

Government of India
Bhabha Atomic Research Centre
Trombay, Mumbai-400 085

Advertisement No: 3/2024(R-V)

THE LAST DATE FOR RECEIPT OF APPLICATION :- 29/11/2024

Applications are invited for positions of Research Associate (RA) Fellowship to work on the following R&D projects of Bhabha Atomic Research Centre, Mumbai:

Research Project No. 1

Name of the Research Project	:	Indigenous Scalable Quantum Computing Technology
Requirement of RA	:	2
Qualification	:	Ph.D. in Quantum Computing; or Metal-Insulator thin films/Interfaces; or Microwave Electronics.
Field of work	:	Quantum Technology
Nature of work	:	Development of Quantum computing device at superconducting platform. The work involves quantum simulation, lab development, nano-fabrication and measurements using microwave instruments at low temperatures.
Duration of project	:	Upto 30.06.2027
Level of Fellowship	:	RA-I / RA-II / RA-III

Research Project No. 2.1

Name of the Research Project	:	Development of Niobium Quarter Wave Resonator, ECRIS upgrade and Utilisation, Production Target for RIBs and Precision Reactor Neutrino Studies using enhanced ISMRAN Setup.
Requirement of RA	:	1
Qualification	:	Ph.D. in Physics in areas related to accelerator development or Experimental Nuclear Physics.
Field of work	:	Radioactive ion beam (RIB) production and extraction
Nature of work	:	Development of RIB Production target, ion source and low energy beam line
Duration of project	:	Upto 31.12.2027 or maximum three years, whichever is earlier
Level of Fellowship	:	RA-I / RA-II / RA-III

Research Project No. 2.2

Name of the Research Project	:	Development of Niobium Quarter Wave Resonator, ECRIS upgrade and Utilisation, Production Target for RIBs and Precision Reactor Neutrino Studies using enhanced ISMRAN Setup.
Requirement of RA	:	1
Qualification	:	Ph.D. in Physics in areas related to experimental nuclear or particle physics.
Field of work	:	Neutrino measurement
Nature of work	:	Precision Reactor Neutrino measurements
Duration of project	:	Upto 31.12.2027 or maximum three years, whichever is earlier
Level of Fellowship	:	RA-I / RA-II / RA-III

Research Project No. 3

Name of the Research Project	:	Accelerator & Reactor Based Nuclear Physics Research
Requirement of RA	:	5
Qualification	:	Ph.D. in experimental nuclear physics.
Field of work	:	Experimental nuclear physics
Nature of work	:	Development and utilization of new detectors and experimental facilities for low energy experimental nuclear physics and nuclear astrophysics
Duration of project	:	Upto 31.01.2028 or maximum three years, whichever is earlier
Level of Fellowship	:	RA-I / RA-II / RA-III

Research Project No. 4

Name of the Research Project	:	On-demand clean hydrogen generation from boron-based hydrides at room temperature with supramolecularly-functionalized hybrid metal/alloy nanocomposites
Requirement of RA	:	1
Qualification	:	Ph.D. (Chemistry)
Field of work	:	Research in Chemical Sciences
Nature of work	:	Host-guest complexation, Spectroscopic measurements, Nanoparticle synthesis, Hydrogen generation
Duration of project	:	Upto 30.11.2025
Level of Fellowship	:	RA-I

The Fellows recruited will have the opportunity to carry out research under various R&D projects of BARC under the guidance of senior scientists.

Interested candidates may apply in the prescribed format with complete bio-data, one set of photocopies of mark-sheets, degree certificates (from SSC to Ph.D.), other academic credentials and work experience and the duly filled-in application may be sent to Deputy Establishment Officer, Recruitment-V, Central Complex, BARC, Trombay, Mumbai-400085 superscribing the Research Project No. on the envelope.

CANDIDATES SHOULD APPLY SEPARATELY FOR EACH RESEARCH PROJECT WITH A SEPARATE SET OF DOCUMENTS.

