

**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/RP05082F/501810

Dated: 14/03/2026

**Advertisement No.: IITD/IRD/066/2026**

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।

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| Title of the Project                   | Academic Exchange for examining development compatible pathways to achieve Net-Zero in India. (RP05082F)                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Funding Agency                         | Schmidt Sciences, Climate Institute, USA                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Name of the Project Investigator       | Prof. Kaveri K Iychettira<br>[email ID: Kaveri@iitd.ac.in]                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Deptt./Centre                          | School of Public Policy                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Duration of the Project                | Upto: 31/05/2028                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Post (s)                               | Consolidated fellowship / Pay-slab                                                                                         | Qualifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Principal Project Scientist (a)-(01)   | Rs.75,600 - 77,870 - 80,210 - 82,620 - 85,100 - 87,650 - 90,280 - 92,900 - 95,780 - 98,650 - 1,01,610/- p.m. plus HRA @27% | <p><b>Eligibility criteria:</b> M.Tech with 1st Class in Energy Science and engineering with at least 6 years experience. The candidate should have:</p> <ul style="list-style-type: none"> <li>A strong understanding of clean energy technologies and industrial decarbonisation pathways.</li> <li>worked on economy-wide energy system modelling, particularly Macro energy system model or PIER energy system model.</li> <li>A minimum of six months of experience in modelling demand-side energy systems.</li> <li>Experience working with macro-scale energy system optimization models is required.</li> <li>Demonstrated experience in leading and coordinating a team of researchers.</li> <li>Strong programming and quantitative modelling skills, particularly in Python, Julia/JuMP, or other open-source optimization and simulation platforms.</li> <li>Demonstrated research excellence with 10-12 peer-reviewed publications in reputed journals and/or presentations at national or international conferences, along with strong scientific writing and communication skills.</li> </ul> <p>This project 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.</p> |
| Principal Project Scientist (b) - (01) | Rs.75,600 - 77,870 - 80,210 - 82,620 - 85,100 - 87,650 - 90,280 - 92,900 - 95,780 - 98,650 - 1,01,610/- p.m. plus HRA @27% | <p>Ph.D. with 1st class in Energy engineering</p> <p>The candidate should have:</p> <ul style="list-style-type: none"> <li>Knowledge of clean energy and industrial decarbonization technologies, and experience with macro-scale energy system optimization models, is essential.</li> <li>worked on economy-wide energy system modelling, particularly MACRO energy system model developed by Princeton University or PIER energy system model.</li> <li>Minimum 6 months of experience in modelling supply side energy systems.</li> <li>strong programming and quantitative modelling skills, particularly in Python, Julia/JuMP, or other open-source optimization and simulation platforms, and have good data analytics skills.</li> <li>demonstrated research excellence with atleast 4 peer-reviewed publications in reputed journals and/or presentations at national or international conferences, along with strong scientific writing and communication skills.</li> </ul> <p>The project 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.</p>                                                                                                                       |

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| Sr. Project Scientist (a) – 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>Master's degree with first class in Public Policy with specialisation in Energy domain from a reputed university. Candidates must demonstrate rigorous quantitative and analytical training and a consistently strong academic record.</p> <p>The candidate should possess strong programming and quantitative modelling skills, particularly in Python, Julia/JuMP, or other open-source optimization and simulation platforms.</p> <p><b>Preference will be given to candidates with:-</b></p> <ul style="list-style-type: none"> <li>• Demonstrated experience (minimum 6 months) in energy systems modelling, particularly transport sector modelling, green hydrogen decarbonisation pathways, scenario development and economy-wide decarbonization analysis.</li> <li>• Prior experience working with established modelling frameworks such as PIER, MACRO, OSeMOSYS, or comparable bottom-up or hybrid energy system models.</li> <li>• Experience in sourcing, cleaning, reformatting and integrating national-level datasets for large-scale energy system modelling</li> <li>• Experience in generating spatially granular and engineering-driven representations of model outputs.</li> <li>• Demonstrated research excellence, including peerreviewed publications in reputed journals and/or presentations at national or international conferences, along with strong scientific writing and communication skills.</li> <li>• Experience working in interdisciplinary, multiinstitutional, and multi-stakeholder research teams.</li> </ul> |
| Sr. Project Scientist (b) – 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>1<sup>st</sup> class M.Tech OR MS with 1st class in Energy Economics from a reputed university.</p> <p>The candidate should have a good understanding of the Agricultural sector of India, along with at least 6 months of experience in energy modelling specific for the agricultural sector.</p> <p><b>Preference will be given to candidates with:-</b></p> <ul style="list-style-type: none"> <li>• at least 1.5 years of demonstrated experience in energy systems modelling and experience in sourcing, cleaning, reformatting and integrating national-level datasets for large-scale energy system modelling.</li> <li>• demonstrated experience in data analysis, especially using R, or Julia-Jump for analysing nationwide data (collection, cleaning, and projections) and in the production of spatially granular and engineering-driven representations of model results for economy-wide energy system decarbonisation models.</li> <li>• Prior experience working with established modelling frameworks such as PIER, MACRO, OSeMOSYS, or comparable bottom-up or hybrid energy system models is required.</li> <li>• strong scientific writing skills particularly policy report.</li> <li>• experience working across disciplines in multiinstitution and multi-stakeholder project teams and is expected to lead one to two subordinates.</li> </ul>                                                                                                                                                                                   |
| Sr. Project Scientist (c) -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>Master's degree with First Class distinction in Public Policy from a reputed university.</p> <p><b>Candidates should have:-</b></p> <ul style="list-style-type: none"> <li>• at least two years of demonstrated experience in energy systems analysis and related data analytics, including the integration and management of large-scale national socioeconomic datasets (e.g., NSSO surveys, CMIE, or comparable sources). This includes experience in data collection, cleaning, harmonisation, and transformation to support economy-wide energy system decarbonisation modelling.</li> <li>• prior engagement in modelling pipelines supporting national net-zero pathways or longterm energy transition scenarios, particularly in the residential and agriculture demand sectors using bottom-up modelling approaches.</li> <li>• Experience in developing spatially granular, engineering-informed representations of model outputs is essential, along with strong scientific writing skills in English.</li> <li>• strong programming proficiency in R and Python, familiarity with Julia-based modelling environments.</li> <li>• prior experience working with established modelling frameworks such as PIER, MACRO, OSeMOSYS, or comparable bottom-up or hybrid energy system models.</li> </ul>                                                                                                                                                                                                                                              |

