



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

ADVERTISEMENT NO: R&D/1031/DBL/458

DATED: 08/04/2025

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

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 : PhD position funded through project
(b) Number of Post : 1 (ONE)
(c) Duration of the Post : One year initially followed by extension of one year subject to satisfactory performance
2. Name of the temporary research project : Development of Barrier Layer Coating of Refractory Metal/Metal Carbide coating on Intricate Graphite Assembly for SiC Single Crystal Growth
3. Name of the sponsoring Agency : Defence Research and Development Organisation
4. Consolidated Fellowship/Salary : Rs. 42000/ + (@9% HRA) Rs. 3780/- = 45,780 Rs

5. Minimum Eligibility for 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 norms.

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 **16/04/2025**. Shortlisted candidates will have **Offline/On-line written exam/interview** on **19/04/2025 at 11:00 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 (GATE scorecard ,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

Copy to:

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



Form No: RD-M003

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PROJECT CODE: R&D/SP/CEE/LMG/2023-24/940

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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		
	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: