



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

Advt No: NITR/SR/CR-004/301/WI

Dated: 12.06.2018

**Walk-in Interview** will be conducted on **28<sup>th</sup> June 2018, Time 10:00 AM** for the following assignment in a time-bound research project undertaken in the Department of Ceramic Engineering (CR) of the Institute

1. Name of the Temporary Post : Junior Research Fellow (JRF) (1 post)
2. Name of the Research Project : Fabrication and characterization of  $\text{Li}_2\text{TiO}_3$ - $\text{Li}_4\text{SiO}_4$  pebbles with optimized strength and porosity by novel freeze granulation technique
3. Name of the Sponsoring Agency : PFRC, BRNS
4. Tenure of the Project : 03 years
5. Tenure of the Assignment : 03 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. Synthesis and characterizations of Li-based ceramic powder by different technique. Fabrication and characterization of Li-based ceramic pebble by freeze granulation technique in the perspective of ceramic breeder or environmental or energy related applications.
7. Consolidated monthly Fellowship : Rs. 25,000/- per month (1<sup>st</sup> and 2<sup>nd</sup> year)  
Rs. 28,000/- per month (3<sup>rd</sup> year)  
In addition, annual hostel seat rent and establishment fee will be reimbursed.
8. Essential Qualifications and experience : M.Sc. or equivalent in basic science (Physics/chemistry/Materials Science/Nanoscience) with CGPA 7.0 or 65 percent marks in aggregate in relevant disciplines **Or**

B.Tech or equivalent in professional course (Ceramic/Metallurgical & Materials/Chemical Engineering/Mechanical Engineering with CGPA 7.0 or 65 percent marks in aggregate **Or** M.Tech in professional course (Ceramic/Metallurgical & Materials/Chemical Engineering/Mechanical Engineering/Nanotechnology) and with at least 6.5 CGPA or 60 percent marks in aggregate in both B.Tech. (or M.Sc. or equivalent) and M. Tech. levels. The upper age limit is 32 years on the day of the interview.

9. Desirable Qualifications/ Experiences : Research experience in materials processing and characterization 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. Ranabrata Mazumder  
Address : Department of Ceramic Engineering (CR),  
N.I.T., Rourkela- 769 008  
Telephone No : 0661-2462208 (O), 9438391787 (M)  
E-mail : ranabrata@nitrkl.ac.in; rana\_brata@hotmail.com

Date and Time for walk-in Interview: **28<sup>th</sup> June, 2018, Time 10:00 AM.**

Place of Interview: **Department of Ceramic 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. Ranabrata Mazumder, Principal Investigator with a request to give wide publicity to advertisement  
3) Head of the Department, CR  
4) Project File.