



टाटा मूलभूत अनुसंधान संस्थान

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

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भारत सरकार के परमाणु ऊर्जा विभाग की स्वायत्त संस्था एवं समविश्वविद्यालय

An Autonomous Institution of the Department of Atomic Energy of

Government of India and a Deemed to be University

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Advertisement 2025/31

Applications are invited for the position of **Junior Research Fellow** to work in the field of **Ultracold Atoms and Quantum Optics** in the Department of Nuclear and Atomic Physics (DNAP), TIFR, Mumbai. Number of posts: 1

Post	Qualification	Job Requirement	Age Limit And Fellowship	Nature & Period of Post
Junior Research Fellow (JRF)	Essential: M.Sc. in Physics OR B.E./ B.Tech (Engg. Physics / Electrical Engg. / Electronics Engg.) with minimum 60% marks. Qualified through UGC-CSIR NET, GATE or any National level Ph.D. entrance tests in Physics, such as JEST or TIFR-GS final written tests or equivalent exams. Desirable: Post M.Sc. research/work experience in experimental physics. Good understanding of optics or atomic physics or hands-on experience in electronics.	Instrumentation for atomic physics and quantum optics experiments, laser spectroscopy and simulations. Visit: https://sites.google.com/site/souravduttamr/	Age: Preferably below 28 years on 01.07.2025 Fellowship: Rs.37000/- (JRF) + HRA	Temporary. Initial appointment for one year, but extendable for another three years based on performance. Total duration is 4 years -2 years as JRF and 2 years as SRF.

Send a detailed CV including educational qualifications (in the format given below), additional qualifications like qualifying national level entrance tests, publications; a one page write up of research/work experience (a brief write up of one page, publications if any). Also, give names and addresses of two referees, who are familiar with your recent academic activities/progress.

Degree	Year	University	Subjects	Marks obtained Class/division	Remarks
S.S.C.					
H.S.C.					
B.Sc.					
B.Tech.					
M.Sc.					

LAST DATE FOR RECEIPT OF APPLICATIONS IS NOVEMBER 17, 2025.

Send the application by email to Prof. Sourav Dutta (sourav.dutta@tifr.res.in) subject line as “Application for a JRF position (Name of Applicant)”. Recommendation letters should be sent by referees directly to the same email address.