

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
DEPARTMENT OF POLYMER AND PROCESS ENGINEERING**

Dated: 23/03/2026

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS**

Applications are invited from Indian nationals only for project position as per the details given below for the research project under the Principal investigator **Dr. Kenkera Rayappa Naveen, Department of Polymer and Process Engineering, Indian Institute of Technology, Roorkee (Saharanpur Campus).**

1. Title of project : **Design, synthesis, and Characterization of Tricoordinated-Organo-Boron  $\pi$ -Conjugated Luminophores for Sustainable, Color-Pure, High-Efficiency Optoelectronic Devices via Tandem One-Shot Borylation and Structure-Property Driven Engineering**
2. Sponsor of the project : **ANRF, New Delhi**
3. Project position(s) and number: **ANRF-Junior Research Fellow (JRF) (1 position)**
4. Qualifications :
  - A. Master's degree (Either M.Sc. / M.Tech)
  - B. Qualifying Degree Disciplines: Chemistry, Material Science or Equivalent disciplines.
  - C. Must be Qualified in a national level test, such as- GATE / UGC-NET /CSIR-NET.
  - D. Prior Experience in Organic Synthesis and respective Photophysical studies will give preference.
5. Emoluments: **JRF: Rs. 37,000/- p.m. + HRA as per ANRF norms (for first two years) SRF: Rs. 42,000/- p.m. + HRA as per ANRF norms (for third year)**
6. Duration : **Upto March 15<sup>th</sup> 2028 (The selected JRF candidate will have the opportunity to register for the Ph.D. program at IIT Roorkee as per institute norms)**
7. Job description

**Research on boron based  $\pi$ -conjugated Luminophores synthesis and respective structure property relationships for the optoelectronic applications particularly organic light emitting diodes.**

**A. Terms:**

- a) Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply. Qualifications for the position are mentioned in point 4.
- b) Candidates desiring to appear for the Interview should submit their applications through the online form on which link is given below or email PI ([naveen.kr@pe.iitr.ac.in](mailto:naveen.kr@pe.iitr.ac.in)). Candidates will require following

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documents for filling the online form: i) Detailed CV including chronological discipline of degree/certificates obtained, papers published, research experience, etc. ii) Copies of degree/certificate and experience certificate.

c) Form Link:

<https://docs.google.com/forms/d/e/1FAIpQLSf1y4HUqbG719CLHgoAhMy0k2II3Xz7Dnbx5Lm4jC2vg8K1TQ/viewform>

The last date for application submission is **6<sup>th</sup> April 2026** by 5 PM.

- d) The interview will be held online. Date and time of interview along with meeting link will be communicate, to the shortlisted candidates via email.
- e) Preference will be given to SC/ST candidates on equal qualifications and experience.
- f) Candidates should also make themselves familiar with job description (Point 7) beforehand.
- g) The project positions start at the earliest possible, preferably by 13<sup>th</sup> April, 2026.



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