INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT

ADVERTISEMENT NO: R&D/1252/ISS/480   **DATED: 05.06.2025**

Project No: **R&D/SP/MME/ISS/2024-25/1252**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment   : **Junior Research Fellow (JRF)**

(b) Number of Post   : **01**

 (c) Duration of the Post   : **Initially 01 year and can be extended up to of 03 years subject to satisfactory performance.**

2. Name of the temporary research project: **In-situ/ex-situ electric field and temperature-dependent structural and microstructural study in piezoelectric Gd- CeO_2 thin films**

3. Name of the sponsoring Agency   : **ANRF- IRG**

4. Consolidated Fellowship/Salary   : **Rs. 37,000/- +HRA per month for first two years and Rs. 42,000/-+HRA per month for the third year (as applicable)**

5.Qualifications & Experience   : **B.Tech./B.E./M.Sc./M.Tech/M.E/Equivalent degree in Engineering/Science/Technology** in any one of the following departments/centers: Materials Science/ Metallurgy/ Mechanical/ Ceramic/ Physics/ Chemistry/ Nanoscience/ Nanotechnology and the related streams.

The candidate desirably should have B.Tech./B.E./M.Sc./M.Tech/ME/Equivalent degree with a minimum CPI of **6.5** or **60 %** of marks. The upper age limit for applying for the JRF position shall be **28years for B.Tech/B.E/MSc and 32 years for the M.Tech/M.E degree**. Relaxations for SC/ST/OBC/women/PD will be given as per the GOI rules.

Key responsibilities of a JRF include:
Research Work: Conduct literature reviews, experimental work, data collection, site visit, and data analysis as part of the research project. Project Assistance: Assist the PI in project planning,design, and execution. Data Interpretation: Analyse research data and interpret the results to draw meaningful conclusions.

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Report Writing: Prepare research reports, papers, and presentations to communicate findings and progress to the research team and stakeholders. Continuous Learning: Keep abreast of the latest developments and advancements in the field of research.

Collaboration: Collaborate with other researchers and team members to share knowledge and insights. Compliance: Ensure that research work is conducted in adherence to ethical guidelines and research protocols. Professional Development: Attend seminars, conferences, and workshops to enhance knowledge and research skills.

Interested and eligible persons may apply with up-to-date resume, showing educational qualification/marks obtained from 10th onwards with Gate/NET Score, experience (if any), publications (if any), and possible achievements.

Please send the resume and attached application form to the email ID: ajay.kalyani@iitp.ac.inby mentioning the subject line of the email as "**Application for JRF post under DST- IRG**".

Last date of received application: **20th June, 2025**.

After the shortlisting, the candidates will be called for a **WALK-IN INTERVIEW (hybrid mode)**. No TA/DA is admissible for appearing in the interview.

For any query contact Investigator(s): **Dr. Ajay Kumar Kalyani, Dept. of Metallurgical and Materials Engineering, IIT Patna, Email: ajay.kalyani@iitp.ac.in,** Tel.: +91 6115 233814

Copy to: **Assistant Registrar**
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  2. Advertisement file
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FORMAT OF APPLICATION FOR <u>Junior Research Fellow (JRF)</u>

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/ST/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			

Educational Qualification			
Institute/ Board	**Exam Passed**	**Year of Passing**	**% of Marks/CPI**
	10th Class		
	12th Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/MA) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:
Place: