

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Civil Engineering Department)

Dated: 12<sup>th</sup> December 2025

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Prof. Anupam Chakrabarti**), Dept./Centre **Civil Engineering Department, Indian Institute of Technology, Roorkee**.

1. **Title of project:** Recommendations for Design Parameters of Ultra High Performance Concrete for use in Railway Structures
2. **Sponsor of the project:** Research Designs and Standards Organisation (RDSO)
3. **Project position(s) and number:** Junior Research Fellow (JRF)-02 (Two)
4. **Qualifications:** B.Tech./B.E. in Civil Engineering/allied fields. M.Tech./M.E. in Structural engineering or allied fields with at least 70% marks. The candidate should have qualified GATE (Candidates with B.Tech from CFTI and CGPA > 8 are exempted from GATE)
5. **Emoluments:** Rs. 37,000 + HRA per month
6. **Duration:** One year, extendable further till the project completion date based on performance
7. **Job description:** The position involves research on developing recommendations for design parameters of Ultra-High-Performance Concrete (UHPC) for use in railway structures. The responsibilities include the development and refinement of UHPC mix designs suitable for railway applications, as well as experimental investigations on fresh, mechanical, and structural testing of UHPC elements relevant to railway components. The role also includes support in analytical and numerical modelling of UHPC for bridge applications. The selected candidate will contribute to project documentation, prepare technical reports, and author research publications.
8. Candidates desiring to appear for the interview should submit their applications with the following documents to the office of the Principal Investigator **through email only** as a **single PDF file in the following order (failing to do so, their applications will not be considered for the shortlisting procedure)**.
  - Application with a detailed CV including a chronological discipline of the degree/certificates obtained.
  - Copy of Gate Score Card and Attested copies of degree/certificate, mark sheets and relevant experience certificate (research and industrial field).
9. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
10. Preference will be given to SC/ST candidates on equal qualifications and experience.
11. Please note that no TA/DA is admissible for attending the interview.
12. The last date for the application to be submitted to the Principal Investigator is **30th December 2025** by 5 PM by following the Google

**Link for submission form: <https://forms.gle/DoaoRJfP22FEiWV8>**

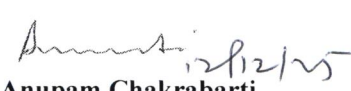
Shortlisted candidates will be invited for the interview through email.

**Note: The selected candidate may get an opportunity for PhD admission (Once the project is over, the candidate may be considered for institute assistantship as per the Institute policy).**

**Candidates without a GATE score cannot be enrolled on the PhD programme.**

**Tel:** 91-1332-285673

**Email:** sonalisa.ray@ce.iitr.ac.in

  
**Prof. Anupam Chakrabarti**  
Name and signature of PI

**APPROVED**

\*To be uploaded on the IIT Roorkee website, and a copy may be sent to the appropriate addresses by the PI for wider circulation.

  
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