

Subject: Temporary “Post-Doctoral Position” under DST Sponsored Project at the Indian Beamline at Photon Factory, KEK, Japan – Phase II.

Number of vacancies: Two (2).

An Indian beamline has been set up at “Photon Factory” synchrotron radiation facility (Beamline 18B) (<http://www.saha.ac.in/web/photon-factory-home>) in Japan for catering the need of Indian scientists in the subject areas of (i) Powder diffraction including diffraction from nanomaterials at various sample environment like low/high temperatures (10 K to 300K and 300 K to 1300 K) and high pressures (up to 30 GPa). (ii) Diffraction from single crystals including epitaxial multilayers. (iii) X-ray reflectivity and diffuse scattering from solid surfaces/interfaces and (iv) a special set up to carry out reflectivity, diffuse scattering and grazing incidence diffraction studies of liquid surfaces. The project is sponsored by Department of Science and Technology (DST), Govt. of India and coordinated by Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru in collaboration with Saha Institute of Nuclear Physics, Kolkata.

Applications are invited from eligible candidates (Bonafide Indian nationals only) on plain paper to work on the project. Candidates with Ph.D. degree will work in the capacity of Research Associate for a minimum period of one year for carrying out scientific responsibilities and to support users of the Indian Beamline. A panel of personnel will be selected by a committee on the basis of qualification and experience in similar projects. The selected candidate will also get a fixed amount of beamtime to carry out his/her own research activities. Interested candidates should apply with an updated CV and arrange to send 2 letters of recommendations. Candidates having experience in powder x-ray diffraction in high pressure, low temperature and/or experience in surface scattering techniques like reflectivity, GISAXS will get preference. Those holding a permanent position are also encouraged to apply through proper channels, preferably sending an advanced copy by email.

Remuneration Details:

- i) Candidates holding Ph.D. degree: Will be posted for approximately 6 months in KEK and remaining period of the year in India. When posted at KEK, a subsistence allowance of Rs. 2,10,000/- (equivalent to JPY 3,30,000 approximately at present conversion rate) per month will be paid and Rs. 50,000 (fixed) will be paid for the period of stay in India. The period of stay in Japan or India may change depending on activities in the beamline.
- ii) Candidates who have submitted Ph.D thesis but not holding the degree: Can be posted at KEK for a period of maximum 5 months in a year. A subsistence allowance of Rs. 1,55,000/- (equivalent to JPY 2,40,000 approximately at present conversion rate) per month will be paid for the period of stay in Japan.

Address for sending application: Prof. Chandrabhas Narayana, Jakkur, Bengaluru-560 064, INDIA.

Candidates should also send a copy of the application through email to india.japan@saha.ac.in.

Last date for receiving the application: 30th November, 2016.