



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

**NITR/SR/2023/Advt-22EE077/L/004 dt.06.04.2023.**

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Diagnostic Monitoring and Identification of Failure Root Causes of Aged High Voltage Power Cable." Selected candidate may enroll in Ph.D. / M. Tech (R) Programme in the **Department of Electrical Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	<b>SR/22/EE/077</b>
2.	Name of the Temporary Post	Junior Research Fellow (JRF) (Post No.:01)
3.	Name of the Research Project	"Diagnostic Monitoring and Identification of Failure Root Causes of Aged High Voltage Power Cable".
4.	Name of the Sponsoring Agency	SERB
5.	Tenure of the Project	03 Years( from 22.03.2023 to 21.03.2026)
6.	Tenure of the Assignment	03 Years Initial for a period of one year (Extendable to three years upon satisfactory performance)
7.	Job Description	Primary responsibility is to carry out research on the proposed project. The project student may be transformed to PhD on satisfying all the criterion of the institute and observed performance.
8.	Consolidated monthly compensation / Fellowship	31,000 + HRA (as applicable) (first 2 years) 35,000 + HRA (as applicable) (Third year) <a href="#">OM Fellowship Revision-2019.pdf (dst.gov.in)</a>
9.	Essential Qualifications and experience	B.Tech and M.Tech in Electrical Engineering/High Voltage Engineering/Power System with 60% marks, or GATE Qualified <a href="#">OM Fellowship Revision-2019.pdf (dst.gov.in)</a> Stronghold in MATLAB Programming, Signal Processing Technique
10.	Desirable Qualifications / Exp.	B.Tech and M.Tech in Electrical Engineering, GATE Qualified, Preference will be given first class all throughout the career Preference more for experience on hardware design and Signal Processing/ Soft Computing Technique
11.	Age	As per Institute/DST Norms. <a href="#">OM Fellowship Revision-2019.pdf (dst.gov.in)</a>
12.	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. Subrata Karmakar  
Address : Department of Electrical Engineering  
National Institute of Technology Rourkela, Odisha-769008.  
Tel. No. : 0661-246 2411  
Mobile : 9439782318  
E-mail : [karmakars@nitrkl.ac.in](mailto:karmakars@nitrkl.ac.in)

Date and Time for **Walk-in** Interview: **28.04.2023 at 10:00 AM.**

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

Eligible candidates may apply within **21.04.2023, 2359 HRS.** The candidates are required to send the complete filled up application form (Soft copy) to [karmakars@nitrkl.ac.in](mailto:karmakars@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 ([karmakars@nitrkl.ac.in](mailto:karmakars@nitrkl.ac.in)) **on or before 21.04.2023, 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. Subrata Karmakar**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department of Electrical Engineering (EE)
- 4) Project file.