

The logo for the Indian Institute for Human Settlements (iihs) is located in the top left corner. It consists of the lowercase letters 'iihs' in a white, sans-serif font, with a registered trademark symbol (®) to the upper right. The text is set against a dark red rectangular background.

INDIAN INSTITUTE FOR  
HUMAN SETTLEMENTS

**JOB DESCRIPTION**

Assistant / Associate –  
Geospatial Lab (GSL)

## About Us

The Indian Institute for Human Settlements (IIHS) is a national education institution committed to the equitable, sustainable and efficient transformation of Indian settlements.

IIHS aims to establish an independently funded and managed distinct national university of eminence focused on the challenges and opportunities of India's urban transition. The proposed IIHS University will be a unique and distinct institution that will host quality campus-based education and cutting-edge research and innovation. The university will have a strong interdisciplinary orientation bringing together India-centric knowledge and applied research that also engages with, and draws from, knowledge across the globe.

For more information, please see <http://www.iihs.co.in>

## About the IIHS Geospatial Lab (GSL)

The Geospatial Lab is a hub for spatial analysis, research and capacity building activities at IIHS. The Lab seamlessly integrates spatial technology and methods such as GIS, remote sensing, spatial modelling and web services across practice and consulting services as well as inter-disciplinary research at IIHS. Its position within the IIHS ecosystem uniquely enables the Lab to engage in diverse thematic areas to deeply analyse the different aspects of urban transformation.

## Job Description

IIHS is seeking a skilled early-career professional to support inter-disciplinary research, practice and teaching at the GSL. The selected candidate will be part of a team of GIS/Remote Sensing professionals and will closely interact with urban practitioners, researchers and educationists to support a variety of projects and activities. Responsibilities will include spatial data development, visualization and analysis using open- source GIS tools.

This is a contractual position for an initial term of 11 months, renewable on mutual consent, with the potential to turn into a regular position over time.

## Activities and Tasks

Responsibilities would include, but not be limited to, the following:

- Assisting the GSL team in performing spatial analysis for various research and practice projects;
- Developing methods and automated workflows for spatial analysis and remote sensing data processing;
- Supporting cartographic map production (both static and dynamic); automating data visualization and map production;
- Identifying sources, collecting and procuring both spatial and non-spatial data sets from various agencies and online platforms;
- Participating in field data collection as needed;
- Supporting teaching and training activities of the Lab, including assisting with the development of course modules, creating data sets for practical sessions and assisting in hands-on training sessions;
- Supporting activities related to the development of spatial data infrastructure, including data organization, documentation and archival;

- Providing support to other IIHS activities including academics, research, training, practice, operations and others;
- Participating in all activities of Institution-Building at IIHS; carrying out tasks as assigned by IIHS; and travelling on IIHS work within or outside the country as and when needed.

### **Structure and Reporting**

The assistant/ associate will be an External Consultant coordinating with the Senior Consultant – Geospatial Lab at IIHS and will be required to collaborate effectively with a diverse group of internal teams and external individuals/organizations, and students.

### **Person Specification**

The ideal candidate should have the following:

Education and Experience:

- A Bachelor's or Master's degree in Geoinformatics/ Remote Sensing or related discipline with one year of relevant experience;  
(OR)
- A degree in urban planning/ natural sciences or a related discipline, with a minimum of 2 years of relevant work experience;

Technical skills:

- Proficiency in spatial analysis using QGIS, Google Earth Engine and Python is essential;
- Experience in Spatial analysis using R, or Spatial database development using PostgreSQL or MySQL, will be added advantages;

Functional skills:

- Ability to involve in multiple projects simultaneously;
- Strong analytical, problem-solving, organizational, written and oral communication skills;
- Willingness to support project management and the day-to-day operations of the lab.

This is a contractual position for an initial term of 11 months, renewable on mutual consent, with the potential to turn into a regular position over time. This offer is on an exclusive basis, which implies that other professional assignments (whether compensated or not) that bear a potential conflict of interest with IIHS cannot be undertaken.

The search will remain open until the position is filled.

### **Location**

This position is based in Bengaluru and may entail travel to other locations in India.

### **Review and Assessment**

The role and performance of the incumbent shall be subject to normal review and assessment systems at IIHS.

**Diversity Policy**

IIHS is an equal opportunity employer that encourages women, people with disabilities and those from economically and socially excluded communities with the requisite skills and qualifications to apply for positions.

**To apply**

If you are interested to explore this opportunity with us, please fill the online application form by clicking [here](#). (You can also click on the “Apply Now” button at the end of the Job Description displayed on the website).

**Contact**

Please write to us at [hr@iihs.co.in](mailto:hr@iihs.co.in) if you need any clarifications while filling the online application form.



**iihs**®

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