

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/ 31090

Dated:18/02/2025

Advertisement No.: IITD/IRD/045/2025

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
Sr. Project Scientist (01)	Rs.60,750-62,570-64,450-66,380-68,370-70,420-72,530-74,710-76,950-79,260/-p.m. Plus HRA @ 27%	<p>Eligibility criteria: Masters with 1st class in Public Policy from a reputed university. Preference will be given to candidates with demonstrated expertise in energy systems and related data analytics, 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 and have proficiency in scientific writing in english. Experience working across disciplines in multi-institution and multistakeholder project teams is beneficial, and profession or research experience in the energy sector is desirable. Candidate should have 1 - 3 years of relevant professional experience.</p> <p>Duties and Responsibilities: This position will be work on data collection, energy systems analysis, downscaling activities for Net-Zero India (NZI), which 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.</p> <p>Net-Zero energy system models require a wide range of data, much of which must be collected and pre-processed before it can be used. Phase 1 responsibilities will include some or all of the following: • Reviewing literature around national-scale and especially Indian energy transition studies • Source publicly available data sources and reports, and as necessary, liaise with government and non-government agencies and companies to collect and prepare data for input into macroscale energy systems modelling tools and downscaling analysis - data needs include, among others: - Population & GDP projections - End-use service demand projections - Macro-economic trends including for agriculture & industrial production - Policies/projections around Indigenous & imported energy/technology independence •</p> <p>Spatially resolved data sets related to energy and industrial decarbonization including: - Existing energy</p>

		<p>and industrial infrastructure (electricity generation & transmission & transmission, refineries, and industrial production facilities, etc. - Transport, utilities and water supply infrastructure - Resource potential of various energy technologies (Onshore and offshore wind, Solar, bioenergy, geothermal, hydro, fossil fuel reserves, etc.) - CO2 storage basins; and - Site exclusion factors and buffer zones •</p> <p>Analysis and Modelling Support - Technology availability and selections for end-use electrification - Trends and projections for land-based CO2 sinks (LULUCF) - Evaluating costs and performance characteristics of energy production, conversion, and decarbonisation technologies - Working with vector and raster geospatial data (using ArcGIS or open-source software) - Translating model results to outputs that move beyond national and regional representations to consider spatially granular and engineering driven considerations of on the ground infrastructure projects.</p>
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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 lychettira at email ID:kaveri@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 lychettira 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 सेवानिवृत्त 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

Handwritten signature and date: 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 lychettira, PI, School of Public Policy
- Copy to Chairperson, DRC/CRC