

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Civil Engineering)

Dated: 09/02/2025

ADVERTISEMENT TO FILL UP PROJECT POSITION

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 (Name: **Dr.R. Vinnarasi**), Dept. Of **Civil Engineering**, Indian Institute of Technology, Roorkee.

1. **Title of project:** Hindon Roots Sensing (HiROS): River Rejuvenation through Scalable Water and Solute Balance Modelling and Informed Farmers' Actions
2. **Sponsor of the project:** DST, New Delhi
3. **Project position(s) and Number:** Project Scientist II — 01
4. **Qualifications:** Ph.D. in Civil or Agricultural or Environmental Engineering and M. Tech/M. E in Hydrology, Water Resources, Irrigation Water Management, Integrated Water Resources Management, Environmental Engineering and other relevant disciplines suitable for the project. Desirable: Minimum 2 QI publications.
5. **Emoluments:** Rs. 67000/month + HRA (As per Institute norms) 8%
6. **Duration:** 2.5 Months (Extendable based on performance and availability of funds)
7. **Job description:** This project aims to develop sustainable pathways for improving water quality and agricultural water management in the Hindon basin. The person appointed to this position is expected to: 1) investigate the current water gap and the influence of hydrological extremes and hydro-meteorological processes on solute transport Eco-hydrological modelling, 2) collect and process the requisite data, 3) prepare possible strategies to realise zero groundwater overdraft and improve surface water quality, 4) perform any other task assigned by PI.
8. Knowledge and experience in hydrological modelling, programming, statistical modelling and handling spatiotemporal climatic data is preferable.

NOTE:

1. Candidates, before appearing for the interview, shall ensure they are eligible for the position they intend to apply for.
2. Candidates desiring to appear for the Interview should fill in the details in the below link before 10th March, 2026 <https://forms.gle/GtipsAQ4SCd9XxQr9>
3. Necessary Documents to be uploaded.
 - CV
 - Chronological discipline of degree/certificates
 - Mark sheets
 - Experience including research, industrial field, and others.
 - Two recommendation letters
 - Publications
4. Preference will be given to SC/ST Candidates on equal qualifications and experience,
5. Please note that no TA/DA is admissible for attending the interview.

Note: The interview date and other details will be intimated to the shortlisted candidates.

Tel: 01332-284951

Email: vinnarasi@ce.iitr.ac.in

APPROVED

(R. Vinnarasi)
 Name and Signature of
 Principal Investigator

Dr. R. Vinnarasi
 Assistant Professor

Department of Civil Engineering
 Indian Institute of Technology Roorkee
 Roorkee - 247 667, Uttarakhand

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

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

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