

Department of Physics
Indian Institute of Technology Hyderabad
Kandi Sangareddy Telangana – 502284

Advertisement for the Post of JRF in ISRO-RESPOND sponsored project

Applications are invited for the following position in a time-bound research project to be carried out at the Department of Physics, IIT Hyderabad

1	Name of post	Junior Research Fellow (JRF)
2	Project title	Waves, Instabilities, and Turbulence of the Heliosphere
3	Funding agency	ISRO-RESPOND, Govt. of India
4	Duration of project	10 months with possibility of extension for 2 more years
5	Monthly compensation	Rs. 37,000 HRA according to norms of the funding agency and institute
6	Minimum eligibility requirements	1. M. Sc. in Physics/B. Tech. in Engineering Physics or closely related fields with at least 60% marks or equivalent CGPA from recognized institutions 2. GATE or CSIR-UGC NET qualified
7	Desirable qualifications	Knowledge of plasma physics/space physics and computer programming
8	Age limit	Age should not be more than 28 years (relaxation up to 5 years may be considered for SC/ST/OBC/PwD/Women candidates)

About the project: This project involves data analysis of Aditya-L1 in-situ measurements of the turbulent solar wind plasma. The goal is to understand the heating mechanisms of solar wind involving waves and instabilities. The project will also include advanced numerical simulations of plasmas. This project is a collaboration between IIT Hyderabad and PRL Ahmedabad. There is also the possibility of converting to Ph.D. candidature. Please get in touch with Dr. Kirit Makwana at the email kdmakwana@phy.iith.ac.in for any queries.

Application procedure

- Prepare a single pdf file containing the following information
 - A Curriculum Vitae detailing your education and work history
 - Self-attested Bachelors and Masters mark sheets/transcripts
 - A brief statement (maximum 1 page) on your motivation to undertake this project and how you think you can contribute to it
 - Contact details of two references
 - GATE/NET scorecard
- Email the application file to Dr. Kirit Makwana at kdmakwana@phy.iith.ac.in . Please mention “Application for ISRO-RESPOND JRF” in the subject line
- Last date for submission of applications is 12th May 2025

Selection process: Candidates will be shortlisted based on merit and project requirements. Shortlisted candidates will be informed via email about interview details. Interviews will be held within a few days of close of applications. No TA/DA will be paid to the candidate for attending the interview. The selected candidate will be informed by email and will be required to join immediately.



Dr. Kirit Makwana
(<https://people.iith.ac.in/kdmakwana/>)