

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

Dated: 7<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. Sonalisa Ray**), Dept./Centre **Civil Engineering Department, Indian Institute of Technology, Roorkee.**

1. **Title of project:** Derivation of Design Parameters for Ultra-High-Performance Fibre Reinforced Concrete (UHPFRC) in Bridge Infrastructure Applications
2. **Sponsor of the project:** Ministry of Road Transport and Highways (MoRTH)
3. **Project position(s) and number:** Junior Research Fellow (JRF)-01 (One)
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 entails research on the derivation of design parameters for UHPFRC in bridge infrastructure applications. The responsibilities include the development and optimization of UHPFRC mix designs, experimental investigations on fresh, mechanical, and long-term properties, structural testing of UHPFRC elements relevant to bridge components, and support in analytical as well as numerical modeling. The selected candidate will also contribute to project documentation, technical reporting, and preparation of 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 **28th December 2025** by 5 PM by following the Google

**Link for submission form: <https://forms.gle/XToUVfr6aHEweniH7>**

Shortlisted candidates will be invited for the interview via email.

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

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Digitally signed  
by Sonalisa Ray  
Date: 2025.12.07  
08:11:00 +05'30'

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

APPROVED

Sponsored Research & Industrial Consultancy  
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Roorkee-247 667 (INDIA)

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