

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Mechanical and Industrial Engineering Department)**

Dated: 06/08/2026

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 research project(s) under the Principal investigator: **Ajit Kumar Dubey, Mechanical and Industrial Engineering Department, Indian Institute of Technology, Roorkee.**

1. Title of project: **Theoretical and experimental determination of burn rate of metals/metal oxides and product species of high explosives through spectroscopy**
2. Sponsor of the project: **TBRL, DRDO, Chandigarh**
3. Project position(s) and number: **Research Associate and 1 number**
4. Qualifications: UG, PG and PhD degree in Mechanical/Aerospace/Chemical Engineering and qualified in a national level test such as GATE or CSIR-NET. Qualifying exam criteria can be relaxed for candidates having CGPA of 8.0 or more at UG, PG and PhD level. Candidates who have submitted their PhD thesis are also eligible.
5. Emoluments: 60000 per month (Gross)
6. Duration: From date of appointment until 12/06/2028
7. Job description: **Perform theoretical/numerical calculations for combustion and radiation; Perform experiments of emission spectroscopy for metal/hydrocarbon combustion.**

Terms

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply and make themselves familiar with basics of combustion required to perform the job.
2. Candidates who have experience in performing experiments of combustion are highly encouraged to apply
3. Candidates desiring to appear for the Interview should submit their applications via email to ajit.dubey@me.iitr.ac.in by 12/08/2026, The subject of the email should be "**Application for RA position in DRDO Project**". Attach a single pdf containing all the following details
 - Detailed CV including chronological information of CGPA or % marks obtained from secondary examination to PhD degree, along with project/thesis titles for UG, PG and PhD.
 - Details of project/internships/ training courses relevant to the project
 - Attested copies of degrees/certificates and experience certificates.
 - Score card for GATE or CSIR_NET etc
 - Name of two references who can comment on experience and ability of the candidate
 - At least 200 words and at most 1-page description explaining your motivation for this project position and reasons why you should be considered
4. Incomplete applications will not be considered.
5. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
6. Preference will be given to OBC/SC/ST candidates on equal qualifications and experience.

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7. Please note that no TA/DA is admissible for attending the interview.
8. The selected candidate can immediately join the project position

The interview will be held at Committee Room, Mechanical and Industrial Engineering, East block on 14/08/2026 at 10 AM

Tel: +91 1332 285192

Email: ajit.dubey@me.iitr.ac.in

Ajit K. Dubey
AJIT KUMAR DUBEY
Name and signature
of Principal Investigator

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

Approved

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