



**INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT (R&D) UNIT**

ADVERTISEMENT NO : R&D/571/DRDO/207

Dated : 06.10.2021

Applications are invited in the prescribed format only for a research project funded PhD position in the Department of Metallurgical and Materials Engineering, IIT Patna.

1. (a) Name of the temporary assignment : Junior Research Fellow (May be enrolled in PhD)
(b) Number of Post : TWO
(c) Duration of Post : Initially Two years followed by extension of one more year or upto project completion date (whichever is earlier) subject to Satisfactory Performance.
2. Name of the temporary research project : "Plasma Spraying of rare-earth niobates powder and controlling its stoichiometry and porosity for the advanced thermal barrier coating applications".
3. Name of the sponsoring Agency : AR&DB, DRDO
4. Fellowship : Rs. 31000/ plus HRA as per GoI rule, for two years. Followed by Rs. 35,000/- plus HRA, as per GoI rule (subject to satisfactory performance)

5. Qualifications & Experience:

- i. For candidates with Master's degree level in the following selected disciplines: Metallurgy, Ceramic, Mechanical Engineering, Chemical Engineering / Technology, Physics, Applied Physics, Solid State Physics/Technology/Electronic Materials/Materials, Nanotechnology, Materials Science/Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Surface Science/Engineering, Mechatronics Engineering, Thermal Engineering, Industrial Engineering, Production Engineering, Manufacturing Engineering, Industrial and Production Engineering, Foundry and Forge Technology
- ii. First class (minimum 65% marks or 7.0 CPI) in M.Tech./ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./BE, 12th and 10th class.
 - a) For candidates with B. Tech./BE as qualifying degree in the following selected disciplines (Metallurgy, Ceramic, Mechanical, Chemical Technology, Nanotechnology, Materials Science/Engineering, Physics and Chemistry), 75% marks or 8.0 CPI in B.Tech./BE from institutes other than IITs/IISc and 7.0 CPI in B.Tech. from IITs and IISc with valid GATE score and first class (minimum 60% marks or 6.5 CPI) in 12th and 10th class.
 - b) The age should not exceed 28 years for a candidate with BE/B.Tech/M.Sc. degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification.
 - c) Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.



**INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT (R&D) UNIT**

Working/research experience in the field of Plasma spraying, Ceramic/metal composites, Nanocomposites, Environmental engineering, Composite fabrication techniques, Microstructure and Phase analysis, Mechanical and Tribological characterization will be given preference.

1. Candidates interested in this position and satisfying the qualification criteria should write an email to the project investigator Dr. Anup Kumar Keshri, Department of Metallurgical and Materials Engineering, IIT Patna (Email IDs: anup@iitp.ac.in, anup.kumar.keshri@gmail.com).
2. The subject of the email should read as “JRF Position PSR-571”. **The last date for receiving this email is 14th October 2021.**
3. The email MUST include the scanned/pdf copy of duly filled application form(see below) with applicant’s signature.
4. The email MUST include self-attested scanned pdf copy of all supporting documents(degree certificates, mark-sheets, GATE scorecard, and category certificate, if applicable).
5. The application should also include a brief Academic CV not exceeding two page.

IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above.

All candidates who apply via email by **14thOctober2021** (deadline) and are shortlisted will be informed regarding the further details by **18th October 2021**.

Date of ONLINE Interview: 20th October 2021. It is the responsibility of the applicant to ensure that they have reliable internet connectivity on the date of online interview.

Deputy Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT (R&D) UNIT

PROJECT CODE: R&D/SP/MME/DRDO/2021-22/571

ADVERTISEMENT NO : R&D/571/DRDO/207

Dated : 06.10.2021

FORMAT OF APPLICATION FOR “JUNIOR RESEARCH FELLOW”

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
	10 th Class		
	12 th Class		
	B.Sc or equivalent		
	M.Sc or equivalent		

Qualifying degree	Degree/ major/Specialization
B.Sc.	
M.Sc.	
Others	

Date:
Place:

Signature of applicant