



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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Applications are invited for two positions of **Project Associates** to work on the **National Quantum Mission Project** "Field deployable quantum enhanced hybrid sensor with integrated photonic platform". (PI: **Dr. Sourav Dutta**) in the **Department of Nuclear and Atomic Physics, TIFR Mumbai**.

Post	Qualification	Job Requirement	Age Limit And Fellowship	Nature & Period of Post
Project Associate	<p>Essential:</p> <ul style="list-style-type: none"> Master's Degree in Physics, Quantum Tech or a related discipline with a minimum 60% marks. OR Bachelor's Degree in Engineering or Technology in Engg Phys, ECE, Optics with a minimum 75% marks. <p>Desirable:</p> <ul style="list-style-type: none"> M.Sc. coursework with courses on atomic physics and quantum optics. B.Tech. / B.E. coursework in physics, electronics, analog & digital systems, optics. Qualified in any national level test such as GATE, NET, JEST, TIFR, etc. <p>Experience: Some hands-on experience in experiments is desirable.</p>	<p>The selected candidate will be involved in the various tasks, such as</p> <ul style="list-style-type: none"> Designing of optical setup for laser cooling of atoms Laser spectroscopy Electronics for lasers, control circuits, designing and populating PCBs Development of the DAQ and related electronics for the setup Recording and analysing data from the vapor cell setup and ultracold atom setup Characterization of magnetometers in the field Documentation of experimental results and preparing reports 	<p>Age: Preferably below 30 years on date 30.06.2026</p> <p>Fellowship: Depends on experience and qualification of National Level Test:</p> <p>(a) No experience & not qualified valid test: Rs. 25,000 + HRA</p> <p>(b) No experience & qualified valid test: Rs. 31,000 + HRA</p> <p>(c) 2-yr experience & not qualified valid test: Rs. 28,000 + HRA</p> <p>(d) 2-yr experience & qualified valid test: Rs. 35,000 + HRA</p> <p>(e) 4-yr experience in a related field: Rs. 42,000 + HRA</p>	<p>Temporary appointment for a period of two years with a possibility of extension for three more years. The extension is subject to satisfactory performance.</p>

Send a detailed CV including educational qualifications (in the format given below), experience and rank in qualifying national level entrance tests; a one-page write-up of work experience/interest. CV should include date of birth, present affiliation and occupation, residential address, contact number and email. Also, give the names and addresses of two referees who are familiar with your recent academic activities.

Degree / Test	Year	University / Agency	Subjects	Marks Obtained / Rank / Score	Remarks
Class X					
Class XII					
M.Sc. / BTech					
National Level Test					

LAST DATE FOR RECEIPT OF APPLICATIONS: 30 JUNE 2026

Send the application to Dr. Sourav Dutta via email to sourav.dutta@tifr.res.in with subject line as "Application for Project Associate position (Name of Candidate)".