

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Department of Hydrology

Dated: 25-9-2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for a project position as per the details given below for a research project under the Principal Investigator (PI) Prof. Manoj Kumar Jain and Co-PI Prof. Ashutosh Sharma at Department of Hydrology, Indian Institute of Technology, Roorkee.

1. **Title of project:** Comprehensive hydrological assessment of impacts of climate change on water resources in Sone River basin.
2. **Sponsor of the project:** DoWR, RD&GR, Ministry of Jal Shakti, GoI
3. **Project position(s) and number:** Research Associate-I (PDF) (01)
4. **Qualifications:** PhD in Hydrology/Water Resources Engineering/Civil/Agricultural Engineering with engineering background at Masters (M. Tech or M.E.) level.
5. **Emoluments:** 58,000 per month + HRA (as applicable)
6. **Duration:** up to the project completion (January 2028 tentative)
7. **Job description:** The project aims to quantify the impacts of climate change on meteorological processes and hydrology of the Sone River basin. The candidate is expected to have:
 - Knowledge in large data handling (satellite data, hydro-meteorological data, climate data etc.) with working knowledge of GIS/multispectral remote sensing, data processing and analysis.
 - Sound knowledge of hydrological models such as SWAT / VIC / WEAP.
 - Sound knowledge of handling big data, APIs, Google Earth Engine and machine learning algorithms.
 - Strong programming skills in R/Python/MATLAB is must.
 - Ready to carry out extensive fieldwork for hydrometeorological data collection, field surveys, etc.
 - Experience in writing papers/patents/technical reports etc. The candidate must have published at least one journal paper on the relevant topic in a Q1 journal.

Application Process:

1. Candidates, before applying, shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should bring with them the following documents at the time of interview:
 - Application on plain paper with a detailed CV including a chronological discipline of the degree/certificates obtained.
 - Experience including research, industrial field, and others.
 - List of publications/patents etc.
 - Self-attested copies of degree/certificate and experience certificate.
3. Preference will be given to SC/ST candidates on equal qualifications and experience.
4. The walk-in interview for the project position will be held in the committee room of Department of Hydrology, IIT Roorkee from 4 pm onwards on 14 October 2026.
5. No TA/DA will be paid for attending the walk-in interview.

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Email: manoj.jain@hy.iitr.ac.in

**MANOJ
KUMAR JAIN**

(Prof. Manoj Kumar Jain)

Name and signature
of Principal Investigator

APPROVED

[Signature]
25/9/26

Dean

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Digitally signed by MANOJ KUMAR JAIN
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