Software Engineer (SUIT Payload)

Remuneration: Rs. 40,000/- per month

No. of Post(s): 01 (One)

Age Limit: 35 years (Relaxation as per Govt. of India norms)

General Statement and Description:
ISRO's Aditya-L1 mission will be a unique space-based Solar Observatory which will observe the Sun from the vantage location of the first Sun-Earth Lagrange point (L1), about 1.5 million kilometers away from Earth. The mission is scheduled to be launched in 2020 and is nominally planned for a five-year lifetime with the possibility of longer operations. The Solar Ultraviolet Imaging Telescope (SUIT) payload on board Aditya-L1 will provide full disk images of the Sun in 11 different passbands between 200-400 nm.

Qualification & Experience:
Candidates with a degree in engineering (of any stream) or Masters in Physics, Computer applications, electronics or mathematics can apply. Experience and proficiency in programming with Python and C/C++ is required for this project. Familiarity with other high-level programming languages like Interactive Data Language (IDL) and Java, web development tools like PHP, Databases and management tools, will be preferred. Any previous experience with Astronomy data handling and pipeline development will be useful. The candidate should be willing to learn the requisite abilities quickly and work with a team.

Job Description:
The successful candidate shall primarily work on developing pipeline tools for post processing of the data, developing data-base to manage the data and web interfaces to present results and quick look images and movies. The candidate will work with the SUIT team mostly at IUCAA, but should be willing to spend extended time at collaborating facilities of ISRO and other institutes.

Period of Contract: Initially for three years (annually reviewed and renewable based on the performance). There is a possibility that the contract may extended for a period of additional two years.

Last date of application: September 21, 2020