



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

Advt No: NITR/SR/ME-007/293

Dated: 15.05.2018

Walk-in Interview will be conducted on **June 07, 2018 Time 10:00 AM** for the following assignment in a time-bound research project undertaken in the Department of Mechanical Engineering (ME) of the Institute

1. Name of the Temporary Post : Senior Research Fellow (SRF) (1 post)
2. Name of the Research Project :Development of a compact indigenous cryocooler based on single-stage GM type Pulse Tube refrigerator
3. Name of the Sponsoring Agency : PFRC, BRNS
4. Tenure of the Project : 02 years
5. Tenure of the Assignment :02 years, Extendable annually till completion of the project, subject to satisfactory performance
6. Job Description : To carry out research work in line of the project. Numerical and Experimental investigation on Single-stage GM type Pulse Tube refrigeration will be carried out. Design and fabrication of different parts of the GM type Pulse Tube refrigerator will be conducted. Candidate should have proper knowledge and understanding in the specialization of heat Transfer and Fluid Mechanics.
7. Consolidated monthly Fellowship : Rs. 28,000/- per month (1st and 2nd year)
8. Essential Qualifications and experience :M.Tech / ME in the Specialization of Thermal Science and Engineering or Cryogenics. The candidate should be NET/GATE qualified, and should have 1st Class (CGPA 7.5 or 70 % in aggregate) in qualifying examination.

Or

BE/B.Tech in Mechanical Engineering plus 2 years' experience. The candidate should be NET/GATE qualified, and should have 1st Class (CGPA 7.5 or 70 % in aggregate) in qualifying examination.

The upper age limit is 34 years on the day of the interview.

- 9 Desirable Qualifications/
Experiences Valid GATE score/NET/NET-Lectureship and having research experience in Heat Transfer and Fluid Mechanics or Cryogenics specialization will be preferred.
- 10 Accommodation Bachelor accommodation in the Institute may be provided subject to availability
- 11 For technical information on the project, the candidate may contact the Principal Investigator at the following address:
Name : Dr. Suman Ghosh
Address : Department of Mechanical Engineering (ME), NIT Rourkela., Rourkela-769 008, Odisha, India
Telephone No : 0661-2462531 (O), +91 8895163256 (M)
E-mail : ghoshs@nitrkl.ac.in; ghoshsuman2000@gmail.com

Date and Time for walk-in Interview: **June 07, 2018, Time 10:00 AM.**

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

Eligible persons should bring all the **original certificates and mark sheets, filled application form in the prescribed format (available in the Institute Website) affixed with recent colored photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/ mark sheets, publications etc. at the time of interview.** Candidates will be selected based on merit and need of the project.

Asst. Registrar (SRICCE)

Copy to:

1. All Head of the Departments, NIT, Rourkela for publication on Departmental Notice Boards
2. Prof. Suman Ghosh, Principal Investigator with a request to give wide publicity to advertisement
3. Head of the Department, ME
4. Project File.