

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Earth Sciences)

Dated: July 10, 2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the research project entitled 'Qualification of slip-rates and resultant seismic hazard using the physics-based and earth observation-based approaches for active faults in Uttarakhand Himalayas' under **Dr. Vipul Silwal** (Dept. of Earth Science), as Project Supervisor, and **Dr. Alok Bhardwaj** (as co-supervisor).

1. Title of project: Qualification of slip-rates and resultant seismic hazard using the physics-based and earth observation-based approaches for active faults in Uttarakhand Himalayas
 2. Sponsor of the project: Space Application Centre, ISRO, Ahmedabad
 3. Project position(s) and number: JRF (01)
 4. Qualifications: MSc/MTech in Geology/Geophysics/Civil + GATE/NET (UGC, CSIR etc.) Qualified
 5. Emoluments: Rs 37000 per month + HRA
 6. Duration: 1 Year (extended upto 3 year upon performance)
 7. Job description: **The project aims to quantify slip rates and assess seismic hazard associated with active faults in the Uttarakhand Himalayas by integrating physics-based modeling with Earth observation techniques. The candidate will analyze geodetic, remote sensing, geological, and seismological datasets, develop computational models, and contribute to understanding fault activity and earthquake hazards. A background in geophysics, seismology, geodesy, remote sensing, or a related field, along with programming skills, is desirable.**
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 on email, by post or produce at the time of the Interview:
 - Application in a plain paper with a detailed CV including a 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 along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Please note that no TA/DA is admissible for attending the interview.
 5. The interview schedule will be shared to the shortlisted candidates through email.

The last date for application to be submitted above is **July 20, 2026** by 5 PM.

Tel: 01332-284911

Vipul Silwal

(Prof. Vipul Silwal)

**Name and Signature
of Principal Investigator**

Email to: vipul.silwal@es.iitr.ac.in (cc: alok.bhardwaj@ce.iitr.ac.in)

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

Approved

T. C. f.
Dean

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