



**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
**(Department of Polymer & Process Engineering)**

Dated: 29.06.2026

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for a project position, as per the details given below, for the research project under the Principal Investigator, Prof. Abhijit Maiti, Dept. of Polymer & Process Engineering, Indian Institute of Technology, Saharanpur Campus, Saharanpur-247001.

1. Title of project: **Dense Membranes for Effective Water Proofing Old and New Buildings under Different Ambient Conditions**
  2. Sponsor of the project: Hindustan Steel Works Construction Ltd.
  3. Project position(s) and number: JRF (one)
  4. Qualifications & Experience: **M.Tech. in Chemical Engineering/ Civil Engineering/ Production/ Mechanical/other suitable Engineering with GATE score. Knowledge in concrete formation/formulation, porous material, mass transfer through porous materials, membrane preparation, membrane process, and/or knowledge of membrane technology.**
  5. Emoluments: **Rs./ 37000 per month**
  6. Duration: **12 months (or up to the duration of the project), duration can be extended upto 36 months (if fund is available, in that case, 42000/month after successful completion of 2 years at JRF position)**
  7. **Job description: Preparation of Concrete formulation, membrane preparation, setting up the required experimental setup, membrane fixing appropriately to the concrete structure, examining water permeability, surface interaction between the membrane and the concrete surface, real application of the technology, field test at an industrial site if needed. JRF will be responsible for research work, report preparation, publication, and patent application if found suitable. JRF will be encouraged to join the Institute's PhD program through this project.**
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
  2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator via Email.
    - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
    - Experience including research, industrial field, and others.
    - Self-attested copies of the degree/certificate and the experience certificate.
  3. Candidate shall show the original degree(s)/certificate(s) and experience certificate(s) at the time of online interview for verification.
  4. Preference will be given to SC/ST candidates on equal qualifications and experience.
  5. Please note that offline and online interviews via the Webex platform will be conducted, and the link will be sent to the candidate well before the time of the interview.
- The last date for submitting the application to the Principal Investigator is **11 PM on 26/07/2026**.  
The interview will be held offline at IIT Roorkee, Saharanpur Campus, and online via Webex on **27/07/2026 at 2:30 PM onwards**.  
**Tel: 8859773305**

  
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Sponsored Research & Industrial Consultancy  
Indian Institute of Technology Roorkee  
Roorkee - 247001

 29/6/26

Name and signature of Principal Investigator

**(Prof. Abhijit Maiti, Professor, Department of Polymer & Process Engineering,  
IIT Roorkee, Saharanpur Campus)**

**Email: [abhijit.maiti@pe.iitr.ac.in](mailto:abhijit.maiti@pe.iitr.ac.in) and [abhijit14675@gmail.com](mailto:abhijit14675@gmail.com),**

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.