

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

Dated: 17/09/2024

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 (**Dr. Rakesh Ranjan**) and the Co-Principal investigator (**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 Organization, Leh (DIHAR – DRDO)
3. **Project position(s) and number:** Project 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:** Initially for 5 Months which can be extended up to 12 months.
7. **Job description:** The Project Assistant will be involved in research and development activities. The role is experimental and will require hands-on work to assess the performance and suitability of mud blocks for construction purposes for the unique climatic conditions of Ladakh (work location: IIT Roorkee). The candidate is expected to have:
 - Basic knowledge of building materials with an emphasis on natural and earthen construction materials.
 - Experience in experimental techniques for evaluating mechanical properties (e.g., compressive strength, flexural strength) and thermal properties (e.g., thermal conductivity, heat capacity) of construction materials.
 - Ability to design and conduct experiments for material characterization, including preparing, testing, and analyzing samples in a laboratory setting.
 - Experience in documentation of experimental research work.
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 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 Principal Investigator by email is 25th September 2024, 5 PM.

APPROVED

Rakesh Ranjan
17/09/2024

Dr. Rakesh Ranjan
Name and signature
Principal Investigator

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

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