per year will be paid as Educational Material Allowance. Associates will be provided hostel accommodation, medical and leave benefits during the associationship.

HOW TO APPLY

(a) The application should be preferably typewritten on a plain paper as per the pro-forma given in the advertisement for only one of the subjects listed above. Multiple applications received would be rejected.

(b) Attach only the photocopies of the following documents/certificates duly attested by a Gazetted Officer/Head of the Institute (do not enclose original certificates).

(i) All degree certificates and mark sheets starting with the eligibility qualification (for example Ph.D.) certificate.

(ii) GATE score, GATE subject and GATE exam year or NET qualification (optional).

(iii) Proof of date of birth, e.g. CBSE/HSC/SSC/matrículation certificate.

(iv) SC/ST/OBC certificate, if applicable, as per the prescribed format.

(c) Enclose 3 envelopes (size 5” x 7”) with complete addresses including PIN code: One envelope for self and one each for the two referees who are familiar with your work.

(d) Affix one passport size photograph on the top right corner of the application and enclose one spare photograph inside the envelope indicated at ‘c’ above. Append your signatures across both the photographs.

(e) Postal order/demand draft of Rs 100 as application fee drawn in favour of Accounts Officer, BARC payable at Mumbai. SC/ST and dependents of Defence Personnel Killed In Action (DODPKIA) are exempted.

(f) Persons working under the central/state government/public sector undertakings should submit their application through proper channel.

(g) Send application by registered post with acknowledgement due card to the deputy establishment officer (R-I), Bhabha Atomic Research Centre, 4th floor, Central Complex, Trombay, Mumbai 400 085.

(h) On the left hand corner of envelope please clearly mark your subject code number and inscribe KSKRA with application due date.

(i) Applications will be received throughout the year. Selection interviews will be held twice every year.

(j) The applicants who submit their applications by 31 March will be called for interview in June and those who submit their applications by 30 September will be called for interview in December of the same year.

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 less. Candidates are advised to come prepared to stay in Mumbai for 2 to 3 days as a few short listed candidates will be asked to undergo a medical examination on the day following the interview. Final selection will be made from among the short listed candidates found medically fit.

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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 and subject code number
2. Full name in capital letters (underline the portion of name you are generally known by)
3. Nationality
4. (a) Date of birth (DD–MM–YYYY)
   (b) Sex: Male/female
   (c) Marital status
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. (a) Whether applied earlier for KSKRA: YES/NO
   (b) If answer for 9(a) is ‘yes’, give date of application:
10. GATE Score, GATE subject and GATE exam year or NET qualification (optional).
11. List of documents attached. Please also attach Annexes 1, 2, 3 and 4 as indicated below.
12. Declaration: I hereby declare that all the statements made in the application are true to the best of my knowledge and belief and I am also 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

Please provide information on one page each for the following four annexes:

Annex 1: Educational qualifications: Beginning with the latest degree in a table format with the following columns: Branch of specialization; Name of institute/university/board; Year of passing; Percentage marks obtained; subjects taken. Those who have submitted thesis and have not been awarded Ph.D. shall give date of submission of their Ph.D. thesis duly supported with documentary proof from the Registrar of the University/Institute.

Annex 2: Field of research: Give title of thesis, specific area of discipline, 5-key words 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 Masters in Engineering (max. 250 words) and the R&D work done after Masters (max. 250 words). For candidates who have not done project work during masters, only work experience details 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.

Annex 4: A write up giving details about your current assignment and nature of work being carried out by you.

Note: Please retain a ‘photocopy’ of your application with Annexes 1 to 4. Later on you may be required to submit additional copies of your application with the annexes (but without enclosures such as certificates/reprints).

Next due date for receipt of applications: 30 September 2005

For latest information visit BARC website: http://www.barc.ernet.in/webpages/brns/brns_fellowship.html