



**Opportunities at  
National Institute of Advanced Studies, IISc Campus, Bengaluru**

**For Project-funded Research Fellowships for Post-Doctoral Fellows, JRF/SRF, and  
Research Assistants in the Energy and Environment Research Program**

The National Institute of Advanced Studies (NIAS), a visionary initiative of J R D Tata, has a mandate to create leaders of substance and credibility in a variety of domains in India, and to carry out in-depth, policy relevant research from a multi-disciplinary perspective, drawing on a wide spectrum of disciplines in the humanities, social sciences, and natural sciences. Please visit our website ([www.nias.res.in](http://www.nias.res.in)) for a comprehensive perspective.

NIAS is seeking capable and enthusiastic Researchers/PhD students interested to conduct multi-disciplinary research on GOI-funded, multi-year projects in the Energy and Environment Research Program (“Program”) at NIAS. The Program seeks to bring in the much-needed integration to Energy, Environment, Natural Resources, and Climate Change studies at a time when India’s Power sector is undergoing a multi-faceted transition in terms of more stringent environmental standards while faced with a growing demand due to the aspirations of Indians for a better standard of living. In this context, the Program has secured/poised to secure, two 3-to-5-year grants from GOI to conduct multi-disciplinary research on a series of inter-linked projects.

The broad objectives of these research projects are as follows:

- To study the environmental and climate impact (including, CO<sub>2</sub> and SO<sub>2</sub> emissions) of energy projects at the local and regional levels and to examine means to mitigate the same;
- To study the pathways to an optimal energy mix given the practical constraints in finances, supply and demand, security of supplies;
- To understand the energy-water-land-agriculture nexus and recommend measures for energy projects (such as mining and power) to become more sustainable given the resource endowments, while transitioning to a regime more supportive of ecology and the communities in the long run;
- To formulate policies and mechanisms to make energy generation and delivery projects more efficient, clean, cost-effective, and accessible to all, particularly to the households and other consumers who are unserved or under-served today;
- To study demand side responses of different sectors (domestic, transport, industries, commercial, agriculture) to achieve an efficient and equitable utilization of energy with minimal impacts on environment;
- To explore the correlations between energy parameters and indicators of human development and quality of life;
- To develop policy recommendations for Technology and Policy interventions at the State and Central levels to meet India’s NDCs while progressing towards the achievement of the Sustainable Development Goals (SDGs) by 2030.

NIAS is looking for bright and highly motivated individuals suitable **Post-Doctoral Fellows, Junior/Senior Research Fellows, Research Assistants**, to work towards fulfilling aforesaid objectives through inter-linked but self-contained projects through both field and analytical studies which will form the basis for policy recommendations after incorporating the views of different key stakeholders.

### **Post-Doctoral Fellows (FOUR open positions)**

For Post-Doctoral positions, we are looking for candidates with a recent doctorate in any of the relevant disciplines in technology/engineering, energy or environmental studies, economics, development studies, public policy, law, or management from a reputed institution/university in India or abroad to work on the broad spectrum of energy and environment policy. Candidates with consistent academic record and relevant field experience related to power sector, energy/climate modeling, socio-economic/development studies will be given preference. Interested applicants should submit their curriculum vitae, including names and addresses of three referees, two samples of published work and a brief statement (not exceeding 1000 words) of interest explaining why they are interested in joining the EERP program at NIAS—all in PDF documents contained in a single electronic folder.

### **Junior/Senior Research Fellows (FOUR open positions)**

For Junior/Senior Research Fellow positions, we are looking for candidates with a first-class master's degree in technology/engineering, energy or environmental studies, economics, development studies, public policy, law, or management from a reputed institution/university in India or abroad with a minimum of 60% marks or CGPA of 7.0 (10-point scale) or CGPA of 3.5 (5-point scale) at the bachelor's & master's level. Candidates will be encouraged to subsequently join the NIAS PhD program after going through the necessary qualification process at NIAS. Interested applicants should submit their curriculum vitae including names and address of two referees, one published writing sample (in case you have), and a brief statement (not exceeding 750 words) of interest explaining why they are interested in joining the EERP program at NIAS—all in PDF documents contained in a single electronic folder.

### **Research Assistants (SIX open positions)**

For Research Assistant positions, we are looking for candidates with strong analytical and writing skills with a master's or bachelor's degree in technology/engineering, energy or environmental studies, economics, development studies, public policy, law, or management from a reputed institution/university in India or abroad with keen interest to work on a broad spectrum of energy and environment policy. Interested applicants should submit their curriculum vitae electronically, and a brief statement of interest (not exceeding 500 words) explaining why they are interested in joining the EERP program at NIAS—all in PDF documents contained in a single electronic folder.

The application must be sent to [eerpvacancies@gmail.com](mailto:eerpvacancies@gmail.com). NIAS will accept only applications submitted by email. This is a rolling application till we fill the positions. The first evaluation will be carried out of the applications received on or before **30 September 2017**.