

**JAWAHARLAL NEHRU CENTRE FOR
ADVANCED SCIENTIFIC RESEARCH
(A DEEMED UNIVERSITY)**

Jakkur Post
BANGALORE 560 064

**Advertisement for the position of Postdoctoral Fellowship to work under Synchrotron at Indian
Beamline in the Photon Factory, KEK, Japan**

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/index.php/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.

No. of Position: With a PhD. Degree(One).
Without a PhD. Degree (One).

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 have submitted the final synopsis for the Ph.D. thesis involving research experience in X-ray scattering 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 on 15th February, 2020) 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 the final synopsis for Ph. D thesis or 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 in x-ray synchrotron related experiments, 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 an updated bio-data, a list of publications (attach reprints of 2 important papers), copies of all the available 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 one referee 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 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. Candidates should also send a copy of the application along with the enclosures in the pdf form with subject line “Application for DST PDF in KEK” to the e-mail address [india-japan@jnrcasr.ac.in] The last date for receiving applications is **15th February, 2020.**