

PHYSICAL RESEARCH LABORATORY
Navrangpura, Ahmedabad - 380009, India

Advt. No. – 14/2023

Position available for Project Associate

Applications are invited for the position of Project Associate (PA-I), for a period of three years at Physical Research Laboratory (PRL), Ahmedabad. This position is for a project entitled “**Role of Physical and Chemical Processes on the Climate of Mars/Venus**”, funded by the Core Research Grant (CRG) of the Science and Engineering Research Board (SERB), DST.

Name of the Post	No. of Vacancy	Age as on last date of application	Qualifications/ Experience	Fellowship per month (Consolidated)
Project Associate-I (PA-I) (under SERB-CRG project)	1 (ONE)	Maximum 28 Years	M.Sc. in Physics, or M.Tech/M.Sc in Atmospheric Science, with minimum 60% marks as average of all semesters or CGPA/CPI grading of 6.0 on 10 points scale or equivalent. Desirable: good knowledge of programming languages and plotting packages, experience in numerical simulations.	1. Rs. 31000/- per month + HRA (as per prevailing rates) for NET/GATE qualified. 2. Rs. 25000/- per month + HRA (as per prevailing rates) for Non-NET/GATE.

Interested candidate may send a letter of motivation and latest Curriculum Vitae (should include educational qualifications from 10th onwards, date of birth, research experience if any, internship details, programming skills etc.) along with scanned copies of all the relevant documents through e-mail (with subject “Project Associate application for SERB-CRG Project”) to the project investigator:

Prof. Varun Sheel
Senior Professor & Head,
Planetary Science Division
Physical Research Laboratory
Navrangpura, Ahmedabad- 380 009.
E-mail:varun@prl.res.in

Last date of receipt of applications: **22nd October, 2023**

Terms & Conditions:

1. The above position is purely contractual and coterminous with the project.
2. Initial appointment is for one year, which is extendable up to three years upon successful annual evaluation of the candidate.
3. Only shortlisted candidates will be intimated for an online interview.
4. Participation in selection process is subject to possessing relevant original documents substantiating online application submitted by the candidates.

Project description (“Role of Physical & Chemical Processes on the Climate of Mars/ Venus”):

The current climate of Mars is controlled by interactions between trace constituents and dust aerosols, coupled through dynamics and radiative processes. The effect of near surface physical processes on the dust storms on Mars, is still a challenging area of research. In the Venus atmosphere, a cloud layer at about 45-70 km plays a vital role in determining the atmospheric dynamics and climate of Venus. Many processes in this region are still not clearly understood, for example mechanisms leading to lightning and its effect on the constituents, the origin and characteristics of a charged region called the ionosphere etc.

All such important science questions will be addressed in this project through theoretical modelling and analysing observations from planetary missions. As a result, we will gain a better insight into the development of our experiments, to be flown in India’s future missions to Mars and Venus.