



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

**NITR/SR/2022/Advt-22MN046/L/056, dt.15.12.2022**

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF) / Project Assistant" for the Project entitled "Design of roof bolts as goaf edge support based on roof-rib mechanics for extraction of pillars with stowing." Selected candidate may enroll in Ph.D./M.Tech (R) Programme in the **Department of Mining Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/22/MN/046
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	Design of roof bolts as goaf edge support based on roof-rib mechanics for extraction of pillars with stowing
4.	Name of the Sponsoring Agency	TEXMiN Foundation grants funded by DST, Govt of India, IIT(ISM) Dhanbad
5.	Tenure of the Project	Two years (22-11-2022 to 21-11-2024)
6.	Tenure of the Assignment	Two years
7.	Job Description	<p>To carry out the research work in field during depillaring with stowing using different geotechnical instruments. Also, numerical modelling with varying parameters is to be done for evaluation of performance of underground structures during depillaring with stowing.</p> <p>Scope to enroll as a Ph.D. Scholar in Department of Mining Engineering (has to satisfy Institute / Department Eligibility Criteria)</p>
8.	Consolidated monthly compensation / Fellowship	INR 23,250/-
9.	Essential Qualifications and experience	B.Tech. Degree in Mining/civil/B.Sc./M.Sc. degree in Geology 65% marks or 7.0 CGPA, along with Institute norms. Relaxation of SC/ST/OBC/EWS category candidate will be considered as per norms of Government of India
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score, M.Tech. degree, experience of instrumentation and strata monitoring, numerical modelling.
11.	Age Limit	Maximum 35 Years
12.	Selection process	Screening and Interview
13.	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 : Prof. Sahendra Ram  
Address : Department of Mining Engineering  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 2614  
Mobile : 9470313115  
E-mail : [rams@nitrkl.ac.in](mailto:rams@nitrkl.ac.in)

Date and Time for **Off-line** Interview: **Will be notified later.**

Place of Interview: **Department of Mining Engineering, NIT Rourkela**

Eligible candidates may apply within **31.12.2022 2359 HRS.** The candidates are required to send the complete filled up application form (Soft copy) to [rams@nitrkl.ac.in](mailto:rams@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 [rams@nitrkl.ac.in](mailto:rams@nitrkl.ac.in) **on or before 31.12.2022. 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) Prof. Sahendra Ram, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Prof. Amit Kumar Gorai (MN).
- 4) Project file.