



Dated: 29-04-2025

## **Advertisement for Recruitment of a Junior Research Fellow**

Applications are invited from highly motivated candidates for a **Junior Research Fellow (JRF)** position in the research project titled **“The Role of Geosynthetics in Enhancing the Performance of Permeable Pavements: New Approach Towards Strengthening of Structural Stability Control for Indian Urban Floods and Recharge of Ground Water”** (funded by *Anusandhan National Research Foundation (ANRF)*). This project aims to evaluate the performance, durability, and sustainability of geosynthetic-enhanced permeable pavements in urban flood management and groundwater recharge. The selected candidate will be involved in laboratory experiments, field investigations, and numerical modeling to assess the structural behavior and long-term efficiency of these pavement systems. Fieldwork for data collection, testing, and validation will be an integral part of the research.

### **Eligibility**

#### **Essential qualifications:**

- B.E./B.Tech from Centrally Funded Technical Institutes with CGPA more than 8.0. Final year students are eligible to apply. However, they must maintain CGPA after 8th semester.

(or)

- M. E./M. Tech. in Civil Engineering/Geotechnical Engineering and Pavement Geotechnics or allied fields with valid GATE qualification

#### **Desirable qualifications:**

- Candidates with working experience in Pavement Geotechnics/Geosynthetics and Geotechnical Engineering, along with expertise in numerical modeling software like PLAXIS, ABAQUS, or any FEM tools capable of modeling flexible pavement layers, will be preferred.
- Candidates should have a strong foundation in geotechnical engineering and the ability to efficiently manage multiple tasks.

**Fellowship:** ₹ 37,000/- per month + HRA (as per norms)

**Selection process:** Shortlisted candidates will have a written exam followed by an interview.

**Duration:** The initial appointment will be for 12 months, which is extendable further based on the candidate's performance.

### **Job Description:**

- Preparation of flexible pavement layers in the laboratory.
- Field implementation of geogrid-reinforced permeable flexible pavement systems.

- Project involvement in laboratory testing and fieldwork related to geosynthetics and flexible pavement layers.
- Data collection, analysis, and validation for geosynthetic reinforced permeable flexible pavements

**How to Apply:**

Interested candidates shall submit their application through the link **Google form link:** <https://forms.gle/j49ddchwHoSx4gv4A> by 11:59 PM May 10<sup>th</sup>, 2025.

**Address for Correspondence:**

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**Terms and Conditions:**

- *Only shortlisted candidates will be called for an interview as per IITI norms.*
- *Selected candidates will be intimated by e-mail for an offline interview at IIT Indore. The PI shall not be responsible for email delay, if any, which will result in disqualification/rejection of the application.*
- *No travel allowance (TA) or dearness allowance (DA) will be provided to candidates for attending the written test and interview.*
- *The decision of the selection committee will be final.*
- *The selected candidate must join duty immediately upon receipt of the offer.*
- *The fellowship may be terminated with a 30-day notice before completion of the tenure if performance to date is not deemed satisfactory. The Institute reserves the right to fill out or not fill out the post advertised.*