



टाटा मूलभूत अनुसंधान संस्थान
TATA INSTITUTE OF FUNDAMENTAL RESEARCH
भारत सरकार के परमाणु ऊर्जा विभाग की स्वायत्त संस्था एवं समविश्वविद्यालय
(An Autonomous Institute of the Department of Atomic Energy,
Government of India, and a Deemed University)

सर्वेक्षण संख्या 36 / पी, गोपनपल्ली गांव, सेरिलिंगमपल्ली मंडल, रंगारेड्डी जिला, हैदराबाद - 500046
Survey No.36/P, Gopanpally Village, Serilingampally Mandal,
Ranga Reddy District, Hyderabad - 500 046

Advertisement No. 2025/04

Applications are invited for following position under **National Quantum Mission Project (NQM)** in a cutting-edge research at Tata Institute of Fundamental Research, Hyderabad. Please visit our website for application details and prescribed requirements <https://recruitment.tifrh.res.in/applicants/>.

S. No	Name of the Post	Reservations					Age Below (years) as on July 01, 2025	TME
		UR	SC	ST	OBC	PwBD		
1.	Junior Project Manager under (NQM Project)	1	-	-	-	-	45	Consolidated pay of Rs. 1,20,000 – Rs. 1,75,000 per month (including HRA)

Abbreviations: UR- Unreserved, TME-Total Monthly Emoluments.

Junior Project Manager: One (01) Post (Un Reserved): This position will be for a period of one year from the date of joining. Extendable up to a maximum period of five (05) years is subject to the annual performance review.

Educational qualification:

1. M.Sc./M.Tech with sufficient experience may also be acceptable.
2. Ph.D in physics, electrical engineering or a related field.
3. Minimum of 60% marks or equivalent in CGPA.

Essential experience in one or more areas for at least 4 years (including PhD years):

1. Cryogenic experiments at temperatures down to 10mK
2. Superconducting circuits design and cleanroom fabrication
3. Microwave and RF circuit design using FEM simulations

Desirable Qualifications:

1. Prior experience in transmon qubit design and measurements.
2. Familiarity with instrument control, data acquisition, and interfacing
3. Basic programming skills in Python, MATLAB, FEM simulations.

Other Information:

This project is part of the thematic hub titled Quantum Computers using superconducting circuits which is aimed toward development of first 100-qubit processors of the country. Early work at TIFRH will involve setting up a new dilution refrigerator and its RF wiring. Subsequently low temperature measurements of individual qubits and two qubit gates will be performed. The candidate is expected to lead a team of students at TIFRH, as well as work together with other academic members of the team e.g. from TIFR Mumbai, IISc and IITs. Travel grants for national and international conferences and meetings will be accordingly supported.

General Information:

1. Higher starting salary could be considered for deserving candidates.
2. Applications from the candidates will be accepted ONLY ON-LINE through the link <https://recruitment.tifrh.res.in/applicants/>
3. On-line applications must be submitted by **September 30, 2025**.
4. The candidates are required to produce following original documents with copies at the time of written test/interview:
 - a. Printout of online application form.
 - b. Identity proof (Aadhar Card/ Election Card / Pan Card / Passport Driving License).
 - c. Date of birth / Proof of age.
 - d. Educational Qualification (all mark sheets and certificates).

In case Universities/Board award letter grades/CGPA/OGPA, the same will have to be indicated as equivalent percentage of marks as per the norms adopted by the University / Board. In the absence of the same, the candidature will not be considered (While submitting original documents for verification, the candidates will have to produce the norms of the University / Board for conversion of grades/CGPA/OGPA to equivalent percentage of marks.
 - e. Experience Certificate/s.
 - f. Conduct certificates from two respectable persons.
5. Outstation candidates called for recruitment process for the above post will be paid III Tier A/C return train fare for the journey by the shortest route from the nearest railway station of their place of residence on the production of photocopies of onward and return journey tickets.
6. The Institute reserves the right to restrict the number of candidates for written test/interview to reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement. Mere fulfilling the essential and desirable qualifications will not entitle an applicant to be called for written test/interview.
7. More vacancies may also be filled through this advertisement. The Institute reserves the right not to fill any/some posts herein advertised. Canvassing in any form shall disqualify the candidate.
