



**An Excellent Opportunity to
PURSUE EXCELLENCE WITH RELEVANCE
Energy and Environment Research Program
Post-Doctoral Associates & Research Associates/Research Assistants
National Institute of Advanced Studies, Bengaluru**

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. NIAS provides a congenial atmosphere and institutional support for faculty and scholars to pursue their research and career goals, and expects them to produce significant outcomes in line with the institution's mandate. Please visit our website (www.nias.res.in) for a comprehensive perspective.

The Energy and Environment Research Program (EERP) at NIAS is to bring in the much-needed integration to Energy, Environment, Ecology, and Climate Change studies. Under this program, NIAS strives to link different stages of power generation and utilization, from mining to power distribution with associated environmental, community, and climate change issues.

The overall scope of the Program is to assess the local and regional impacts of climate change caused by different aspects of energy projects from coal mining through, power generation, transmission and distribution, and extending up to various end use devices. The key objectives of the Program are as follows:

- To study the local and global environmental impact (including CO₂, SO₂, NO_x and particulate emissions) of select energy projects and to explore means to mitigate the same;
- To study and recommend the optimal electricity mix for planning agencies at the national and State levels given the practical constraints in technology, financing, supply and demand, security of supplies, and the need to balance the impact of any policy with the goal to enhance the standard of living and quality of life of all Indians;
- To understand the energy-water-land nexus and recommend measures for energy projects (specifically, mining and power) to become more water-efficient while transitioning to a regime more supportive of ecology and local communities in the long run;
- To formulate policies designed to make energy services accessible, affordable, and sustainable to the households who are unserved and/or under-served today;
- To study the relationship between energy accessibility and indicators of human development and other sustainable development goals;
- To study the ecological and socio-economic impact of select energy projects in order develop a quantitative analytical framework for undertaking cost-benefit analysis of energy policy options in support of decision-making at the national and State levels.

NIAS is looking for suitable **Post-Doctoral Associates** and **Research Associates/Research Assistants** to strengthen these initiatives.

For Post-Doctoral Associate positions, we are looking for bright and highly motivated individuals with a recent doctorate in any of the relevant disciplines in engineering, social sciences, public policy and business management to work on the broad spectrum of energy and environment policy. Candidates with relevant field experience related to thermal power generation, climate modeling, socio-economic/development studies will be given preference. Interested applicants should submit their curriculum vitae electronically, 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.

For Research Associate/Research Assistant positions, we are looking for candidates with strong analytical and writing skills with a master's or bachelor's degree in engineering, economics, and law (with specialization in environmental law and regulation) with relevant work experience or keen interest to work on a broad spectrum of energy and environment policy. Interested applicants should submit their curriculum vitae electronically, including names and addresses of two referees, a writing sample (published or unpublished), 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.

These positions are contractual appointments for a period of two years. Salary will be commensurate with qualifications and experience and comparable to other premier research and educational institutions in the country.

The deadline for submitting the applications for these research positions is **31 January 2017**. Short-listed candidates for Post-Doctoral Associate positions will be invited to NIAS for a presentation followed by an interview. Short-listed candidates for Research Associate/Research Assistant positions will be invited to NIAS for an interview.

The applications should be addressed to:

Head, Administration
National Institute of Advanced Studies
Indian Institute of Science Campus
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E-mail: admin@nias.iisc.ernet.in