



## Saha Institute of Nuclear Physics

### Positions for Post-Doctoral Fellow and Scientific Officer/Assistant at the Indian Beamline at Photon Factory, Japan

Advt No. SINP/Estt/Advt./07/2011

Date: 09 August 2011

An Indian beamline has been set up at 'Photon Factory' synchrotron radiation facility (<http://www.kek.jp/intra-e/press/2008/PFMoU.html>) 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 (2–800 K) and high pressures. (ii) Diffraction from single crystals including epitaxial multilayers. (iii) X-ray reflectivity and diffuse scattering from solid and liquid surfaces/interfaces. (iv) Online growth and structural characterization of thin films and nanostructures using dedicated UHV system. (v) Small angle X-ray scattering from bulk materials and interfaces. The project is sponsored by Department of Science and Technology (DST), Govt of India with Saha Institute of Nuclear Physics being the nodal institute implementing the same.

Applications are invited from eligible candidates (Indian nationals only) on plain paper to work on the project. Candidates with Ph.D. degree will work in the capacity of post doctoral position for a minimum period of one year for carrying out scientific responsibilities of Indian beamline. This candidate may or may not possess any permanent position in India. Candidates not holding a Ph.D. degree and working in a permanent position as Scientific Officer and Scientific Assistant in Indian Universities/Research Institutes/Laboratories/Consortiums may also apply for deputation for duration varying from 3 months to 1 year to set up the experimental stations, maintenance and technical support to the users. A panel of personnel will be selected by a committee on the basis of qualification and experience in similar projects. Interested candidates should apply with an updated CV and arrange to send two letters of recommendations. Those holding a permanent position should apply through proper channels, preferably sending an advanced copy by e-mail.

Address for sending application: **The Principal Investigator**, Indian Beamline at Photon Factory, Surface Physics Division, Saha Institute of Nuclear Physics, 1/AF, BidhanNagar, Kolkata 700 064, India. Candidates should also send a copy of the application through e-mail to [india.japan@saha.ac.in](mailto:india.japan@saha.ac.in). Last date for receiving the application by post: **15 October 2011**.