



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

NITR/SR/2020/Advt-PH014/L/018 dt. 06.11.2020

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Structural Phase Transitions induced by Swift Heavy Ion Irradiations in Lead Free Ferroelectric Perovskite Oxides." Selected candidate may enrol in Ph.D. Programme in the **Department of Physics & Astronomy, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/20/PH/014
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	"Structural Phase Transitions induced by Swift Heavy Ion Irradiations in Lead Free Ferroelectric Perovskite Oxides".
4.	Name of the Sponsoring Agency	Inter-University Accelerator Centre (IUAC), New Delhi
5.	Tenure of the Project	Initial for a period of one year (Extendable to three years upon satisfactory progress)
6.	Tenure of the Assignment	Initial for a period of one year (Extendable to three years upon satisfactory performance)
7.	Job Description	To carry out the research work (Experimental), in the field of Ferroelectric Ceramic Oxides & to visit IUAC, New Delhi, for beam time & data collection. 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	INR14,000 (1st & 2nd year) and INR 16,000 (3rd year) [for Non-NET / Non- GATE / Non-JEST] <b>(OR)</b> INR 25,000 (1st & 2nd year) and INR 28,000 (3rd year) [for NET / GATE / JEST]
9.	Essential Qualifications and experience	M. Sc. in Physics with 65% marks or 7.0 CGPA, along with Institute norms.
10.	Desirable Qualifications / Exp.	Valid NET / GATE / JEST Score
11.	Accommodation	Bachelor 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 : Prof. Dillip Kumar Pradhan  
Address : Department of Physics and Astronomy  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 2729  
Mobile : 94371 70561  
E-mail : [dillippradhan@nitrkl.ac.in](mailto:dillippradhan@nitrkl.ac.in)

Date and Time for **On-line / Walk-in** Interview: **Will be notified later.**

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

Eligible candidates may apply within 07.12.2020, 2359 HRS. The candidates are required to send the complete filled up application form (Soft copy) to [dillippradhan@nitrkl.ac.in](mailto:dillippradhan@nitrkl.ac.in). The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/ Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Jobs_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 ([dillippradhan@nitrkl.ac.in](mailto:dillippradhan@nitrkl.ac.in)) **on or before 07.12.2020, 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) Prof. Dillip Kumar Pradhan, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Physics and Astronomy (PH).
- 4) Project file.