SRIC/06

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Department of Civil Engineering

Dated: 19 August 2026

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 Prof. Akanksha Tyagi**, **Co-Principal Investigator Prof. M. Ashraf Iqbal**, Civil Engineering Dept, IIT Roorkee and **Co-Principal Investigator Prof. Ashish Juneja**, IIT Bombay.

1. **Title of project:** Centrifuge and Numerical Modelling of Underground Explosions in Soils
2. **Sponsor of the project:** DRDO, New Delhi, DRD-3085-CED/25-26

Project Position	Number	Qualifications	Emolument	Job Description	Supervisors
Research Associate I	01	Ph.D. in Geotechnical Engineering/Earthquake Engineering/Mining/Soil Dynamics from IIT/NITs/CFTIs or reputed institutions PhD in one of the relevant areas-physical modelling/centrifuge modelling, or numerical modelling of blasts in soils, or dynamic loading At least one research paper in Science Citation Indexed (SCI) or Q1/Q2 journal.	Rs. 58000/- per month + 10% HRA	Perform Geotechnical characterisation tests, Methodology for centrifuge model tests, design of centrifuge model tests, Perform centrifuge tests at IIT Bombay*, Analysis of tests, Preparation of reports	----
JRF	01	B.Tech. in Civil Engineering (min CGPA 7.0/10 or 70%) and M.Tech. degree in Structural Engineering/Structural dynamics/Earthquake Engineering/Geotechnical Engineering (min CGPA 6.5/10 or 65%) GATE Qualified	Rs. 37000/- per month for 2 years + 10% HRA, Rs. 42000/- per month for 3rd year + 10% HRA [Eligible Candidate may be enrolled as PhD (project category)]	Conduct high-strain rate material characterisation of soils. Conduct numerical modelling of blasts in soils.	M.A. Iqbal and A.Tyagi

All candidates shall be officially enrolled at IIT Roorkee. *Travel and accommodation at IIT Bombay shall be supported by the Project.

19-08-26

3. **Duration:** Till July 2029
4. Candidates, before appearing for the interview, shall ensure that they are eligible for the position they intend to apply for.

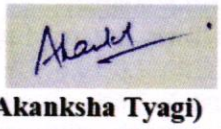
5. **Candidates desiring to appear for the Interview should submit their applications with the following documents :**
   - Application with a detailed CV including a chronological discipline of degrees/certificates and marks obtained.
   - Experience including research, industry and others.
   - Knowledge of finite element software and programming skills
   - Self-attested copies of the degree/certificate and experience certificate.
   - Abstract of MTech and/or PhD Thesis

6. Candidate may be asked to present the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
7. Please note that no TA/DA is admissible for attending the interview.
8. The interview will be conducted **online** via **Webex**. The Webex link will be sent to the shortlisted candidates after the initial screening.

9. **Send your applications by ~~31 August 2026~~** 04 September 2026 **to the following emails:**

Research Associate-I job to the email akanksha.tyagi@ce.iitr.ac.in

JRF job to the email ashraf.iqbal@ce.iitr.ac.in



(Akanksha Tyagi)
Name and Signature of Principal Investigator

Tel: [redacted]
Email: akanksha.tyagi@ce.iitr.ac.in

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

APPROVED

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Dean
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