

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

Dated: **18/03/2026**

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

1. 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: **SRF and 1 number**
4. Qualifications: UG and PG 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 and PG level.
5. Emoluments: 42000 per month
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 basic 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, The subject of the email should be "**Application for SRF 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 PG degree, along with project/thesis titles for UG and PG.
 - 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. The last date for application submission is April 5, 2026
6. The interview will be held online and the date and time along with the link for the same will be communicated to the shortlisted candidates by 10 April 2026.



7. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of joining failing which the appointment will be cancelled.
8. Preference will be given to OBC/SC/ST candidates on equal qualifications and experience.
9. The selected candidate can immediately join the project position

Note: The selected candidate may get an opportunity for PhD admission.

Ajit K. Dubey
AJIT KUMAR DUBEY

Tel: +91 1332 285192

**Name and signature
of Principal Investigator**

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

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

Approved

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



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