



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

Advt No: NITR/SR/ME-007/305

Dated: 29.06.2018

**Walk-in Interview** will be conducted on **July 20, 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 in line of the project. Investigation on Single-stage GM type Pulse Tube refrigeration will be carried out. Candidate should have knowledge and understanding in heat Transfer and Fluid Mechanics.
7. Consolidated monthly Fellowship :Rs. 28,000/- per month (1<sup>st</sup> and 2<sup>nd</sup> year)
8. Essential Qualifications and experience :M.Tech/ME in the Specialization of Thermal Science and Engineering or Fluid Mechanics or Cryogenics. The candidate should have 1st Class in qualifying examination.

**Or**

M.Sc./BE/B.Tech in Mechanical Engineering plus 2 years' experience. The candidate should have 1st Class in qualifying examination.

***(The upper age limit is 35 years on the day of the interview)***

- 9 Desirable Qualifications/ Experiences :GATE score/NET/NET-Lectureship and having research experience in Heat Transfer and Fluid Mechanics or Cryogenics specialization may 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), +91 9437809878  
E-mail :ghoshs@nitrkl.ac.in; ghoshsuman2000@gmail.com

Date and Time for walk-in Interview: **July 20, 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.