

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
(Hydro & Renewable Energy)**

Dated: +May 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 consultancy/research project(s) under the Principal investigator (Name: Prof. Sonal K. Thengane), Dept./Centre: Hydro and Renewable Energy; Indian Institute of Technology, Roorkee.

1. Title of project: Trash is cash – Turning unmerchantable crop and forest residues into high-value, carbon-negative fertilizers for regenerative farming in rural communities
  2. Sponsor of the project: DBT, New Delhi
  3. Project position(s) and number: **1 JRF**
  4. **Qualifications:** B.Tech., M.Tech. (Chemical/Agriculture), M.Sc. (Chemistry or related branch), GATE/CSIR-NET/UGC-NET (not mandatory for PhD holders)
  5. Emoluments: JRF: Rs.37,000 per month + HRA
  6. Duration: 1 year
  7. Job description: Experimental investigation including characterization of biomass feedstock, reactor set-up and testing, preparing and testing biochar formulations, soil and plant growth analysis; Thermodynamic, techno-economic and life cycle analyses; Field visits and interviews of farmers
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 to the office of Principal Investigator through email, by post or produce at the time of Interview:
    - Application in a plain paper with detailed CV including chronological discipline of degree/certificates.
    - 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. 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.

The last date for application to be submitted to office of Principal Investigator is **May 10, 2026 by 5 PM.**

Offline walk-in interview will be held for the shortlisted applicants at HRED, IIT Roorkee. The details will be notified to the shortlisted candidates by email.

**Tel: 01332-284794**

**Fax:**

**Name and signature  
of Principal Investigator: Sonal K. Thengane**

**Email: sonalt@hre.iitr.ac.in**

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

**APPROVED**

*[Handwritten Signature]*  
Dean

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

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04/05/2026

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04/5/26