

Advertisement for the post of Junior Research Fellowship (JRF)

Applications are invited for the post of **Junior Research Fellowship (JRF)** for Board of Research in Nuclear Sciences (BRNS–DAE) project titled: (1) 'Development of numerical model for inductively coupled plasma reactor and its experimental validation'; (2) 'Design development and construction of solid state pulse power modulator in' **VJTI-Siemens High-Voltage Laboratory** of the Electrical Engineering Department, VJTI, Matunga, Mumbai 400 019.

Qualifications : For Project 1: M.Sc. (Physics or Electronics) or B.E. (Electrical or Electronics)
For Project 2: B.E. (Electrical or Electronics)

Period of Project : (1) Project 1 – 3 years
(2) Project 2 – 1 year

Emoluments : Rs 8000 per month (consolidated)

HRA : Admissible as per rules

Scope for higher studies : JRF can register for higher studies by research and the tuition fees to undertake such studies will be reimbursed.

Application should reach the following e-mail address within 15 days from date of this notification. **E-mail: bklande@hotmail.com; ham_vjti@yahoo.com. Dr B. K. Lande/Dr H. A. Mangalvedekar, High Voltage Lab, Dept of Electrical Engineering, VJTI, H.R. Mahajani Marg, Matunga, Mumbai 400 019.**

Proposals for Research in Femtosecond and Picosecond Fluorescence Spectroscopy

Proposals are invited for using the DST-sponsored facility (project no. IR/11/CF-01/2002) for fluorescence life time measurement. At present, the picosecond facility has diode lasers for excitation at 375 nm and 405 nm. The femtosecond up-conversion facility is currently set up for excitation around 400 nm and in near future will be extended to 280 nm. Interested users may contact Professor Kankan Bhattacharyya, Physical Chemistry Department, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032 preferably by e-mail at pckb@mahendra.iacs.res.in