



**NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA – 769 008 (ODISHA)
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

NITR/SR/2021/Advt-21CH059/L/070, dt. 07.02.2022

Online/Walk-in Interview will be conducted on **February 25, 2022 at 11.00 AM** for the following assignment in research project undertaken in the **Department of Chemical Engineering** of the institute. Selected candidate may enroll in Ph.D. Programme in the Department of Chemical Engineering, National Institute of Technology Rourkela based on Institute norms and regulations.

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|-----|--------------------------------------|---|
| 1. | Name of the temporary post & No. | Junior Research Fellow (JRF) – 01 (Project Code: SR/21/CH/059) |
| 2. | Name of the Research Project | Development of Low-cost No-Lithium Zeolite Adsorbents for Fabricated PSA-based Oxygen Concentrator |
| 3. | Name of the sponsoring Agency | SERB, DST (COVID19 Special Call-2021) |
| 4. | Tenure of the project | 1 year |
| 5. | Tenure of the assignment | One year (The project student may be transformed to PhD on satisfying all the criterion laid by the institute) |
| 6. | Job description (Give details) | The incumbent will be involved in developing Zeolite for Air separation applications, specifically in development of Portable Oxygen concentrator. Prior hands on experience in materials synthesis and Characterization will be an added advantage. |
| 7. | Consolidated monthly fellowship | Rs. 31,000/- for 1 st year |
| 8. | Essential Qualification & Experience | A Master's degree (M.E./M.Tech.) in Chemical/Mechanical/Ceramic or allied discipline in Engineering with minimum CGPA of 6.5/10.0 (or 60% aggregate) and Successful score in GATE exam (preferably) OR a Bachelor's degree (B.E./B.Tech.) in Chemical/Mechanical/ Ceramic or allied discipline in Engineering with a Minimum CGPA of 8.0/10.0 (or 75% aggregate). |
| 9. | Desirable Qualification/Experience | Throughout First-class. |
| 10. | Accommodation | Bachelor accommodation in the Institute will be provided and campus accommodation may be provided to married students subject to availability. |

For technical information on the project, the candidate may contact the Principal Investigator (PI) with his/her updated CV at the following address:

Name : **Prof. Sujit Sen**

Address: Department of Chemical Engineering,
National Institute of Technology (NIT), Rourkela
Rourkela- 769008.
Telephone No: +91-661-246- 2254 (O) , 7735453175 (M)
E-mail: sensujit@nitrkl.ac.in, sensujit@gmail.com

Date and Time for **On-line** Interview: **25.02.2022 at 10.00 AM**

Eligible candidates may apply within **20.02.2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to sensujit@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 (sensujit@nitrkl.ac.in) **on or before 20.02.2022, 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, GATE certificate, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be cancelled 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 (SRICCE)

Copy to:

1. All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.
2. **Prof. Sujit Sen**, Principal Investigator with a request to give wide publicity to advertisement.
3. Head of the Department, CH.
4. Project file.