



Government of India
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) – 26th Batch

For a challenging career in pursuit of front ranking R&D programmes in Atomic Energy

Advertisement No. 01/2017/(R-IV)

Last date for receipt of applications: **31 May 2017**

Research Associates selected under the prestigious KSKRA programme are given an opportunity to work on R&D programmes of national importance relevant to the DAE mandate and offers prospects of regular absorption in DAE units.

This year, 10 KSKRAs will be selected in the following broad disciplines, e.g. Physical Sciences, Chemical Sciences, Biosciences and Engineering Sciences with the Areas of Specialization indicated in the table below. KSKRAs are paid a stipend of Rs 40,000 + other benefits for a maximum period of 2 years. Anytime during the 2nd year of Associateship, subject to satisfactory performance, the KSKRAs will be absorbed in BARC, Mumbai and appointed in the grade of Scientific Officer/Engineer-D/E.

Details of Application Code for KSKRA Application

Sl. no.	KSKRA Code (to be mentioned by the applicant)	Area of Specialization	Discipline
1	KS-17/MG/26/1	Studies of alloys using 3 dimensional atom probe analysis (3DAP)	Physics/Metallurgy/Chemistry
2	KS-17/MG/26/2	Phase transformation studies using focused ion beam and transmission electron microscopy	Physics/Metallurgy/Chemistry
3	KS-17/RDDG/26/3	Thermal hydraulic analysis; Heat and mass transfer formulations	Mechanical
4	KS-17/PH/26/4	Astrophysical studies of very high energy (GeV-TeV, VHE band) gamma ray sources	Astrophysics/Physics
5	KS-17/PH/26/5	Accelerator physics with hands on experience on accelerator related development activities	Physics/Electrical/Electronics
6	KS-17/RCIG/26/6	Speciation and migration of metal ions in geo-sphere including geochemical modeling	Chemistry/Geochemistry/Soil Science
7	KS-17/BS/26/7	Food processing and quality assurance	Food Technology/Food Science
8	KS-17/BS/26/8	Computational biology and bio-informatics	Bio-Science
9	KS-17/CH/26/9	Pre-clinical screening of anti-cancer drug formulations	Biochemistry/Pharmacology/Zoology
10	KS-17/CH/26/10	Bio-fouling in sea water involvement and marine ecology	Marine Biology/Life Sciences

(Contd)

Eligibility criteria:

(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. However, Ph.D. degree certificate should be submitted within a period of six months of joining as Research Associate) **or** Master's degree in Engineering (M.Tech./M.E./M.S.) with a minimum of 2-year R&D experience after obtaining M.Tech./M.E./M.S. degree.

(ii) **For Scientists:** Ph.D. degree in Science (Those who have submitted thesis for Ph.D. may also apply. However, Ph.D. degree certificate should be submitted within a period of six months of joining as Research Associate).

All candidates with respect to point (i) & (ii) must have minimum 60% marks at both Bachelors and Masters levels.

(iii) DGFS Ph.D. candidates are eligible to apply for the above posts and will be called for interview, if found suitable.

(B) **Nationality/Age:** Indian nationals, not more than 32 years age as on 1 January 2017. 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. Physically challenged persons are eligible for age relaxation of 5 years.

Other details of selection and appointment

After the last date of submission of application, a discipline wise list of applicants will be prepared, and based on their inter se merit, short-listed candidates will be called for interview at Mumbai. Selection will be done by an interview committee from among the short-listed candidates based on their qualification, published R&D work and performance in the interview. The selected candidates would be appointed as KSKRA for an initial period of one year, which is extendable by one more year based on the performance during the first year. KSKRAs would be paid a monthly stipend of Rs 40,000 + other benefits. Selected candidates who have submitted their Ph.D. thesis but are yet to receive their Ph.D. degree would be designated as Research Associate (RA) and paid Rs 32,000 per month. Only after submitting the provisional certificate, they would be designated as KSKRA and paid Rs 40,000 per month. For all other benefits, their date of joining as RA will be treated as the date of joining KSKRA Scheme. In addition, an Educational Material Allowance of Rs 10,000 per year will be paid. Associates will also be eligible for HRA, medical and leave benefits as per Govt rules during the Associateship.

Name of short-listed candidates will be displayed on BARC website, i.e. <http://barc.gov.in/careers/index.html>. Only outstation candidates will be paid III AC train fare or actual fare, whichever is less. In case of candidates coming from abroad, only domestic (to and fro rail III AC) fare will be paid. This allowance is not admissible to those candidates who are already in Central/State Government Services, Central/State Government Corporation, Public Sector Undertakings, Local Government Institutions and/or have availed concession from Railways, if any, for undertaking journey for attending interview. Candidates are advised to come prepared to stay in Mumbai for 2 days as a requirement of interview. Sharing accommodation will be provided in BARC's guest house. Call letters will be sent to the successful candidates and will be absorbed as KSK Research Associate, if found medically fit. On their absorption, the KSKRAs have to undergo orientation course of 4 months duration.

Note: Eligible candidate from abroad if screened in may opt for Skype test interview on the scheduled date of interview.

