प्रयुक्त यांत्रिकी विभाग
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज–211004 (उ0प्र0), भारत
Department of Applied Mechanics
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
Prayagraj– 211 004 (U.P.) India

Advertisement No. **560/AMD/Project Staff/2026** Date:03/11/2026

Advertisement for JRF/PA-II/RA-I (on Contract) under ARMREB, DRDO Project

Applications are invited from Indian nationals for the post of **JRF (Two Positions), PA-II (One Position), and RA-I (One Position) on contract** in research project entitled **"Failure Envelope Development and Multiscale Modelling for Solid Rocket Propellants using Coupled Experimental-Computational Approaches"** funded by **Armament Research Board (ARMREB) DRDO.** The duly completed application on prescribed format along with copies of supporting documents must reach to: Research & Consultancy Cell, Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 on or before **November 10, 2026**; **5 PM**. The envelope should be superscripted as **"Application for the Post of "JRF/PA-II/RA-I (on contract) under ARMREB, DRDO; Advertisement No. 560/AMD/Project Staff/2026".** A soft copy of the application should also be sent to Principal Investigator Dr. Abhishek Kumar Tiwari, Assistant Professor, Department of Applied Mechanics, MNNIT Allahabad through email on aktiwari@mnnit.ac.in. The position is purely temporary and will be governed by the Funding Agency Rules and Service Conditions of Research & Consultancy Cell, MNNIT Allahabad. Details of positions, number of vacancies, qualifications, fellowship amount and work location are given below:

SI. No.	Position	No. of Vacancy	Qualifications	Fellowship Amount (Rs.) and Tenure Duration	Work Location
1.	Junior Research Fellow	02	**Essential:** **B.E./B.Tech** in Mechanical/Aerospace Engineering/Aeronautical Engineering/Metallurgy/Metallurgical Engineering/ Materials Engineering/Material Science/Engineering and Computational Mechanics/Production Engineering in First Division **AND** **M.E./M.Tech** in Mechanical/Metallurgy/ Metallurgical Engineering/Material Engineering/Material Science/ Manufacturing Engineering/Production Engineering/Machine/Design/Thermal Engineering/Fluids Engineering/Engineering Mechanics and Design/Applied Mechanics in First Division **Desirable** The candidate with experience in finite element analysis of composites/any experience in experiments related to composites will be preferred.	Rs. 37,000/- per month + 20% HRA **Tenure:** 3 Years	One JRF will be positioned at MNNIT Allahabad, and Second JRF will be positioned at HEMRL Pune, DRDO.

2.	Project Associate-II	01	**Essential** **B.E./B.Tech** in Mechanical/ Aerospace Engineering/Aeronautical Engineering/Metallurgy/Metallurgical Engineering/ Materials Engineering / Material Science/ Engineering and Computational Mechanics/ Production Engineering) in First Division **AND** **M.E./M.Tech** in Mechanical/Metallurgy/ Metallurgical Engg. / Material Engineering/Material Science/ Manufacturing Engineering/Production Engineering/Machine/Design/Thermal Engineering/Fluids Engineering/Engineering Mechanics and Design/Applied Mechanics) in First Division **AND** Two years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities. **Desirable:** The candidate with experience in finite element analysis of composites in ABAQUS/ANSYS experience in experiments related to composites will be preferred.	Rs. 35,000/- per month + 20% HRA with GATE/NET qualification or Rs. 28,000/- + 20% without GATE/NET qualifications **Tenure:** 2 Years	Project Associate-II will be positioned at MNNIT Allahabad.
3	Research Associate-I (RA)	01	**Essential:** A Doctoral (Ph.D.) Degree or M. Tech with a minimum 3 years of experience in research, teaching, or design and development with specialization in Applied Mechanics/ Engineering Mechanics and Design/ Computational Mechanics/ Design (Mechanical Engineering)/ Stress Analysis/ Solid Mechanics or any other relevant discipline **with at least one research paper published in a Science Citation Index (SCI) journal**. **Desirable:** The candidate with good knowledge of mechanical and thermal characterization of composite materials, along with knowledge development of FEA model in ANSYS/ABAQUS will be preferred.	Rs. 58,000/- per month + 20% HRA **Tenure:** 2 Years	Research Associate-I will be positioned at HEMRL, DRDO Pune.

