

# PHYSICAL RESEARCH LABORATORY

NAVRANGPURA  
AHMEDABAD 380 009

(Advt. No. 3/94)

## OPPORTUNITIES FOR Ph.D.

The Physical Research Laboratory, Ahmedabad, offers to highly motivated students excellent research opportunities in various areas of Experimental and Theoretical Physics. There exist further career opportunities for those who do exceptionally well in their research programme. More opportunities will be available to pursue research work in the experimental areas this year. The different research areas covered are as follows:

### EXPERIMENTAL PHYSICS

Astronomy and Astrophysics: Infrared, Optical and Radio Astronomy and Solar System Astrophysics.

Planetary Atmospheric Sciences: Physics of middle and upper atmosphere, Atomic and Molecular Physics.

Earth Sciences: Geochronology and Geochemistry, Glaciology, Oceanography and Palaeoclimate, Isotope Geology.

### THEORETICAL PHYSICS

Atomic and Molecular Physics, High Energy and Particle Physics, Meteorology and Climate Studies, Non-linear Dynamics, Nuclear Physics, Plasma Physics and Astrophysics.

Students selected on the basis of their academic record, written test and personal interview will be designated as Research Scholars and undergo a course work in various topics during the first year. Continuation of the Research

Scholarship is subject to successful completion of the course work during the year.

### **SCHOLARSHIP**

Selected students would be paid a scholarship of Rs 2600 per month. The scholarship may be raised after appropriate evaluation to Rs 2800 per month after two years and to Rs 3000 per month after four years. A book allowance of Rs 3000 per year for four years, starting from the first year of research scholarship is also provided to enable them to buy books for their research. Selected candidates will be provided accommodation in our Students' Hostel.

### **QUALIFICATION**

M.Sc degree in Physics with First or High Second Class and consistently good academic record is necessary. For programme in Earth Sciences, candidates with M.Sc., degree in Chemistry (Physical or Inorganic Chemistry), Geology and Oceanography, may also apply. However, all applicants must have had their B.Sc. degree with Physics and Mathematics.

Additional information and application form can be obtained from:

The Deputy Registrar  
Physical Research Laboratory  
Navarangpura  
Ahmedabad 380 009

Duly completed applications should reach the same address on or before Monday, 2 May 1994.

Selected candidates called for written test and interview from outstations will be paid to and fro second class railway/bus fare, whichever is less, by shortest route from the address given in the application.

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