

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

Dated: 6<sup>th</sup> October 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:** Post-Doctoral Fellow (01)
4. **Qualifications:** PhD in Civil Engineering from IIT/IISc with extensive experimental work experience in the field of UHPFRC. Candidates with good-quality journal publications in the field of UHPFRC would be given preference.
5. **Emoluments:** Rs. 67,000 + HRA per month
6. **Duration:** One year, extendable further till the project completion date based on performance.
7. **Job description:** Optimization of UHPFRC mix designs, analysis of mechanical properties, and evaluation of performance parameters for bridge applications. Responsibilities include experimental testing, data analysis, report preparation, overall coordination of the project and other work as assigned by the principal investigators.
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. Candidates desiring to appear for the interview should submit their applications with the following documents to the office of 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 detailed CV including chronological discipline of degree/certificates obtained.
  - Copy of certificates, mark sheets and relevant experience certificate (research and industrial field).
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 through email is **15th October 2025**

**Shortlisted candidates will be invited for the interview via email.**

**Tel:** 91-1332-285673

**Email:** [sonalisa.ray@ce.iitr.ac.in](mailto:sonalisa.ray@ce.iitr.ac.in)

*Sonalisa Ray*  
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**Sonalisa Ray** 06-10-25  
**Name and signature  
of Principal Investigator**

**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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Dean  
Sponsored Research & Industrial Consultancy  
Indian Institute of Technology Roorkee  
Roorkee-247 667 (INDIA)

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06.10.25

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06/10/25