General Instruction

Age Limit: As per DST/ANRF norms (The upper age limit can be relaxed up to 5 years in the case of SC/ST/OBC/PwD or Female candidates).

Other Benefits: Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff.

Note:

1. The offer to join the post will be made after receiving/on availability the funds only. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to reject application at any time and consider candidates of exceptional credentials without applications. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates.
3. Mere possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted based on merit, the summary of previous work in the related area and need of the project.
4. Shortlisted Candidates will be informed by e-mail about the interview dates. So, they must provide their valid Email IDs in their applications.
5. Shortlisted candidates must present themselves for the interview on the interview date with updated CV and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications. The Interviews will be conducted in the physical mode only.
6. Applicants in employment (private, government or any other organization) are required to submit a "**No Objection Certificate"** from the employer at the time of interview.
7. No TA/DA will be paid for appearing in the interview.

Name of Principal Investigator **:** Dr. Abhishek Kumar Tiwari
Designation **:** Assistant Professor
Department **:** Applied Mechanics

अधिष्ठाता (शोध एवं परामर्श) कार्यालय
मोतीलाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज– 211004 (भारत)
OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
Prayagraj – 211 004 (India)

For office use only

Application No.…….. Date.....

APPLICATION FORM

Advt. No .560/AMD/Project Staff/2026
Dated: 02/09/2026

Research Project Entitled	Failure Envelope Development and Multiscale Modeling for Solid Rocket Propellants using Coupled Experimental-Computational Approaches
Sanction letter & Date	ARMREB/HEM/2026/344 dated 26/07/2026
Funding Agency	ARMREB (DRDO)
Name of P.I.	Dr. Abhishek Kumar Tiwari
Name of Co P.I.	Dr. Vibhuti Bhushan Pandey Dr. Ashutosh Mishra Dr. Ashutosh Kumar Upadhyay
Name of Position	☐ **Research Associate-I (RA-I)** ☐ **Project Associate-II (PA-II)** ☐ **Junior Research Fellow (JRF)**
Department/Section	Applied Mechanics

Self-Attested recent passport size Photograph

1.	Name of the Candidate (In Capital letter)	
2.	Sex	Male / Female / Other
3.	Marital Status	Married / Unmarried
4.	Date of Birth	
5.	Age	_____Years _____Months _____Days; (as on last date of application)
6.	Father's/Husband's Name	
7.	Present/Contact Address	
8.	Permanent Address	
9.	Mobile No.	
10.	E-mail	
11.	Nationality	
12.	Category	Gen / EWS / SC / ST / OBC / PwD (enclosed attested copy of certificate)
13.	GATE	Year: Score/Rank:
14.	**Educational Qualifications:**	

Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks	Division
10th or equivalent					
12th or equivalent					
B.E./B.Tech.					
M.E./MTech					
Ph.D.					

Title of M.E./MTech. Thesis:

Title of Ph.D. Thesis:

15.	Details of Experience in chronological order (Enclose a separate sheet duly authenticated under your signature if necessary)						
Organization	**Position**	**Salary/Emoluments**	**Nature of Duties**	**Nature of appointment**	**Period of Experience** **Year**	**Month**	**Days**

16.	**Research Publications (Attach list)**	**Numbers**
SCI Journals		
Non-SCI Journals		
International Conference/Seminar/ Symposium Proceeding		
National Conference/Seminar/Symposium Proceeding		

17.	Any other information	(i) Experimental exposure to composite related research work (ii) Exposure to commercial software (e.g. Ansys/ABAQUS). (iii) Written and Oral Communication Skills (Rate yourself in a scale of 1 to 5 where 1 means 'poor' and 5 means 'excellent' in the above categories. You may also write/attach documents in support of your claims)
18.	Indicated whether you propose to register for higher degree (PhD) at MNNIT, Allahabad	

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place: (Signature of the Applicant)
Date:

Enclosure- *Self attested copy of documents:*

1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. GATE score card (If qualified)
5. Experience certificate, if any