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| Sr. Project Scientist (d) - 01 | Rs. 60,750 - 62,570 - 64,450<br>- 66,380 - 68,370 - 70,420 -<br>72,530 - 74,710 - 76,950 -<br>79,260/-p.m. plus HRA<br>@27%                | <p>A Master's degree in Public Policy with First Class from a reputed university is required.</p> <p>Candidates must have a minimum of one year of experience in scenario development and quantification and 2-3 years of overall professional experience.</p> <p><b>Preference will be given to candidates with:-</b></p> <ul style="list-style-type: none"> <li>• demonstrated expertise in policy analysis, particularly in sustainability, energy, environmental domains and with experience conducting research on energy transition pathways in India. Familiarity with energy systems analysis is desirable.</li> <li>• The candidate should be well-versed in qualitative research methods and possess strong quantitative analytical skills.</li> <li>• Proficiency in scientific writing in English is essential.</li> <li>• Demonstrated experience in designing and facilitating multi-stakeholder workshops for scenario development, conducting structured stakeholder analysis and systematically incorporating stakeholder inputs into scenario assumptions</li> <li>• Experience performing uncertainty analysis, impact assessment and sensitivity testing across alternative scenario inputs.</li> <li>• Working knowledge of energy systems models such as PIER, MACRO, other hybrid economywide models along with global scenario frameworks such as Shared Socioeconomic Pathways (SSPs) and other IAM-linked architectures.</li> <li>• Proficiency in qualitative research methods and quantitative tools such as R, Python, and excelbased modelling environments.</li> <li>• Demonstrated knowledge of sectoral decarbonization pathways across power, transport, industry, buildings, and residential sector with the ability to integrate sectorspecific assumptions into coherent and internally consistent narratives.</li> <li>• Experience in operationalizing qualitative scenario storylines into structured, model-ready quantitative assumptions through parameterization of drivers and policy variables with the ability to coordinate with sectoral modelling teams to ensure consistency in assumptions, parameterization and output</li> <li>• Strong grounding in systems thinking, including identification of feedback loops, trade-offs, and cross-sectoral interlinkages.</li> </ul> |
| Project Coordinator- (01)      | Rs. 1,66,050 - 1,71,030<br>1,76,160 - 1,81,450<br>1,86,890 - 1,92,500<br>1,98,270 - 2,04,220<br>2,10,350 - 2,16,660/-p.m.<br>plus HRA @27% | <p>M.Tech/MS degree with First Class distinction in Electrical and Computer Engineering, Renewable Energy Engineering, or a closely related field from a reputed university, and possess at least 13 years of relevant professional experience.</p> <p>The candidate should demonstrate substantial experience in project coordination and management, working across disciplines within multi-institutional and multi-stakeholder teams. The candidate should show demonstrated experience working with international collaborators and liaising with government agencies. Professional and/or research experience in the energy sector is essential. Prior experience within the IIT Delhi ecosystem, including organizing conferences, workshops, and stakeholder consultations, is highly desirable.</p> <p>The candidate should have experience/familiarity with procurement processes related to equipment and services, and hiring processes, within a central government institution.</p> <p>Excellent written and spoken communication skills in English are required.</p> <p>The selected candidate will work closely with the Principal Investigators and will be primarily responsible for coordinating a multidisciplinary team of approximately 20 professionals. Apart from this the candidate is expected to coordinate with international collaborators and other stakeholders for the Net Zero India project.</p> <p>Key responsibilities will include planning and tracking project timelines and deliverables; scheduling and convening meetings; managing budgets, resources, and reporting requirements; preparing technical and progress reports; organizing outreach and dissemination activities; liaising with funding agencies and partner institutions; and contributing to research and analytical tasks as required.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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 'IRD/REC-4' from the IRD Website (<http://ird.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 and any other relevant

details by email. IIT Delhi reserves the right to fix higher criteria for shortlisting 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 interview will be conducted online. Only shortlisted candidates will be informed for online interview.

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 on email at [kaveri@iitd.ac.in](mailto:kaveri@iitd.ac.in) with cc: [ashwinim.cstaff@iitd.ac.in](mailto:ashwinim.cstaff@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 20/03/2026 by 5.00 p.m

AP  
16/03/2026

कार्यवाहक प्रमुख (आईआरडी स्थापना)

वितरण

- Head of the Deptt./Centres/Units :
- Webmaster, IRD :
- Notice Boards
- Advertisement file
- Prof. Kaveri K Iychettira, PI, School of Public Policy
- Copy to Chairperson, DRC/CRC

It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit To put advertisement at IITD website.