

SRIC/06

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

Dated: 12 Sep, 2022

**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. Pratham Arora), Dept./Centre: Hydro and Renewable Energy; Indian Institute of Technology Roorkee.

1. Title of project: Development of solar powered decentralized fertilizer production cum-irrigation units
2. Sponsor of the project: DST, New Delhi
3. Project position(s) and number: JRF; 1
4. Qualifications: M.Tech. (Chemical Engineering/ Mechanical Engineering/ Energy Engineering and equivalent) and should have qualified GATE
5. Emoluments: Rs. 31,000 per month (+ 8% HRA)
6. Duration: Initially for 6 months (may be extended further based on performance)
7. Job description: Techno-economic analysis, life cycle assessment, Solar PV-electrolyser modeling and fabrication, Solar PV pumping modeling and installation, System integration, Hydrogen/ammonia production and applications

**Instructions:**

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 **January 15, 2023 by 5 PM.**

The interview will be held online for the shortlisted applicants. The details will be notified to the shortlisted candidates by email.

Tel: 01332-284921

Fax:

Name and signature

of Principal Investigator: Prof. Pratham Arora

Email: [pratham.arora@hre.iitr.ac.in](mailto:pratham.arora@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**

*Pratham Arora*  
26/12/22  
डीन (सिक)/(Dean SRIC)  
भा. प्रौ. सं. रुड़की/IIT Roorkee  
*SPaul*  
26-12-22  
*Kulsh*  
26/12/22