

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Civil Engineering Department)

Dated: 01/04/2025

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 research project under the Principal investigator (Name: **Dr. Rakesh Ranjan**) and the Co-Principal investigator (Name: **Dr. Anjaneya Dixit**), Department of Civil Engineering, Indian Institute of Technology, Roorkee.

1. **Title of project:** Evaluation of Mechanical and Thermal Properties of Sun-dried local mud brick of Ladakh
2. **Sponsor of the project:** Defence Institute of High Altitude Research - Defence Research & Development Organisation, Leh (DIHAR – DRDO)
3. **Project position(s) and number:** Project ~~Fellow~~ ^{Assistant}: 01 (one position)
4. **Qualifications:**
 - Diploma in Civil Engineering or B. Tech in Civil Engineering with a CGPA above 6 (on a 10.0 scale) or a percentage greater than 60% aggregate, irrespective of category.
5. **Emoluments:** 25000/- per month (all inclusive).
6. **Duration:** For 6 Months (21/04/2025 to 31/10/2025)
7. **Job description:** The Project Assistant will be primarily involved in structural modeling and analysis to evaluate the performance of mud block-based construction in the unique climatic conditions of Ladakh. The role will focus on computational simulations and structural design along with experimental work. The candidate is expected to have:
 - Strong knowledge of structural analysis and numerical modeling, particularly for natural and earthen construction materials.
 - Proficiency in STAAD Pro for structural analysis and design of buildings.
 - Ability to process and interpret simulation results to assess the structural integrity and load-bearing capacity of mud block structures.
 - Familiarity with relevant design codes and standards for earthen construction.
 - Good documentation and report-writing skills for research findings and modeling results.
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 Principal Investigator through email (rakesh.ranjan@ce.iitr.ac.in):
 - Detailed Resume/CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ST candidates on equal qualifications and experience.
12. Please note that no TA/DA is admissible for attending the interview.

The last date for application to be submitted to the office of the Principal Investigator is 10th April 2025 by 5 PM.

Email: rakesh.ranjan@ce.iitr.ac.in

APPROVED

Rakesh Ranjan
01/04/2025
Dr. Rakesh Ranjan
Name and signature
Principal Investigator

Dean
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