इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली
हौज खास, नई दिल्ली -110016
(औद्योगिक अनुसंधान एवं विकास इकाई)
INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016
(Industrial Research & Development Unit)

No. IITD/IRD/RP04810F/ 370807 **Dated: 18/02/2025**

Advertisement No.: IITD/IRD/050/2025

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा.

Title of the Project	An exploration of scenarios for Indias energy transition (RP04810F)	
Funding Agency	Princeton University, USA	
Name of the Project Investigator	Prof. Kaveri K Iychettira [email ID:kaveri@iitd.ac.in]	
Deptt/.Centre	School of Public Policy	
Duration of the Project	Upto:30/06/2025	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Principal Project Scientist (01)	Rs.75,600-77,870-80,210-82,620-85,100-87,650-90,280-92,990-95,780-98,650-1,01,610/-p.m. plus HRA @ 27%	**Eligibility criteria:** Ph.D. (or equivalent) in engineering, interdisciplinary energy studies, or a related field at the time of application. The successful candidate will work on economy-wide energy system modelling using an in-house opensource model developed as part of the NZI project. This work aims to comprehensively assess India's energy and industrial systems and develop robust strategies for achieving net-zero emissions targets. The candidate will help with the ongoing data acquisition and processing as required by the model, and running the model to reflect different scenarios. Knowledge of clean energy and industrial decarbonization technologies, and experience with macro-scale energy system optimization models, is essential. **Duties and Responsibilities**: Applications are invited for the position of postdoctoral research fellow as part of the Net-Zero India (NZI) project. The Net-Zero India (NZI) project is being led by School of Public Policy, IIT Delhi (IITD) in collaboration with Prayas Energy Group, Pune, and Princeton University's Andlinger Center for Energy & the Environment. The NZI project seeks to develop potential transition pathways for the Indian economy to reach net-zero greenhouse gas emissions by 2070. It will adapt the approach and methods used by Princeton for its influential Net-Zero America study, and Net Zero Australia study. The successful candidate will work on economy-wide energy system modelling using an in-house open-source model developed as part of the NZI project. This work aims to comprehensively assess India's energy and industrial systems and develop robust strategies for achieving net-zero emissions targets. The candidate will help with the ongoing data acquisition and processing as required by the model and running the model to reflect different scenarios. Knowledge of clean energy and industrial decarbonization technologies, and experience with macro-scale energy system optimization models, is essential. The appointment is for 12 months and may be extended pending performance and funding. The successful candidate is expected to spend 6-9 months in IIT Delhi and/or Prayas Energy Group Pune working with the collaborators and researchers after initial onboarding of 3 months to gaining experience with key modelling frameworks at Princeton University. The center is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and

		service as appropriate to the position. Preference will be given to candidates with demonstrated expertise in energy systems analysis, and the integration of national data (collection, cleaning, reformatting) for economy-wide energy system decarbonization models, and in the production of spatially granular and engineering driven representations of model results. Experience working across disciplines in multi-institution and multi-stakeholder project teams is beneficial, and professional or research experience in the energy sector is desirable. • Domain knowledge in energy studies, power systems, renewable energy grid integration, and optimization models. • Extensive experience with managing, processing, and analyzing large datasets and strong programming skills especially in Python or Julia-Jump. • Strong scientific writing, presentation skills, and interest in and track record of publishing in top academic journals is preferred. • Strong interpersonal skills to build and maintain relationships with academic, NGO and government partners, and to work effectively as part of a highly collaborative research team. Contact Information: kaveri@iitd.ac.in The candidates who are interested to apply for the above post should submit the following with advertisement No. on email to Prof. Kaveri Iychettira, School of Public Policy at email id: kaveri@iitd.ac.in with cc: ashwinim.cstaff@iitd.ac.in 1. download Form No' IRD/REC-4 from the IRD Website (http://iro.iitd.ac.in/rec) and submit the duly filled form-with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc by email IIT Delhi reserves the right to fix higher criteria for short listing of eligible candidates from those satisfying advertised qualification and requirement. 2. CV 3. Cover letter detailing their relevant experience and explaining why they are a suitable candidate 4. One writing sample 5. Contact information for two referees. The online interview details: Only short-listed candidates will be informed for online interview

The candidates who are interested to apply for the above post should download Form No. IRD/REC-4 from the IRD Website (http://ird.iitd.ac.in/rec) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line to Prof. Kaveri K Iychettira at email ID:kaveri@iitd.ac.in and cc to ashwinim.cstaff@iitd.ac.in

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (http://ird.iitd.ac.in/shortlisted) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof Kaveri K Iychettira at email ID:kaveri@iitd.ac.in 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. एक सेवानिवृत सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। The last date for submitting the completed applications by e-mail is 05/03/2025 by 5.00 p.m

18/02/2025

उप कुलसचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. Kaveri K Iychettira, PI, School of Public Policy
- Copy to Chairperson, DRC/CRC