



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

**NITR/SR/2021/Advt-21ME057/L/071, dt. 08.02.2022**

Applications are invited on prescribed format (**On-line**) for the temporary post of "**Junior Research Fellow (JRF)**" for the Project entitled "Design, Optimisation and Experimental Investigation of High Speed Turbomachinery Rotor Supported on Gas Foil Bearing.." in the **Department of Mechanical Engineering, National Institute of Technology Rourkela.**

1.	Project Code	<b>SR/21/ME/0057</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	"Design, Optimisation and Experimental Investigation of High Speed Turbomachinery Rotor Supported on Gas Foil Bearing..".
4.	Name of the Sponsoring Agency	Science and Engineering Research Board(SERB)
5.	Tenure of the Project	3 Years
6.	Tenure of the Assignment	3 Years
7.	Job Description	Research work of the project includes Design and Development of various gas bearings for high speed rotor. Candidate may register for Ph.D. at NIT Rourkela subject to fulfilling the Institute criteria.
8.	Consolidated monthly compensation / Fellowship	INR 31,000/- per month (1st & 2nd Yr.) & INR 35,000/- per month (3rd Yr.)
9.	Essential Qualifications and experience	M. Tech ( Machine Design)
10.	Desirable Qualifications / Exp.	Working experience in Matlab, SolidWorks and basic understanding of vibration, bearings and rotordynamics
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. Suraj Kumar Behera**  
Address : Department of Mechanical Engineering  
National Institute of Technology Rourkela, Odisha 769 008.  
Mobile : 9040893760  
E-mail : [beherask@nitrkl.ac.in](mailto:beherask@nitrkl.ac.in)

Date and Time for **On-line / Walk-in** Interview: **8th March, 2022 at 10:30 AM**

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

Eligible candidates may apply within **06.03.2022, 23:59 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to [beherask@nitrkl.ac.in](mailto:beherask@nitrkl.ac.in). The application form is available in the following link: [https://nitrkl.ac.in/oldwebsite/Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](https://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 ([beherask@nitrkl.ac.in](mailto:beherask@nitrkl.ac.in)) **on or before 06.03.2022, 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. Suraj Kumar Behera, PI** with a request to give wide publicity to this advertisement.
- 3) **Prof. J. Srinivas, Co- PI** with a request to give wide publicity to this advertisement.
- 4) Head of the Department, Mechanical Engineering.
- 5) Project file.