

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली
हौज खास, नई दिल्ली -110016
(औद्योगिक अनुसंधान एवं विकास इकाई)
INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016
(Industrial Research & Development Unit)

No. IITD/IRD/MI03236G_SN/ **508688**

Dated: 16/08/2025

Advertisement No.: IITD/IRD/086/2026

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay subject to periodic performance review, and renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Title of the Project	Development of On-Demand Single Photon Emitters, Single Photon Avalanche Detectors, High-Frequency Devices and Nanowire Quantum Devices Utilizing GaAs and InP-Based Epitaxial Semiconductors (Sub-Project under Main Project # RP04951) .(MI03236G_SN)	
Funding Agency	National Quantum Mission (NQM), Department of Science & Technology	
Name of the Project Investigator	Prof. Santanu Manna [email ID: dibyajyoti@iitd.ac.in]	
Deptt./Centre	Dept. of Electrical Engineering	
Duration of the Project	Upto:31/03/2031	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Research Associate-I (01)	Rs.58,000/-p.m. plus HRA @ 30%	1.Ph.D. in Physics/Chemistry/Computational Materials Science applied to materials or a closely related area. 2. Strong experience in ML methods for materials modeling, including development or application of models for predicting quantum-mechanical properties 3. Familiarity with DFT-based electronic structure calculations and their integration with ML workflows. Programming experience in Python and ML libraries (PyTorch, TensorFlow, scikitlearn)

The posts may be downgraded as per discretion of the Selection Committee if none of the candidate is found suitable for the post.

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line to Prof. Santanu Manna at email id: dibyajyoti@iitd.ac.in

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact to Prof. Santanu Manna at email ID: dibyajyoti@iitd.ac.in

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। The last date for submitting the completed applications by e-mail is 24/04/2026 by 5.00 p.m.

AL
09/04/2026

कार्यवाहक प्रमुख (आईआरडी स्थापना)

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. Santanu Manna, PI, Deptt. of Elect. Engg.
- Copy to Chairperson, DRC/CRC