



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

NITR/SR/2022/Advt-21PH077/L/012, dt. 06.05.2022

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Study of instability and outburst in luminous blue variables (LBVs)." Selected candidate may enroll in Ph.D. Programme in the **Department of Physics and Astronomy, National Institute of Technology Rourkela** based on Institute norms and regulations.

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| 1. | Project Code | SR/21/PH/077 |
| 2. | Name of the Temporary Post | Junior Research Fellow - 01 |
| 3. | Name of the Research Project | "Study of instability and outburst in luminous blue variables (LBVs)" |
| 4. | Name of the Sponsoring Agency | Science and Engineering Research Board (SERB) |
| 5. | Tenure of the Project | 03 Years |
| 6. | Tenure of the Assignment | Initial for a period of one year (Extendable to three years upon satisfactory performance) |
| 7. | Job Description | Model construction, observation and data analysis related to luminous blue variables (LBVs). Scope to enroll as a Ph. D. Scholar in Department of Physics & Astronomy (has to satisfy Institute / Department Eligibility Criteria) |
| 8. | Consolidated monthly compensation / Fellowship | INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year) |
| 9. | Essential Qualifications and experience | M. Sc. in Physics / Astrophysics having 65% marks or 7.0 CGPA with a valid NET/GATE scorecard (Final Year MSc Students with a valid NET/GATE scorecard can also apply) |
| 10. | Desirable Qualifications / Exp. | Experience in Model construction of stars/ observation of stars |
| 11. | Accommodation | Bachelor / Married accommodation in the Institute may be provided subject to availability. |

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : **Dr. Abhay Pratap Yadav**
Address : Department of Physics and Astronomy
National Institute of Technology Rourkela, Odisha 769 008.
Mobile : 9630675634
E-mail : yadavap@nitrkl.ac.in

Date and Time for **On-line** Interview: **31.05.2022 at 10 AM**

Place of Interview: **Department of Physics and Astronomy, NIT Rourkela**

Eligible candidates may apply within **25.05.2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to yadavap@nitrkl.ac.in. The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/Job_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Job_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a **Single PDF** file; it is to be sent to Principal Investigator (yadavap@nitrkl.ac.in) **on or before 25.05.2022, 2359 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

**Sd/-
Asst. Registrar (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) **Dr. Abhay Pratap Yadav**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Physics and Astronomy (PH).
- 4) Project file.