



## Jawaharlal Nehru Centre for Advanced Scientific Research (A Deemed University)

### One Postdoctoral Position under the DST Project Indian Beamline at Photon Factory, KEK, Japan – Phase II

Applications are invited for the award of Postdoctoral Fellowship for pursuing Materials Research in frontier areas particularly involving Nano-materials using Synchrotron at Indian Beamline in the Photon Factory, KEK, Japan. For details about Beamline Project/Facility, visit website <http://www.saha.ac.in/web/photon-factory-home>

The fellowships are awarded under the Mission on Nano Science and Technology (Nano Mission) of the Department of Science and Technology, Government of India.

#### Eligibility and Other Details

The applicants should either hold a Ph.D. degree in Science or Engineering (preferably in the areas of Physics, Chemistry or Materials Science) or should have submitted the Ph.D. thesis involving some research experience in X-ray diffraction techniques. Preference will be given to the candidates having experience in synchrotron studies involving in one of the three techniques, namely high pressure, low temperature or surface scattering techniques like reflectivity, GISAXS. The candidate (below 40 years of age) should have a very good academic record and should have proven interests in Nano Science and Technology.

Those holding a permanent position are also encouraged to apply for a deputation through proper channel, preferably sending an advanced copy by e-mail.

The selected candidate will be the local in-charge of the Indian beamline and will work at KEK to support users of the Indian beamline (posted in KEK for approximately 6 months or more depending on activities in the beamline) and remaining period of the year in India. The selected person will have own beamtime to carry out research activities and will be provided opportunities to collaborate with scientists in KEK and visiting scientists from India.

The term of the fellowship is for one year and depending on the performance of the candidate the fellowship may be extended for two more years.

**Remuneration:** Candidates with Ph.D. degree when posted at KEK, Japan will be paid a remuneration inclusive of subsistence allowance of approximately Rs 210,000 per month (equivalent to JPY 330,000 at present conversion rate). When posted in India, they will be paid Rs 50,000 (fixed) p.m. Candidates who have submitted Ph.D. thesis but not awarded the degree will be paid approximately Rs 153,000 per month (equivalent to JPY 240,000 at present conversion rate) and when posted in India, they will be paid a remuneration of Rs 35,000 p.m. (fixed).

#### Mode of selection

The candidates will be selected based on the recommendations of a Selection Committee after the scrutiny of their bio-data, research proposal and performance in the interview. Applicant's academic and research record, and the merit of the proposed research will be the key factors for consideration of the application.

#### Mode of application

**For Postdoctoral Fellowship:** Candidates may submit their application along with bio-data, a list of publications (attach reprints of 2 important papers), copies of certificates (B.Sc., M.Sc., M.Tech., Ph.D.), one-page synopsis of the Ph.D. thesis, a summary of research carried out. The candidate should request three referees to send their confidential evaluation directly to the address given below.

A declaration stating that if selected for the fellowship, the candidate will complete the tenure of the fellowship should also be furnished.

Interested candidates can send their applications along with an updated CV and 2 letters of recommendations to the Faculty Coordinator of the project: **Prof. Chandrabhas Narayana**, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, India, before **31 January 2018**. Candidates should also send a copy of the application through e-mail: [india-japan@jncasr.ac.in](mailto:india-japan@jncasr.ac.in).

Applications along with the enclosures should be in sent in the pdf form with subject line 'Application for DST PDF' to [india-japan@jncasr.ac.in](mailto:india-japan@jncasr.ac.in). The last date for receiving applications is **31 January 2018**.