

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Civil Engineering Department)

Dated: 5 May, 2026

ADVERTISEMENT TO FILLED UP PROJECT POSITION

Application are invited from Indian national only for the project position as per the details given below for the research project under the Principal Investigator (Prof. Prakhar Misra), and co-PI (Prof. A. A. Kazmi) Civil Engineering Department, Indian Institute of Technology, Roorkee.

1. Title of project: **Developing a Scalable High-resolution Methane Emission Assessment Framework using UAV sensing, Satellite measurement and Modelling approaches for MSW Landfills**
2. Sponsor of the project: **Anusandhan National Research Foundation (ANRF)**
3. Project position and number: **JRF (1 position)**
4. Qualifications: **M.Tech/M.E. in Civil Engineering/ Remote Sensing & GIS/Environmental Engineering/ Atmospheric science or equivalent. Preference will be given to candidates with education from CFTI, possessing a GATE score, satellite remote sensing, UAV flying and processing, inverse modeling for emission inventories, air quality research and Python programing experience.**
5. Emolument: Rs.37,000 + HRA as per institute norms
6. Duration: Until March **15** 2029 or when the project ends.
7. Job description: Develop a scalable framework for mapping and estimating methane emission flux over landfills and dumpsites using UAV based CH₄ and thermal sensors, EMIT and TROPOMI satellite sensors and IPCC and LandGEM models. Assess landfill gas to energy potential and its life cycle assessment and co-benefits. Contribute to report writing, and research publications

Kindly Note:

1. Candidates shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to shortlisting should submit **online form <https://forms.gle/nHx9r8jfvL3T6q6>** AND also **send email cover letter and CV (including contact of 1 reference) with subject: ANRFCH4-JRF-[your name]**
Produce when required the following:
 - Application with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring original degree(s)/certificate(s) and experience certificate(s) for joining-verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. No TA/DA is admissible for attending the interview.
6. Last date for application to be submitted to the office of the Principal Investigator is **31 May 2026, by 5 PM.**
7. Only shortlisted candidates will be notified about the interview date via email at a later date.
8. **Selected candidate may get an opportunity for PhD admission**

Prakhar

Prakhar Misra

Tel: 01332-285289, Email: prakhar.misra@ce.iitr.ac.in

Name and signature of Principal Investigator

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

Approved

Prakhar Misra
Dean

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

Prakhar
20/05/2026

Prakhar
08/05/2026