



## National Institute of Advanced Studies, Bengaluru

### Call for Applications: Research Associate/ Post-Doctoral Fellow in Power System Modeling

National Institute of Advanced Studies (NIAS) was conceived and founded in 1988 by the late Mr J. R. D. Tata, who sought to create an institution to conduct advanced multidisciplinary research. Housed in a picturesque green campus in Bengaluru, the Institute serves as a forum to bring together individuals from diverse intellectual backgrounds, in the natural and life sciences, humanities, social sciences, and conflict and security studies. The philosophy underlying NIAS is given shape by its multidisciplinary research teams. The Institute is unique in its integrated approach to the study of intersections between science and technology, philosophy, social issues and leadership. The objective is to nurture a broad base of scholars, managers and leaders who would respond to the complex challenges that face contemporary India and global society, with insight, sensitivity, confidence and dedication. Please go through our website ([www.nias.res.in](http://www.nias.res.in)) for more details.

NIAS is recognized as a centre for research by the Government of India (GoI) and several universities. The Energy and Environment Program (EEP) is currently implementing a multi-year research grant from the Department of Science and Technology (DST) to develop 'An Integrated Approach to Development and Environment in the Power Sector'. The over-arching goal of this research is to detail the state-wise, time-bound, transition plans in relation to the electricity sector, which will help achieve an optimal electricity mix for the Southern region at various time horizons in 2022 and beyond.

#### Eligibility

EEP is now recruiting a Research Associate/Post-Doctoral Fellow who has demonstrable expertise in techno-economic modelling of regional/national electricity networks to develop a power system model (using off-the shelf or generic software) of the four major states in the Southern region in India. The position requires a candidate with:

- A Doctorate in Electrical Engineering/Power Systems/Industrial Engineering/Management (with a bachelor's degree in Electrical Engineering).

OR

- At least three years of experience in research/teaching/design in the area of Power Systems after securing a M.E./M.S./M.Tech. degree in Electrical Engineering/Power Systems resulting in at least one research paper related to Power Systems in a Science-Citation-Indexed (SCI) journal.

The monthly emolument for this position is Rs 40,000 + HRA (currently 24% of the basic fellowship amount).

#### How to apply

Interested applicants should submit their curriculum vitae, including names and addresses of three referees, two relevant publications and a brief statement of interest (not exceeding 1000 words) explaining their research plan in undertaking the project if given an opportunity to join the above-mentioned position at NIAS. Please collate all documents in a single electronic folder and e-mail it to: [eepdst@nias.res.in](mailto:eepdst@nias.res.in).

#### General

NIAS will accept only applications submitted by e-mail. All applicants should clearly state:

- Research Associate/Post-Doctoral Fellow for EEP Projects in the subject line of their e-mail.

This is a rolling advertisement and applications received will be assessed periodically to invite short-listed candidates to deliver a talk on their previous work and proposed research plan before they are interviewed at NIAS on the same day.

Outstation candidates will be provided to-and-fro train fare (3rd AC class) by the shortest route as well as accommodation in the NIAS GH depending on availability. For additional information, applicants may contact: [eepdst@nias.res.in](mailto:eepdst@nias.res.in).