NOTE :

1. Educational Qualification: As indicated against each Research Project.
2. Amount of Fellowship:

(i)	RA-I	: ₹58,000/- p.m. plus Contingency Grant of ₹60,000/- per annum plus HRA as applicable.
(ii)	RA-II	: ₹61,000/- p.m. plus Contingency Grant of ₹60,000/- per annum plus HRA as applicable.
(iii)	RA-III	: ₹67,000/- p.m. plus Contingency Grant of ₹60,000/- per annum plus HRA as applicable.

NOTES :-

- A) The Research Associates will be fixed at one of the 3 fellowship as indicated above depending on qualifications and experience. The level at which a fellow will be placed will be decided by the interview committee based on the following;
 - i) Quality of Ph.D. thesis;
 - ii) Post-Ph.D. research experience as evidenced from the quality of the publications and/or products/processes designed and developed and
 - iii) Performance in the Selection interview.
- B) The Department does not grant any such fellowship to the Scholars who have submitted Ph.D. thesis and are awaiting evaluation of thesis.
- C) A person with Provisional/Regular Ph.D. will be treated at par with Research Associates and will be eligible for fellowship as per extant rates.

CANCELLATION OF THE CANDIDATURE:-

Candidate is cautioned not to furnish any incomplete, false or misleading information or submit any document which is defective, forged or fabricated or otherwise not admissible or claim fraudulently SC/ST/OBC/Person with Disability status etc., or resort to any sort of malpractice during the selection process. Notwithstanding verification of original documents during various stages of the selection process, if any such case is detected at any stage of the selection process or later on, this Centre reserves the right to withdraw/cancel candidature or selection apart from taking other appropriate legal action.

Candidates will not be allowed to appear for the interview if they fail to bring a copy of the Application and a valid photo identity card (such as AADHAR Card, Passport, Driving License, College ID, Voter ID) and all the documents in original at the time of interview.

Important Notes :

- 1) Selection will be on interview basis only. Applications received will be subject to screening. Only screened-in candidates will be interviewed. All information related to the selection will be made available on the website i.e. <http://www.barc.gov.in>. Candidates are advised to visit the website periodically for information and updates in this regard. Information displayed on the website will be deemed as intimation to the candidates.
- 2) Hostel accommodation will not be provided to the Research Associates.
- 3) Any legal disputes arising out of this notification are subject to Mumbai jurisdiction only and in case of any dispute, English version of detailed Advertisement placed on BARC website shall be referred.
- 4) Corrigendum/Addendum, if any, pertaining to this advertisement will be uploaded only on BARC website.
- 5) In case of any query, candidates may email at niyukti5@barc.gov.in.
APPLICATIONS RECEIVED THROUGH EMAIL WILL NOT BE ACCEPTED/CONSIDERED.

CANVASSING IN ANY FORM WILL BE A DISQUALIFICATION

RECORD OF THE NON-SELECTED CANDIDATES SHALL NOT BE PRESERVED BEYOND SIX MONTHS FROM THE DATE OF PUBLICATION OF SELECT LIST.

आवेदन पत्र सं./Application No. _____
(भर्ती कार्यालय द्वारा दिया जाना है / To be given by Recruitment Office)

भाभा परमाणु अनुसंधान केंद्र **BHABHA ATOMIC RESEARCH CENTRE**
अनुसंधान सहायोगी के पद के लिए आवेदन
APPLICATION FOR THE POST OF RESEARCH ASSOCIATE

अनुसंधान परियोजना संख्या _____ के लिए आवेदन किया गया
Applied against Research Project No. _____

1. पूरा नाम (उपनाम से आरंभ करते हुए साफ अक्षरों में) / Name in full (in block letters beginning with Surname)

हाल ही के पासपोर्ट
आकार का फोटो
लगाएं
Affix recent
passport size
photograph

2. आयु/Age: _____

3. जन्म तारीख/Date of Birth:

_____/_____/_____

4. लिंग/Sex: पुरुष Male/ स्त्री Female

5. राष्ट्रियता / Nationality: _____

6. वैवाहिक स्थिति Marital Status:

विवाहित Married/ अविवाहित Single

7. पत्राचार हेतु वर्तमान पता / Present correspondence Address:

8. संपर्क Contacts: टेलीफोन

Telephone:

मोबाईल

Mobile:

ई-मेल आईडी

Email ID:

