

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
(DEPARTMENT OF WATER RESOURCE DEVELOPMENT AND MANAGEMENT)

Advt. No.....

Dated: November 30, 2025

ADVERTISEMENT TO FILL UP PROJECT POSITIONS BY WALK-IN INTERVIEW

Applications are invited from Indian nationals only for project position (s) as per the details given below for the **research project(s)** under the Principal investigator, **Prof. Ashish Pandey, Professor, Department of Water Resource Development and Management**, Indian Institute of Technology Roorkee, Roorkee- 247 667, Uttarakhand (India). **Email:** ashish.pandey@wr.iitr.ac.in

1. **Title of project:** Assessment of Environmental Flows in the Ghagra and Gomti River Basin.
2. **Sponsor of the project:** NMCG, Ministry of Jal Shakti, New Delhi
3. **Project position(s) and number:**

Position & Monthly Emoluments	Required Qualifications
Four (4) - Junior Research Fellow (JRF), Rs. 37000/- + HRA as per institute rules	Essential Qualification: Master's Degree in Engineering/Technology in the field of Agricultural Engineering/Civil Engineering/Water Resources/Hydrology/Environmental Engineering/Fisheries Science from a recognized University or equivalent, and <u>GATE or CSIR-UGC NET Qualified</u> . Desirable Qualification: (i). Individuals with higher/additional qualifications, research experience, and publications in peer-reviewed journals in the field of water resources/fisheries resources management are preferred. (ii). Preference will be given to meritorious candidates with experience in environmental flow modelling (Hydrological, Hydraulic, Water Quality Modelling, and Habitat Modeling). Exposure to handling any hydrological and hydraulic modeling software, such as SWAT, HEC-RAS, MODFLOW, QUAL2K, HEC-EFM, and habitat simulation software like PHABSIM, etc.

Nature of Work: Field data collection using UAV, river survey using Hydro surveyor/ADCP, ERT, hydro-met data collection and analysis, water quality data collection and processing, Environmental Flow Modeling, Hydrological & Hydraulic Modeling, Ground Water Modeling, Water Quality Modeling, Habitat Simulation Modelling, presentation of work, report, and paper writing.

1. Duration: 3 years or the project completion duration, whichever is earlier.
2. Before appearing for the interview, candidates shall ensure they are eligible for the position they intend to apply for.
3. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the Interview:
 - Application in plain paper with a detailed CV including chronological discipline of degree/certificates obtained.
 - Experience includes research, the industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
4. Candidate shall bring the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
5. Preference will be given to SC/ST candidates on equal qualifications and experience.
6. No TA/DA is admissible for attending the interview.

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

The interview will be held at the Department of Water Resources Development and Management, IIT Roorkee, on **December 11, 2025 (Thursday) at 11:00 Hrs.** (to be given only for walk-in interviews)

Tel: 01332-285872; 09412070399 (Mob.)

Prof. Ashish Pandey (Principal Investigator)

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1. Dean SRIC
2. Institute Website, IIT Roorkee

*To be uploaded to the IIT Roorkee website.

Approved

Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

Date: 30/11/2025