



## National Institute of Advanced Studies, Bengaluru

### Call for Applications: Project Staff (Post-Doctoral Fellows, Research Fellows and Project Assistants) in the Energy and Environment Programme

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. For more details: [www.nias.res.in](http://www.nias.res.in)

NIAS is recognized as a centre for research by the Government of India (GoI) and several universities. The Energy and Environment Programme (EEP) has recently secured a 3-year research grant from the Department of Science & Technology (DST) to develop 'An Integrated Approach to Development and Environment in the Power Sector'. The over-arching goal of this research is to find optimal technology and policy interventions to be implemented at the state and central levels to meet the Southern Region's growing needs for reliable, low-cost energy while mitigating the environmental impacts of coal utilization. The final report of this project will 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 by the year 2030. EEP is now recruiting capable and enthusiastic project staff at various levels to accomplish these key objectives.

#### Eligibility

**Post-Doctoral Fellow:** The position requires a candidate with a doctorate in Electrical Engineering/Industrial Engineering/Power Systems/Thermal Engineering or Management (with a bachelor's degree in engineering), from a reputed institution/university in India or abroad who has demonstrable expertise in techno-economic modelling of regional/national electricity networks.

The monthly emoluments are fixed between Rs 36,000 and 40,000 + HRA as applicable to Bengaluru, which is currently 24% of the basic fellowship.

**Junior Research Fellows (JRF):** Master's degree in Electrical/Mechanical/Power Systems/Thermal Engineering or Management (with a Bachelor's degree in engineering) from a reputed institution/university with a minimum of 60% marks or CGPA of 7.0 (10-point scale) or CGPA of 3.5 (5-point scale) at the undergraduate and graduate levels.

The monthly emoluments are fixed at Rs 25,000 + HRA as applicable to Bengaluru, which is currently 24% of the basic fellowship.

**Project Assistants:** Bachelor's degree in Electrical/Mechanical/Power/Thermal Engineering from a reputed institution/university with a minimum of 60% marks or CGPA of 7.0 (10-point scale) or CGPA of 3.5 (5-point scale) at the undergraduate level.

Selected candidates will be entitled to a consolidated stipend of Rs 15,000 per month as per applicable DST norms.

#### How to apply

**Post-Doctoral Fellow:** 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 under taking 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: [eepmoes@nias.res.in](mailto:eepmoes@nias.res.in).

**JRF/Project Assistant:** Interested applicants should submit their curriculum vitae and a brief statement of interest explaining why they are interested in joining the programme. Please collate all documents in a single electronic folder and e-mail it to: [eepmoes@nias.res.in](mailto:eepmoes@nias.res.in).

**General:** All positions are for a tenure of three (3) years subject to annual performance assessment. NIAS will accept only applications submitted by e-mail. The deadline for receipt of e-mailed applications is **31 August 2018**. All applicants should clearly state the position applied for in the subject line of their e-mail.

For additional information, applicants may contact: [eepmoes@nias.res.in](mailto:eepmoes@nias.res.in). Short-listed candidates will be invited to NIAS for an interview during which accommodation will be provided. Short-listed candidates for the position of Post-Doctoral Fellow and JRF will also be reimbursed to-and-fro railway fare (3rd AC for Post-Doctoral Fellows and 2nd class non-AC sleeper for JRF) by the shortest route. The shortlisted candidates for the Post-Doctoral Fellow position should be prepared to deliver a talk on their previous work and proposed research plan before they are interviewed at NIAS.