



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

**ADVERTISEMENT NO: R&D/1020/LCG/ 354**

**DATED: 20.03.2024**

Project No. R&D/SP/MME/LCG/2023-24/1020

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
  - (b) Number of Post : 1
  - (c) Duration of the Post : Initially for 1 year, may be extended for maximum 3 years or till the end of the project, whichever is earlier, depending on the satisfactory performance in the previous year(s).
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1. Name of the temporary research project : Low Cost Gram Scale High Quality & defect free Graphene by Scalable Plasma Spraying
  2. Name of the sponsoring Agency: Technology Development Program- Department of Science and Technology
  3. Consolidated Fellowship/Salary: Rs. 37000/- for first two years and by Rs. 42,000/- for 3<sup>rd</sup> year (subject to satisfactory performance on yearly basis). HRA will be provided as per DST norms.
  4. Qualifications & Experience: : M.Tech./ME/MS in Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Rubber Technology, Nanotechnology, Materials Science/Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Foundry and forge, Production engineering, Surface Science/Engineering with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./BE, 12<sup>th</sup> and 10<sup>th</sup> class. Or B.Tech. from IITs and IISc with 7.0 CPI or B.Tech./B.E. from other institutes with 75% or 8.0 CPI with valid GATE score in the above-mentioned disciplines.

The candidate desirably should have M.Tech./ ME degree with a minimum CPI of 7.0 or 65% of marks. The upper age limit for applying for the JRF position shall be 28 years (B.Tech/BE) or 32 years (M.Tech./ME). 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 **JRF 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 11: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**

*Sk.*

Copy to:

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