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## INSTITUTE FOR PLASMA RESEARCH

Near Indira Bridge, Bhat Village, Dist. Gandhinagar - 382 428, Gujarat, India

ADVT. NO.: 05/2025

### IPR INVITES APPLICATIONS FOR PhD IN PHYSICS-2025

Institute for Plasma Research (IPR) is a premier scientific research institute under the Department of Atomic Energy, Government of India, located in Bhat Village, Gandhinagar, Gujarat. IPR is engaged in magnetic confinement fusion research and development of plasma technologies for plasma applications and societal benefits. It has indigenously developed ADITYA and SST-1 tokamaks. It is also a domestic agency of ITER (International Thermonuclear Experimental Reactor, Caderache France) and a part of consortium in the international LIGO (Laser Interferometer Gravitational Observatory) program. It has extension laboratories at Facilitation Center for Industrial Plasma Technologies in Gandhinagar, Gujarat and Center for Plasma Physics (CPP) at Guwahati. Highly motivated candidates are hereby invited to pursue doctoral research in theory, experiment and computational plasma physics at IPR on wide variety of fields such as Dusty plasma, Laser-Plasma interaction, Industrial Plasma, Fusion Plasma, Tokamaks and Radio frequency Discharges and Applications etc.

**Educational Qualifications:** M.Sc. in one of the following subjects: Physics, Engineering Physics or Applied Physics with a minimum aggregate of 60%. Candidates must have Physics and Mathematics courses at the under graduate level. Candidates expecting a Master's degree (M. Sc.) in the year 2025 can apply. Candidates with BS/B.Sc. (4-years) in Physics with a minimum aggregate of 75% can also apply.

**Eligibility Criteria:** The candidates MUST have qualified at least one of the following national level examinations: (i) GATE in Physics (Paper code PH) valid for 2023/2024/2025 and (ii) CSIR-UGC-JRF-NET in December 2024 (January 2025) or June 2024 (August – September 2024) in Physical Sciences (Subject code PHY).

**Age Limit:** Not more than 26 years as on 1<sup>st</sup> August 2025 (born on or after 01/08/1999). Age relaxation is admissible to SC/ST/OBC/PWD etc. as per Government of India orders on the subject from time to time. Age relaxation: SC/ST – 5 Years; OBC – 3 Years and Persons with disability (PWD) of all categories – 10 Years.

**Selection Procedure:** Shortlisted candidates will be required to appear for a personal interview. The final selection of the candidates shall be based on performance in the interview.

**Interview Options:** Shortlisted candidates will be called for Personal Interview (PI). The candidates will be paid To and Fro Sleeper class Rail Fare to appear interview in IPR.

**Ph.D. Registration:** The selected Junior Research Fellows (JRFs) will be eligible for registration in the Ph.D. programme of Homi Bhabha National Institute (HBNI) (deemed to be university) subject to fulfillment of HBNI/UGC norms. The Degree will be awarded by the HBNI.

**Application Form:** The candidates are requested to fill the online application form, which is available in the IPR website [http://www.ipr.res.in/documents/jobs\\_career.html](http://www.ipr.res.in/documents/jobs_career.html) (ADVT # 05/2025). Short-listed candidates for the Physical-Interview shall be announced on the IPR website by **2<sup>nd</sup> May 2025**. In all cases, relevant information regarding the interviews will be emailed to the shortlisted candidates well in advance.

**Stipend & Facilities:** Consolidated stipend of Rs.37,000/- per month for first two years and Rs. 42,000/- per month for the next three years. Book grant of Rs. 60,000/- per year. Medical facility will be provided at a nominal charge. House rent allowance (HRA) as per IPR rules and regulations for those candidates who choose NOT to stay in IPR hostel.

**Hostel Accommodation:** Limited hostel accommodations are available in IPR premises for selected candidates. Women candidates and candidates with PWD shall be given preference for Hostel accommodation. Candidates are requested to mention their respective choice of accommodation in the application form.

**Important Dates to Remember:**

1. Opening Date for Online Application: **13<sup>th</sup> April 2025 (Time: 10:00 AM, IST)**
2. Closing Date for Online Application: **25<sup>th</sup> April 2025 (Time: 5:00 PM, IST)**

**IMPORTANT:**

- (a) All dates mentioned above (except AGE limit) may change. Please keep visiting this website for important information.
- (b) In case of cancellation of recruitment process of JRFs, the travel cancellation charges would be borne by the candidates. In case of rescheduling of personal interview process, travel-rescheduling charges will be borne by the candidate.
- (c) This institute reserves the right not to fill up the JRFs position or even to cancel the whole process of recruitment without issuing any notice or assigning any reason thereof.