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/ 46665 Dated:19/11/2025

Advertisement No.: IITD/IRD/290/2025

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	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 [email ID: rajarshidg1@iitd.ac.in]	
Deptt/.Centre	School of Public Policy	
Duration of the Project	Upto:31/05/2028	
Post (s)	Consolidated fellowship / Pay-slab	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%	**Eligibility criteria**: MTech / MS(R)/ MCA 1st Class or equivalent in the appropriate discipline or BTech/MSc/Postgraduate in Science or Engineering with a 1st Class, with min. 3 years' experience preferably in academic, research, sustainability, or development sectors. The candidate should have strong programming skills, including WebGIS. **Desirable:** candidate would have the following responsibilities: • Develop and optimize algorithms for forest study and mapping using remote sensing and GIS datasets. • Integrate geospatial, environmental, and socio-economic datasets into analytical frameworks for forest resource management and planning. • Develop data processing pipelines, dashboards, and visualization tools. • Apply AI/ML techniques (e.g., Random Forest, CNN, or deep learning models) for vegetation type classification, biomass estimation, and land degradation mapping. • Assist in designing database structures, APIs, and web-based geospatial platforms for data dissemination. • Support field validation and accuracy assessment of remote sensing products. • Contribute to technical reports, publications, and presentations. • Collaborate with interdisciplinary teams including ecologists, foresters, GIS analysts, and computer scientists. **Desired Skills, Experience and attributes:** • Strong programming skills in Python, R, JavaScript, or C++ with experience in geospatial libraries (e.g., GDAL, Rasterio, Geopandas, Earth Engine API). • Knowledge of Remote Sensing & GIS software (e.g., QGIS, ArcGIS, ENVI, SNAP, ERDAS Imagine). • Familiarity with forest resource assessment, land use modelling, and ecosystem monitoring. • Experience in satellite data processing (Landsat, Sentinel, MODIS, etc.) and timeseries analysis. • Working knowledge of machine learning and deep learning frameworks (TensorFlow, PyTorch, Scikit-learn). • Understanding of spatial databases (PostGIS, SQLite) and cloud computing platforms (Google Earth Engine, AWS, GEE API). • Strong analytical, writing, and documentation skills. • Interest in applying computational methods for sustainable forestry, biodiversity conservation, and land restoration. • Ability to work independently as well as collaboratively in interdisciplinary teams. • Experience in preparing research manuscripts, project deliverables, and grant proposals.
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%	PhD in Forest ecology, with specialization in Forest Geoinformatics, Forest Ecosystem Analysis, Ecosystem Services Modelling, Vegetation Productivity Modelling, Climate Modelling, Land Use Modelling, along with good understanding

		emissions/removal from AFOLU sectors with a minimum of 3 years of experience in a reputed research laboratory. The candidate, preferably below 36 years, must have a proven track record of scientific publications with at least five papers in reputed international journals including publications from land emissions. The candidate should be fluent in English and should be able to engage with an international, multidisciplinary team.
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%	Ph.D. in Atmospheric Sciences with specialization in hydrometeorological modelling, downscaling, integrated land-use modelling, agriculture, and nonCO_2 GHG emissions. Previous research experience in agrivoltaics will be considered an asset. The candidate, preferably below 36 years, must have a proven track record of scientific publications with at least ten papers in reputed international journals including at least one publication focused on land emissions.The candidate should be fluent in English and should be able to engage with an international, multidisciplinary team.
Principal Project Scientist (c) – (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%	1st class M.E. / M. Tech in Remote Sensing & GIS/ Computer Applications/ Geoinformatics/ Environmental Science/ Forestry/ or related disciplines (Candidates with a Ph.D. in geospatial research would be at an advantage), with experience in managing large projects. The role requires 8-10 years of experience in geospatial research, data analysis, and project management, along with proficiency in geospatial data processing. Candidates should have demonstrated experience in forest monitoring, LULC modelling, and biodiversity conservation, with familiarity in spatial databases, cloud platforms, and data visualization tools. Strong academic writing, leadership, stakeholder management, and crossfunctional coordination skills are essential. Desirable attributes include experience international collaborations or industry-academia partnerships; and enthusiasm for mentoring young researchers while fostering interdisciplinary innovation.

The candidates who are interested to apply for the above post should submit the following with advertisement No. on email at : rajarshidg1@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. Te 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 rajarshidg1@iitd.ac.in with cc: 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 03/12/2025 by 5.00 p.m

19/11/2025

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