

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

(Department of Polymer & Process Engineering)

Dated: 18.08.2026

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: **Decentralized Rainwater Harvesting and Greywater Treatment Using Electrocoagulation-Ceramic Membrane Systems in the Indian Himalayan Region**
2. Sponsor of the project: **NMHS (National Mission on Himalayan Studies)**
3. Project position(s) and number: JRF (one)
4. Qualifications & Experience: **M.Tech. in Chemical Engineering/Chemical Technology/Ceramic Engineering/ Production/ Mechanical/other suitable Engineering//Master's in Chemistry/Applied Chemistry/Engineering Science/Chemical Science, desirably having GATE/NET score. Knowledge of ceramic membrane formation/formulation, porous materials, mass transfer through porous materials, membrane preparation, membrane processes, water treatment, and/or separation technology will be referenced.**
5. Emoluments: **Rs./ 37000 per month for 2 years + after successful completion of 2-year tenure as JRF, can be promoted to SRF for 6 months at Rs./ 42000/month**
6. Duration: **2.5 years (or up to the duration of the project),**
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, if found suitable, patent application. 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.
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 07/09/2026**.

The interview will be held offline at IIT Roorkee, Saharanpur Campus, and online via Webex on **08/09/2026 at 3:00 PM onwards.**

Tel: 8859773305

18/08/2026

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 and abhijit14675@gmail.com,

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

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Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

B. G. Talwar

19/8/26

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