



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

ADVERTISEMENT NO: R&D/1498/SIL/613

DATED: 20.07.2026

Project No: **R&D/SP/CEE/SIL/2026-27/1498**

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 (JRF)
- (b) Number of Post : 01 (ONE)
- (c) Duration of the Post : Initially 01 year and can be extended up to 03 years or till completion of project, whichever is earlier, subject to satisfactory performance.

(Note: JRF may be inducted into the PhD programme of Dept. of CEE, IIT Patna)

2. Name of the temporary research project: **Stirred Tank Leaching System for Selective Recovery of Rare Earth Elements from Spent NdFeB Permanent Magnets using Organic Acid-based Deep Eutectic Solvent**

3. Name of the Sponsoring Agency : Anusandhan National Research Foundation (ANRF), Govt. of India, under the Advanced Research Grant (ARG) Program

4. Consolidated Fellowship/Salary : Rs. 37,000/- per month + HRA, as applicable (Appropriate enhancement in fellowship will be provided as per the guidelines of the funding agency)

5. Minimum Eligibility for Qualifications & Experience:

(a) For candidates with M.E. / M.Tech in Civil Engineering/Environmental Engineering/Materials Science and Engineering/Metallurgical Engineering/Chemical Engineering/Biotechnology or equivalent subject as qualifying degree with a minimum CPI of 6.5 or 60% of marks, and GATE qualification not older than 05 years from the last date of submission of application / NET qualification in the relevant discipline. Eligibility criteria will be relaxed by 5% marks or 0.5 CPI for SC/ ST applicants.

(b) For candidates with M.Sc in Environmental Science / Materials Science / Biotechnology / Microbiology / Chemistry or equivalent subject as qualifying degree with a minimum CPI of 6.5 or 60% of marks, and GATE qualification not older than 05 years from the last date of submission of application / NET qualification in relevant discipline. Eligibility criteria will be relaxed by 5% marks or 0.5 CPI for SC/ ST applicants.

(c) Candidates still to appear in their qualifying degree examinations may also apply, provided they complete all requirements for their degree before joining. If selected, such candidate shall be offered the position provisionally.

(d) The upper age limit for JRF shall be 28 years for a candidate with M.Sc., and 32 years for a candidate with M.Tech./M.E. degree as the highest qualification to be calculated as on the last date of application. Age relaxations for SC/ST/OBC/Women/PwD will be given as per the GoI norms.

(e) Candidates having relevant research or working experience in metallurgical extraction and recovery of metals, along with a good publication record and a strong commitment to pursuing Ph.D., will be given preference.

Key responsibilities of the JRF include:

Research Work: Conduct literature reviews, experimental work, handling of advanced equipment, data collection, and data analysis as part of the research project. Project Assistance: Assist the PI in project planning, design, and execution. Data Interpretation: Analyze research data and interpret the



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

results to draw meaningful conclusions. Report Writing: Prepare research reports, papers, and presentations to communicate findings and progress to the research team and stakeholders. Continuous Learning: Keep abreast of the latest developments and advancements in the field of research. Collaboration: Collaborate with other researchers and team members to share knowledge and insights. Compliance: Ensure that research work is conducted in adherence to ethical guidelines and research protocols. Professional Development: Attend seminars, conferences, and workshops to enhance knowledge and research skills.

6. Application procedure:

- (i) Candidates interested for this position and satisfying the minimum eligibility criteria should write an email to the Project Investigator (PI), Dr. Subrata Hait, Dept. of Civil and Environmental Engineering, IIT Patna (Email ID: shait@iitp.ac.in), with a copy to Co-PI, Dr. Arvind Kumar Jha, Dept. of Civil and Environmental Engineering, IIT Patna (Email ID: jhaarvind@iitp.ac.in)
- (ii) The subject of the email should read as “**Application for the Position of Junior Research Fellow (JRF) (SIL-1498)**”. **The last date for receiving application, with all enclosures, by email is 8th August 2026.**
- (iii) The application **MUST** include the **scanned/pdf copy of duly-filled application form** (in the prescribed format; please see below) with applicant’s signature.
- (iv) The application also **MUST** include self-attested scanned/pdf copy of all supporting documents (degree certificates, mark-sheets, GATE/NET scorecard, and category certificate, if applicable) as enclosures.
- (v) Copy of the peer-reviewed **journal papers**, if any, should also be enclosed with the application.
- (vi) The application should additionally include a **300-word statement of purpose (SOP)**. This document should elaborate on your interest in the broad area of this project and any relevant prior experience/skills which would help you in the assigned research problem.
- (vii) The application should also include a brief academic CV not exceeding two pages.

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 **8th August 2026** (deadline) and are shortlisted will be informed by email regarding further details by **10th August 2026**.

Tentative Date of Written Test and Interview: Friday, 21st August 2026. Candidates are required to make their own arrangements for travel and accommodation. No TA/DA or remuneration shall be provided for attending the written test and interview.

For any query, contact Project Investigator(s): **Dr. Subrata Hait, Dept. of Civil and Environmental Engineering, IIT Patna, Email: shait@iitp.ac.in**

Assistant Registrar (R&D)

Copy to:

1. Associate Dean, R&D, IIT Patna
2. All other IITs/NITs/Universities
3. Advertisement file
4. Project file



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

PROJECT CODE: R&D/SP/CEE/SIL/2026-27/1498

ADVERTISEMENT NO : R&D/1498/SIL/613

DATED: 20.07.2026

FORMAT OF APPLICATION FOR JUNIOR RESEARCH FELLOW (JRF)

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/ST /PwD)	DOB dd/mm/yy	Professional Exam. (GATE/CSIR-/UGC-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	

Experience (if any):

Signature of applicant

Date:

Place: