

# हरीश-चन्द्र अनुसंधान संस्थान

(परमाणु ऊर्जा विभाग, भारत सरकार)

छतनाग मार्ग, झूँसी, प्रयागराज (इलाहाबाद) – 211 019 (भारत)

## Harish-Chandra Research Institute

(Deptt. of Atomic Energy, Government of India)

Chhatnag Road, Jhunsi, Prayagraj (Allahabad) - 211 019



वेबसाइट/Website : <https://www.hri.res.in>

फैक्स/Fax : (91)-532-2569576, 2567444

पत्रांक : एच.आर.आई. No.HRI/.....

दिनांक/Date.....

### **Employment Notice (DST/OTC/NQM/QComm/2024/2(G) No. 01-2025**

Harish-Chandra Research Institute, an Autonomous Institute under the Department of Atomic Energy, Govt. of India invites applications for the following positions in the group of Prof. Aditi Sen De to work in the broad areas of Quantum Information and computation. These positions will be supported by the National Quantum Mission as part of a technological group (TG) under Technology Vertical - Quantum Communication. Under this project, one of the main idea is to analyse the robustness of quantum memory against decoherence and develop the repeater-based quantum networks.

Name of the Post	Number of Post	Essential Qualification	Salary	Age	Follow Link to Apply
Research Assistant	01 No.	M.Sc. (Physics) OR M.Sc. (Applied Mathematics) <b>OR</b> B.Tech with minimum 7.5 CGPA	RA-I: Rs.37,000/- p.m. plus 20% HRA* RA-II Rs.37,000/- p.m. plus 20% HRA* RA-III: Rs42,000/- p.m. plus 20% HRA*	30 years as on closing date of application	<a href="https://docs.google.com/forms/d/e/1FAIpQLSfMGGG-5mABDhIagG1oIQYU0jMzhQwaD5nZ24kjr_pd0Gf8oA/viewform?usp=dialog">https://docs.google.com/forms/d/e/1FAIpQLSfMGGG-5mABDhIagG1oIQYU0jMzhQwaD5nZ24kjr_pd0Gf8oA/viewform?usp=dialog</a>
Research Associate	01 No.	Ph.D Degree in Physics in the area of Quantum Information Theory <b>OR</b> at the interface of quantum information theory with condensed matter physics <b>OR</b> quantum optics with 60% marks at M.Sc. level.	RA-I: Rs.58,000/- p.m. plus 20% HRA* RA-II Rs.61,000/- p.m. plus 20% HRA* RA-III: Rs67,000/- p.m. plus 20% HRA*	35 Years as on closing date of application	<a href="https://docs.google.com/forms/d/e/1FAIpQLSciqdLdluYozTItlggWOfNZHGowTYnY71Ovx_bm2gyiLqpOw/viewform?usp=dialog">https://docs.google.com/forms/d/e/1FAIpQLSciqdLdluYozTItlggWOfNZHGowTYnY71Ovx_bm2gyiLqpOw/viewform?usp=dialog</a>

\* Monthly fellowship as per the prevailing DAE's OM No. 10/1(21)/2014/Fellowship/R&D-II/14812 dated November 9, 2023.

#### **Desirable Qualification:**

- Experience in project work in the area of Quantum communication and quantum information.
- Candidate with UGC NET/JEST/GATE will be preferred.

**Tenure of Appointment:** The appointment will be initially be given for a period of one year, commencing from 15 December 2025. Following the first year, the position can be extended based on performance and mutual agreement. The position may be transferred, in case the coordinator i.e., Prof. Aditi Sen De takes a transfer elsewhere.

#### **Note:**

The emoluments will be fixed at one of the 3 fellowships as indicated above depending on qualifications and experience. The level at which RA 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
- iii) Performance in the selection interview

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### General Instructions:

1. Interested persons are requested to follow the link above to fill up the application form on or before **30/11/2025**.

2. Please send one recommendation letter for the Research Assistant position and two recommendation letters for the Research Associate position to [nqmhri@gmail.com](mailto:nqmhri@gmail.com) via email and please write "Recommendation letter for Research Assistant/Research Associate position".

Interview letter to the selected persons will be sent via email only and the interview date will be informed to the shortlisted candidates only through e-mail.

**Disclaimer:** HRI has the right to cancel this advertisement without assigning any reason and the decision taken by Director-HRI shall be final and binding.

sd/

Prof. Aditi Sen De  
NQM Project Coordinator  
HRI, Prayagraj