



Physical Research Laboratory
(A Unit of Department of Space, Govt. of India)
Navrangpura, Ahmedabad - 380009, (Gujarat), India

Advt. No. – 13/2025

Position available for Laboratory Assistants

Applications are invited from highly motivated and eligible candidates for the following temporary position at the Physical Research Laboratory (PRL), A Unit of the Department of Space, Government of India, Navrangpura, Ahmedabad-380009.

Name of the post: - Laboratory assistant

No. of vacancies: -3 (Three)

Consolidated Remuneration: Rs. 23,500

No	Name of the Laboratories	No. of Vacancy	Qualifications/ Experience
1.	Low-temperature astrochemistry laboratory	One	Minimum Qualification: B.Sc. in Physics Desirable: Working Experience in experiments under UHV (Ultra-High Vacuum) conditions
2.	Laboratory for analysis of extra-terrestrial samples and their analogs	One	Minimum Qualification: B.Sc. in Geology / Geophysics / Physics / Earth Science / Planetary Science Desirable: Prior knowledge of chemical research with geological samples and/or working experience in laboratory instrumentation
3.	Planetary Remote Sensing Laboratory	One	Minimum Qualification: B.Sc. in Physics/ Geology/ Geophysics Desirable: Having specialization in optics and/or working experience in experiments under UHV (Ultra-High Vacuum) conditions.

Selection Process

Interested candidates may appear for an **interview** by filling the following online form and by providing the supporting documents:

- Fill the following form online:
<https://docs.google.com/forms/d/e/1FAIpQLSdw3SCzTNwD8TlSbfn7Dfcixkq0GYZoj6kpmc5HxFflqp8zTw/viewform>
- Candidates need to provide the following documents
 - Certificates of educational qualifications (10th standard onwards)
 - Proof of date of birth
 - Research experience, if any
 - Internship details

Important Dates

- Last date of application – 31st December 2025

Terms & Conditions

- The position is **purely temporary/contractual**; no claim for regular or permanent appointment at PRL.
- Tenure: **initially for one year**, extendable up to a maximum of **three years**, subject to annual performance evaluation and availability of funds/laboratory requirements.
- **Maximum age limit**: 28 years (as on the last date of application).
- **Age relaxation**: As per the Government of India rules.
- **Consolidated Remuneration: Rs 23,500.**
- Candidates must bring **original certificates** and one set of self-attested copies of all documents (educational qualifications from standard 10, experience, date of birth, etc.); candidature is subject to verification of originals.
- **No TA/DA** will be paid for attending the interview or selection process.
- Mere fulfillment of the **minimum eligibility criteria does not guarantee selection**; the decision of the selection committee will be final.
- The **Physical Research Laboratory** reserves the right to **reject any or all applications** and to **not fill the advertised position**, without assigning reasons.
- All other conditions will be governed by **PRL/ Government of India rules**.

Contact:

Physical Research Laboratory

Planetary Science Division

Navrangpura, Ahmedabad- 380 009.

E-mail: psdn@prl.res.in

More Information regarding specific laboratories

1. Low-temperature Astrochemistry Laboratory

Summary: The interstellar medium (ISM), the vast space between the stars, is a rich reservoir of complex molecules. Since solar systems like ours are evolved in the ISM, the study of generation mechanisms of these molecules in the ultra cold and ultra high vacuum conditions of ISM is of paramount importance. Analysis of cometary ices and meteoritic material also shows remarkable similarity with the interstellar ices. Thus study of the chemical evolution of ISM gives an insight to the primordial composition of our planet Earth, thereby addressing the issue of how life originated on Earth. In the last few decades, it has become clear that gas phase reactions alone can not explain the molecular abundance in the ISM. The chemical reactions that occur on interstellar dust grains are needed to explain the formation of several molecules, if not all. The dust grain surface plays a key role as catalytic sites in the formation of these molecular species. The aim of the project is to study physical and chemical processes that occur during the interaction of gas and dust in the laboratory simulated conditions of dense interstellar medium. The selected candidate has to work in the low-temperature astrochemistry laboratory, Planetary Science Division.

2. Laboratory for analysis of extra-terrestrial samples and their analogs

Summary: Planetary Science requires an understanding of the processes that shaped the planets during the course of their evolution. The samples keep the frozen records of those processes. This necessitates major-, minor-, trace-element, and isotopic analysis of mineral phases and whole rock of the extra-terrestrial and analog samples using state-of-the-art lab instruments. This work aims to do the required laboratory analysis of the extra-terrestrial samples, simultaneously set up and daily maintain the supporting labs. The selected candidate has to work in the sample analysis labs of the Planetary Science Division.

3. Planetary Remote Sensing Laboratory

Summary: Reflectance spectroscopy in UVVISIR is a powerful technique for determining the composition and physical properties of planetary surfaces from a distance. Various ongoing, recently concluded, and future planetary missions, including Chandrayaan-1 (2008), Chandrayaan-2 (2019), Chandrayaan-5 (ISRO-JAXA Lupex Moon mission), Dawn (2007), and Mars Reconnaissance Orbiter-MRO (2005), carry either one or a suite of reflectance spectrometers. This project aims to carry out laboratory reflectance spectroscopy of planetary materials (meteorites and returned samples) and their terrestrial analogues using a spectroradiometer, spectro-goniometer, and a planetary environmental chamber for building a spectral library to aid in planetary remote sensing data analysis and sensor characterization for future missions.
