



DEAN SRIC OFFICE IIT ROORKEE	
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**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**Department of Mechanical & Industrial Engineering**

Dated: 24/09/2025

**ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW (JRF) POSITIONS \***

Applications are invited from Indian nationals only for project position(s)- **JUNIOR RESEARCH FELLOWS (JRF)** as per the details given below for the consultancy/research project(s) under the Investigators, Department of Mechanical & Industrial Engineering, Indian Institute of Technology, Roorkee.

- Title of project: "Research and Experiential Learning Centre on Sustainable Energy and Circularity"**
- Sponsor of the project: NTPC Limited, New Delhi**
- Project position(s) and number: JRF (1-2 Numbers)**
- Qualifications:**
  - Essential qualifications:**
    - The candidate must have a BTech in Mechanical Engineering from IITs/NITs/CFTIs/ or institute/university with NIRF ranking within top 100.
  - Desirable qualification:**
    - MTech/ME/MS in thermal/fluid/energy or related stream
    - Candidate with research experience (after BTech/BE/BS), with exposure of experimental research in the thermo-fluid area
    - Proficiency in computational software packages MATLAB, ANSYS/FLUENT/COMSOL/or pertinent modelling software
    - Demonstrated writing/communication/presentation skills
    - GATE score in last four years
  - Additional Information:**
    - Candidates can get the chance to work upon research theme of thermo-fluid/sustainability/ area/energy/bio-medical area with modern experimental tools
    - Can get publications in high impact factor journals
    - The selected candidate may get an opportunity for PhD admission subject to fulfilling the IITR norms, and satisfactory performance in project.
- Emoluments: Rs 37,000/- (Consolidated)**
- Duration: "Initially for a period of one year and may be extended up to the end of the project duration subject to the availability of fund and the candidate's performance."**
- Job description:**
  - Numerical modeling and simulation of thermal/energy recovery system
  - Development of experimental set-up and testing
  - Assisting PI in Market Survey and Purchase of equipment and fabrication of the set-up
- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply
- Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Investigators through email:
  - 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.
- Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
- Preference will be given to SC/ST candidates on equal qualifications and experience.
- Please note that no TA/DA is admissible for attending the interview.

**The last date for application to be submitted to office of the Investigators is October 11, 2025, by 5 PM.**

Shortlisted candidates will be informed through email about the interview. The interview will be held online (only if requested in advance).

\***Prof Manish Mishra** / **Prof Andallib Tariq (Investigators)**  
Tel: 01332- 285135/ 285728, Email: [ntpc.office@iitr.ac.in](mailto:ntpc.office@iitr.ac.in)

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

\* *[Signature]*  
24/9/25

\* *[Signature]*  
24/9/25

**APPROVED**

*[Signature]*  
Dean (SRIC) / (Dean SRIC)  
भा. प्रौ. सं. रुड़की / IIT Roorkee  
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