



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

ADVERTISEMENT NO: R&D/1033/DOE/542

DATED: 12/02/2026

Project No. R&D/SP/CBE/DOE/2023-24/1033

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

(c) Duration of the Post: Initially for 12 months and/or extended up to project end on performance basis

2. Name of the temporary research project : Development of an optimized and efficient lithium-ion battery thermal management system for electric vehicles utilizing phase change material and metal foam composites

3. Name of the sponsoring Agency : CRG-SERB

4. Consolidated Fellowship/Salary : 37,000 (for JRF)/42,000 (SRF) + HRA

5. Qualifications & Experience :

First class graduate in B. Tech/B. E. in Chemical/Mechanical/Electrical Engineering or allied branches with a minimum CPI of 6.5 or 60% of marks.

OR

M.Tech./M.E/M.Sc. in Relevant Disciplines: Chemical Mechanical/Electrical Engineering Engineering or allied branches/Physics/Chemistry with a minimum CPI of 6.5 or 60% of marks.

- The candidate with significant background in Molecular Simulations, Machine Learning, Quantum Chemistry, Computational Fluid Dynamics (CFD) and experience in coding and Linux environment will be given preference.
- Candidates are preferred with GATE/NET score*.
- The age should not exceed 28 years for a candidate with B.Tech/BE degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification. Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.

Interested and eligible candidates may apply along with up-to-date resume (showing educational qualification in % of Marks obtained from 10th onwards, Experience, Publications, Achievements and Names of two referees), and self-attested copies of all mark sheets & certificates in pdf or doc format.

Please send the duly filled application form as attached, mentioning the “**Application for JRF Position**” to the email id: atanu.metva@iitp.ac.in & anoopg@iitp.ac.in.

Please use the file name as: post-applied_first name_last name.pdf (e.g., JRF_X_X).

Last date of received of application: February 28, 2026.



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After the short-listing, the candidates will be informed accordingly to appear for the online/offline written test/interview. No TA/DA is admissible for appearing in the written test/interview.

For any query contact Investigator(s) : Dr. Atanu K Metya/ Dr. Anoop K Gupta, Dept. of Chemical & Biochemical Engineering, IIT Patna, Email: atanu.metya@iitp.ac.in Tel.: +91 6115 233 831.

*In case no suitable candidate is found with valid GATE/NET score the candidate having no GATE/NET score can be selected. However, a lower remuneration of JRF fellowship will be given as per SERB norms and the IIT Patna institute policy.

Assistant Registrar (R&D)

Copy to:

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



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PROJECT CODE: R&D/SP/CBE/DOE/2023-24/1033

ADVT NO: R&D/1033/DOE/542

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FORMAT OF APPLICATION FOR “JUNIOR RESEARCH FELLOW (JRF)”

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/ST/PTD)	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.Tech/B.E./B.Sc)	
(M.Tech/M.E/M.Sc)	
Others	

Signature of applicant

Date:

Place: