



**PHYSICAL RESEARCH LABORATORY**  
**NAVRANGPURA, AHMEDABAD 380 009**

(Advt. No. 5/2002)

**Doctoral (Ph.D.) Programme in Physics, Astronomy, Astrophysics, Solar Physics and Earth Sciences**

Physical Research Laboratory (PRL) offers an excellent Doctoral Programme in Astronomy, Astrophysics and Solar Physics (at its Udaipur Solar Observatory Campus), Theoretical Physics, Earth, Planetary and Atmospheric Sciences, Computational Physics and Nonlinear Dynamics and Laser Physics and Quantum Optics. Details of the current research programmes and facilities can be seen on the PRL homepage <http://www.prl.res.in>.

Applications are invited for the Ph.D. programme under the following Streams:

*Stream 1:* Physics, Astronomy, Astrophysics, Solar Physics and Space Sciences.

*Stream 2:* Earth and Planetary Sciences.

**Essential qualification**

*Stream 1:* M.Sc. in Physics/Astronomy/Astrophysics/Space Science/Instrumentation/Electronics.

*Stream 2:* M.Sc. in Physics (with specialization in Nuclear Physics/Instrumentation/Electronics)/Chemistry (Physical/Nuclear)/Geophysics/Oceanography.

A minimum of 55% marks in M.Sc. and Physics and Mathematics subjects at B.Sc. level are necessary for both the Streams.

Candidates having cleared the **Joint CSIR UGC – JRF (NET)** examination in 1999/2000/2001 in **Subject Code-2** (Earth, Atmospheric, Ocean and Planetary Sciences) and **Subject Code-5** (Physical Sciences) will be called directly for interview at PRL. For other candidates, a written test will be conducted at PRL prior to the interview.

**Candidates who have appeared for the JEST–2002 written test need not apply again.**

**Application Procedure:** The application form can be downloaded from PRL homepage. Alternatively, an application can be made on plain paper, with the following details: (i) Choice of Stream: Stream 1/ Stream 2, (ii) Name, (iii) Date and Place of Birth, (iv) Permanent Address, (v) Address for Correspondence (Postal, E-mail, Phone, Fax), (vi) Examinations passed (Degree, Year, Subjects, Board/ University, % marks/CGPA), in a tabular form, starting with Higher Secondary School, (vii) Post-M.Sc. Employment record, if any, (viii) Any additional qualification/higher degrees/project works done, (ix) Details of any previous applications to PRL for research scholarship, (x) A letter of recommendation from an M.Sc. teacher (to be attached in a sealed cover or may be sent directly by the teacher to **Head, Academic Services, PRL**).

**NET qualified candidates should attach a photocopy of the NET examination result.**

**Stipend and Facilities:** Rs 5500 per month, enhanced to Rs 6000 (after two years) and, to Rs 6500 (after four years), following a review. Annual book grant of Rs 5000 for four years and hostel accommodation on nominal charges will be offered. Candidates called for written test/interview will be paid return second class train fare and per diem as per the rules.

Application with a recent passport-size photograph should be submitted by Post/E-mail ([psharma@prl.res.in](mailto:psharma@prl.res.in))/Fax (079-630 1502), to:

**Dr P. Sharma, Head, Academic Services, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009.**

**Last date for receipt of completed application: 15 April 2002.**