

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF HYDROLOGY**

Dated: 01/09/25

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 consultancy/research project(s) under the Principal Investigator, **Prof. Sumit Sen**, Department of Hydrology, Indian Institute of Technology Roorkee.

1. Title of project: Carbon Budget and Eco-hydrological Dynamics of Selected Himalayan High-altitude Grasslands and Their Carrying Capacity
 2. Sponsor of the project: G.B. Pant National Institute of Himalayan Environment (NIHE), Ladakh Regional Centre, Leh
 3. Project position(s) and number: Junior Research Fellow (JRF), One
 4. Essential Qualification: Master's degree in Engineering/Technology in the field of Civil Engineering/Agricultural Engineering/Hydrology/Water Resources, and GATE or CSIR NET qualified.
 5. Emoluments: 37000/- +HRA as per institute rules.
 6. Duration: Initially for 1 year; may extend up to the duration of the project based on performance
 7. **Job description: The work involves field visits and stays in the Himalayan region to perform: (i) Field hydro-meteorological instrumentation and data collection (streamflow, sediment) (ii) Soil/Water physical and chemical analysis (iii) Data compilation and Analysis: Experience in scientific programming languages and statistical software. Experience with R or Python for data processing, analysis, and visualization is highly desirable. (iv) Geospatial Technology: Working knowledge of Geographic Information Systems (GIS) software like ArcGIS or QGIS for spatial analysis, mapping, and data management (v) Report Writing and Publication: Proven ability to produce technical reports and prepare manuscripts. Requires prior field working experience in the Himalayas**
- Candidates, before appearing for the interview, shall ensure that they are eligible for the position, intend to apply.
 - The position requires extensive fieldwork in high-altitude Himalayan regions, including Uttarakhand, Leh, and Sikkim, at elevations up to 4500m above mean sea level (a.m.s.l.). Candidates must be physically fit and prepared for the challenges of working in this rugged terrain.
 - Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email or by post:
 - Application in plain paper with a detailed CV **as per the attached format.**
 - Attested copies of degree/school board certificate, GATE/ CSIR NET scorecard, and experience certificate.
 - **Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.**
 - Preference will be given to SC/ST candidates on equal qualifications and experience.
 - Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for admission to the Ph.D program.

Last date for the application to be submitted to the office of Principal Investigator is 10th September 2025 by 5 PM. The Interview will be held in-person and the details of the interview shall be separately shared with the shortlisted candidates through email, on or before 13th September 2025.

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

APPROVED

01/09/25
Prof. Sumit Sen
Principal Investigator

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