

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Name of Dept./Centre)

Dated: 14/07/2026

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: **Asha Sharma**), Dept./Centre **Electrical Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project: **Prototype Development of Self-Powered Smart Insulator Units for High Voltage Distribution Networks Using Triboelectric Energy Harvesting**
 2. Sponsor of the project: **ANRF, New Delhi**
 3. Project position(s) and number: **Junior Research Fellow (JRF), 01 number**
 4. Qualifications:
Essential: First Class B.E./B.Tech. degree in Electrical Engineering, Electrical and Electronics Engineering, or an equivalent discipline, along with a valid GATE qualification.
Desirable: First Class M.E./M.Tech. degree in High Voltage or Power System Engineering along with a valid GATE qualification.
 5. Emoluments: JRF: ₹37,000/- per month for the first two years.
SRF: ₹42,000/- per month for the third year.
 6. Duration: 3 years. The selected candidate will be encouraged to register for the Ph.D. programme at IIT Roorkee, subjected to the Institute's rules and regulations.
 7. Job description
 - a. Develop self-powered smart insulator prototypes using triboelectric energy harvesting.
 - b. Test their electrical, mechanical, and environmental performance.
 - c. Integrate sensors and wireless monitoring for real-time condition assessment.
- A.
- Terms:
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 in a single pdf file to asha.sharma@ee.iitr.ac.in with subject line, "JRF Application":
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall produce the original degree(s)/certificate(s) and experience certificate(s) at the time of joining 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.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for application to be submitted to office of Principal Investigator is **07/08/2026** by 5 PM.

The interview will be held in hybrid mode. The date and time of the interview, along with the meeting link, will be communicated only to the shortlisted candidates via email.

Tel: 9621283840 (M), +91-1332-285636 (O)

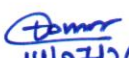
Email: asha.sharma@ee.iitr.ac.in


Dr. Asha Sharma
Name and signature
of Principal Investigator

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

Approved


Dean
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Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)


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