9. क्या अनुसूचित जाति/जन जाति/अन्य पिछड़े जाति के हैं।

Whether SC/ST/OBC

हां Yes/ नहीं No

यदि हां, तो जाति का नाम बताएं। If yes, state the name of the caste _____

(attach copy of certificate प्रमाणपत्र की प्रति संलग्न करें)

10. एसएससी (अथवा समकक्ष स्कूल की परीक्षाओं) से शैक्षणिक कैरियर/Academic career from SSC (or equivalent from School Examination) onwards.(एसएससी से अंक पत्रों एवं पारित प्रमाणपत्रों की प्रतियां संलग्न करें) (attach copies of mark sheets and passing certificates from SSC onwards):

परीक्षा/डिग्री Examination/Degree	संस्था/ विश्वविद्यालय Institute/University	उत्तीर्ण करने का वर्ष Year of passing	प्रभाग/ग्रेड Division/ Grade	प्राप्त अंकों का % % of Marks Obtained	No. of Attempts
एसएससी/S.S.C.					
एचएससी/H.S.C.					
स्नातक (डिग्री) Graduation (Degree)					
स्नातकोत्तर (डिग्री) /Post Graduation (Degree)					
पीएचडी Ph.D					

11. पीएचडी के विषय का विवरण Details of Ph.D. Topic :

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12. अनुभव Experience :

संबंधित विशेषताओं में अनुभव Experience in concerned speciality	वर्षों की संख्या/No. of Years

13. शैक्षणिक उपलब्धियों का प्रकाशन एवं सम्मेलन में प्रतिभागिता

Academic Achievement Publication & Conference attended

शैक्षणिक उपलब्धि/प्रकाशन तथा सम्मेलन में उपस्थिति Academic achievement publication and conference attended

14. आपकी व्यवसायिक दक्षता के संदर्भ में दो व्यक्तियों का नाम और पता

Name and Address of two persons to whom a reference can be made regarding your professional competence:

नाम Name :	नाम Name :
पता Address :	पता Address :

15. कोई अन्य सूचना, जो अभ्यर्थी देना चाहता है/चाहती है

Any other information the candidate may wish to furnish

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घोषणा Declaration : मैं एतद् द्वारा घोषणा करता/करती हूँ कि आवेदन पत्र में दिए गए सभी विवरण मेरी जानकारी और विश्वास के अनुसार सही हैं। I hereby declare that all statements made in the application are true to the best of my knowledge and belief.

नोट Note :-

- यदि आवश्यकता हो तो, अतिरिक्त शीट संलग्न किए जाएं ।
If required, additional sheets may be attached.
- प्रत्येक अनुसंधान परियोजना के लिए दस्तावेजों के एक अलग सेट के साथ अलग आवेदन किए जाएं ।
Separate application may be made for each Research Project along-with a separate set of documents

दिनांक/Date: ____/____/____

हस्ताक्षर/Signature: _____

संलग्नक/Encl:

1. _____
2. _____
3. _____

प्रत्येक आवेदन के साथ संलग्न किए जाने वाले दस्तावेजों की प्रतियों की जांच सूची:-

CHECKLIST OF COPIES OF DOCUMENTS TO BE ATTACHED WITH EACH APPLICATION :-

1.	एसएससी पासिंग सर्टिफिकेट SSC PASSING CERTIFICATE
2.	पैन या आधार कार्ड PAN / AADHAR CARD
3.	सेमेस्टर-वार / वर्ष-वार मार्कशीट और प्रमाण पत्र - एसएससी एवं उसके आगे के SEMESTER-WISE/YEAR-WISE MARKSHEETS & CERTIFICATES FROM SSC ONWARDS
4.	जाति प्रमाण पत्र यदि लागू हो CASTE CERTIFICATE, IF APPLICABLE
5.	कार्य अनुभव संबंधित WORK EXPERIENCE RELATED
6.	शैक्षणिक उपलब्धियों का प्रकाशन एवं सम्मेलन में प्रतिभागिता संबंधित ACADEMIC ACHIEVEMENT PUBLICATIONS AND CONFERENCES ATTENDED RELATED
7.	कोई अन्य प्रासंगिक दस्तावेज ANY OTHER RELEVANT DOCUMENTS