

# Indian Beamline at Photon Factory, Japan

Coordinated by Saha Institute of Nuclear Physics, Kolkata  
(Funded by Department of Science and Technology)

## Call for Scientific Proposal Submission for Obtaining Beamtime for Indian Scientists

The Indian Beamline at 'Photon Factory' synchrotron radiation facility (<http://www.kek.jp/intra-e/press/2008/PFMoU.html>) in Japan has been set up successfully to cater the need of Indian scientists in the subject areas of (i) Powder diffraction including diffraction from nanomaterials at various sample environment like low temperatures (10 K to 300 K) and high pressures up to 30 GPa, (ii) Diffraction from single crystals including epitaxial multilayers and (iii) X-ray reflectivity and diffuse scattering. 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. The Beamline is now open for carrying out experiments by intended Indian users. Indian scientists who are interested to make use of this facility are required to submit scientific proposals which will be evaluated by an expert committee in India and subsequently beamtime will be allotted depending on the scientific merit of the proposal and availability of beamtime.

For each accepted proposal, a maximum of two users will be supported for travelling to Indian Beamline, Photon Factory and living expenses from the project. There will be two deadlines for receiving the proposals in a year, viz., **15 June** and **15 December**.

### Details of proposal:

1. Not more than 2 pages on A4 paper with single line spacing and 10-point Times New Roman font. The description of the experiment must include: (A) Background, (B) Motivation for the present proposal, (C) Experimental plan, (D) Need for using synchrotron radiation and (E) References. Descriptions have to be self-contained and the required figures or pictures must be included with the text of the proposal.
2. One page bio-data of the Principal Investigator (PI) who will submit the proposal should be attached with the proposal.
3. Proposals can be submitted by sending e-mail to [india.japan@saha.ac.in](mailto:india.japan@saha.ac.in) with subject line 'Proposal for Indian Beamline by \_\_\_\_\_', where the name of the PI should be included. Alternatively, three hard copies of the proposals may be sent to **The Principal Investigator**, Indian Beamline at Photon Factory, Surface Physics Division, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata 700 064.
4. Proposals reaching before the deadline will only be considered for the current term, while those reaching after the deadline will be considered for next term only.