Career development

Anytime during second year of the Associateship, subject to satisfactory performance as evaluated by the concerned DAE unit, the KSKRAs will be absorbed as Scientific Officer/Engineer-D with entry level pay of Rs 67,700 (level 11 of the 7th CPC Pay Matrix) + allowances as per Govt orders. Up to 4 advance increments may be awarded depending upon qualification, experience and performance during the selection interview and Associateship. KSKRAs with exceptional performance during the fellowship period may be considered for absorption as Scientific Officer/Engineer-E with entry level pay of Rs 78,800 (level 12 of the 7th CPC Pay Matrix) + allowances as per Govt orders. In addition, benefits under Performance Related Incentive Scheme (PRIS) as applicable to the scientists and engineers in DAE will also be provided. Total monthly starting emoluments including Incentives and Allowances at the time of absorption in a Class-A1 city as on 1 July 2017 is more than Rs 70,000 for Scientific Officer/Engineer-D and more than Rs 80,000 for Scientific Officer/Engineer-E.

(Contd)

The additional benefits on regular appointment for employees and their dependent family are

Conducive environment for working; Knowledge Update Allowance; Healthcare scheme and Leave Travel Concession for self and family; Accommodation (subject to availability) with excellent ambience in well developed colony having

- Educational facility for children upto junior college level
- Crèche facility for children of working couple

How to apply (application for KSKRA):

- (a) Candidates are requested to fill the soft copy of application pro-forma, in excel form, without changing its format, (other formats will be rejected), along with all documents as well as all Annexures in a single PDF/Word file which should be e-mailed to brnsskra@barc.gov.in (multiple applications received would be rejected). The soft copy of application and other documents/annexures are available on website: <http://barc.gov.in/careers/index.html>
- (b) Insert one passport size photograph on the top right corner of the application.
- (c) A non-refundable application processing fee of Rs 500 (Rupees five hundred only) will be charged. For payment of this application fee, the candidate should fill the threefold challan and make the payment in any branch of the State Bank of India. The scanned copy of the challan (only institute copy) should be e-mailed along with the application to brnsskra@barc.gov.in. Candidates belonging to SC/ST, dependents of defence service personnel killed in action, persons with physical disability and women candidates are exempted from payment of this fee. Persons with physical disability should produce necessary certificate from Govt Hospital/Medical Board in support of their claim.

Other conditions

- (a) Persons working under the Central/State Government/Public Sector Undertakings should submit their application through proper channel and if called for interview, need to submit a 'NO OBJECTION CERTIFICATE' from the employer at the time of interview. If candidates fail to submit 'NOC' at the time of interview, they will not be allowed to appear for the interview.
- (b) The candidates are required to produce printout of application and submit the same with original certificates along with the self attested copies of all relevant documents in support of date of birth, educational qualification (certificates and mark sheets), caste, disability, experience certificate, etc., only at the time of interview. Candidates who report for the interview without any of the supporting documents will not be allowed to appear before the interview committee.
- (c) Selected candidates, on their absorption after KSKRA, will be governed by the New Contributory Pension Scheme.
- (d) SC/ST candidates caste certificate should be issued by authorized authority in prescribed format and the caste/community should have been included in the Presidential orders in relation to the concerned state (wherever applicable). [As per the format given in Annexure-1.]
- (e) OBC candidate's caste certificate should be issued by authorized authority in the prescribed format with non-creamy layer certificate and the caste/community should have been included in the Central lists of Other Backward Caste. The crucial date for determining the OBC non-creamy layer certificate will be the closing date of application (DD/MM/2017). The OBC candidates should also enclose self declaration of non-creamy layer status in the format as given in Annexure-2.
- (f) OBC for the purpose of AGE RELAXATION AND RESERVATION will mean 'persons of OBC categories not belonging to the Creamy Layer' as defined in Government of India, Department of Personnel & Training OM No. 36012/22/93-Estt.(SCT) dated 08.09.93, modified vide Government of India, Department of Personnel & Training OM No. 36033/3/2004-Estt.(Res) dated 09.03.2004 and 14.10.2008, and latest modification vide Government of India, Department of Personnel & Training OM No. 360331/1/2013-Estt.(Res) dated 27.05.2013 (as per the format given in Annexure-3).

(Contd)

- (g) BRNS reserves the right to reject or accept the candidature of any applicant at any stage.
- (h) BRNS reserves the right to cancel/restrict/modify/alter the recruitment process, if need arises, without issuing any further notice or assigning any reason thereof.
- (i) The vacancies shown above are provisional and subject to variation. The filling up of vacancies indicated in the advertisement is also subject to the approval of Competent Authority and may not be filled up if decided otherwise in terms of the orders issued by Govt of India from time to time.
- (j) The eligibility criteria including the period of experience (as applicable) as prescribed in the advertisement will be determined as on 1 January 2017.

Warning: Applications which are not in conformity with the requirements will be rejected. Mere fulfilling of requirements as laid down in the advertisement does not qualify a candidate for an interview. No correspondence will be entertained with the candidates not selected for screening test/interview/appointment.

Records of the candidates not selected, shall not be preserved beyond 6 months from the date of publication of select list.

Note: Please retain a 'photocopy' of your application with all Annexures. Later on you may be required to submit additional copies of your application with the annexures (but without enclosures such as certificates/reprints).



Note: Candidates are requested to send the soft copy of duly filled application in excel form, along with all documents as well as all annexures in a single PDF/Word file should be e-mailed to brnsskra@barc.gov.in (other formats will be rejected).

Last date for receipt of applications: **31 May 2017**
For detailed information visit BRNS website:

<http://barc.gov.in/careers/index.html>

DAE Strives to have a workforce that reflects gender balance and women candidate are encouraged to apply.

Canvassing in any form shall be a disqualification