



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

ADVERTISEMENT NO: R&D/1031/DBL/ 353

DATED: 20.03.2024

Project No. R&D/SP/MME/DBL/2023-24/1031

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

1. (a) Name of the temporary assignment : Senior Research Fellow.
(b) Number of Post : Two
(c) Duration of Post : One years initially followed by extension of two years subject to satisfactory performance
2. Name of the temporary research project : Development of Barrier layer Coating of refractory Metal/ Metal Carbide on Graphite Assembly for SiC Single Crystal Growth
3. Name of the sponsoring Agency: Defence Research and Development Organisation (DRDO)
4. Consolidated Fellowship: Rs. 42000/ + (@9% HRA) Rs. 3780/- = 45,780 Rs.
5. Qualifications & Experience:

a) For candidates with M.Tech./ME/MS as qualifying degree in Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Rubber Technology, Nanotechnology, Materials Science and Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Foundry and forge, Production engineering, Surface Science/Engineering and relevant fields: 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;

or

For candidates with B. Tech./BE as qualifying degree in the following selected disciplines (Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Nanotechnology, Materials Science and Engineering, Physics and Chemistry, Foundry and forge, Production engineering), 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 along with minimum 2 years' experience as JRF.

- 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 will be given preference.



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Interested and eligible candidates may send their applications with below annexure form with subject line SRF position to principle investigator (anup@iitp.ac.in) by **30/03/2024**. Shortlisted candidates will have the **Offline/On-line interview** on **04/04/2024 at 10:AM** at Dr. Anup Kumar Keshri, Dept. of Metallurgical and Materials Engineering, IIT Patna, Bihta, Patna – 801106 with updated resume along with the original copies of all supporting documents (certificates, mark-sheets, and degrees).

For any query contact Investigator(s) : **Dr. Anup Kumar Keshri, Dept. of Metallurgical and Materials Engineering, IIT Patna, Emails: anup@iitp.ac.in Tel.: 0612-3028184.**

Deputy Registrar/ Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. All Wardens, Halls of Residence, IIT, Patna
3. All other IITs/IITBHU/Universities
4. Advertisement file
5. Project file



Form No: RD-S2 (B)

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FORMAT OF APPLICATION FOR SENIOR 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