



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

ADVERTISEMENT NO: R&D/532/BRNS/233

DATED: 30/12/2021

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

1. (a) Name of the temporary assignment : JRF
(b) Number of Post : One
- (c) Duration of Post : Initially One year extendable upto the Completion of project subject to Satisfactory performance
2. Name of the temporary research project : Plasma Sprayed Nano-diamond reinforced NiCrBSi Nanocomposite Coatings: Substitute to Electroplated Hard Chromium
3. Name of the sponsoring Agency : Board of Research in Nuclear Sciences (BRNS)
4. Consolidated Fellowship : Rs. 31000/- P.M. for first two years followed by Rs. 35,000/- P.M. in third year (subject to satisfactory performance)
5. Qualifications & Experience:
 - i. For candidates with Master's degree level in the following selected disciplines: Metallurgy, Ceramic, Mechanical Engineering (Thermal, design, manufacturing), 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.
Working/research experience in the field of Ceramic/metal composites, Nanocomposites, Environmental engineering, Composite fabrication techniques, Microstructure and Phase analysis, Mechanical and Tribological characterization, software like Ansys, Abaqus, solid works, matlab, FEA will be given preference.

Candidates interested in this position and satisfying the qualification criteria should appear for **the walk-in-interview and or online mode (on prior intimation to Investigator) on January 07, 2022** with their detailed biodata. No TA/DA is admissible for appearing in the interview.

For any query contact Investigator(s): Dr. Anup Kumar Keshri, Dept. of Metallurgical & Materials Engineering, IIT Patna, Emails: anup@iitp.ac.in Tel.: 06115 233 184.

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.

Sd/-
Assistant Registrar

Copy to:

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



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PROJECT CODE: R&D/SP/MME/BRNS/2020-21/532

ADVT NO: R&D/532/BRNS/233 DATED: 30/12/2021

FORMAT OF APPLICATION FOR JRF

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/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