



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

Advt No: NITR/SR/17/CR/056/284

Dated: 03/04/18

Walk-in Interview will be conducted for following assignment in a time bound research project undertaken in the Department of Life Science (LS) of the Institute on **16th April 2018 and Time 10:00 a.m.**

1.	Name of the Temporary Post:	Junior Research Fellow (JRF) – 01.
2.	Name of the Research Project:	Mechanochemical Milling and Low Temperature Sintering of Nanostructured MgAl ₂ O ₄
3.	Name of the Sponsoring Agency:	SERB, DST
4.	Tenure of the Project:	3 years. (April 2018 to March 2021)
5.	Tenure of the Assignment:	Extendable annually till completion of project, subject to satisfactory performance.
6.	Job Description:	To complete the research objectives. Synthesis, fabrication and characterizations of nanostructured MgAl ₂ O ₄ , followed by grain size dependent failure analysis in the perspective of high impact armour or thermo-mechanical refractory applications.
7.	Consolidated monthly compensation / Fellowship:	Rs. 25,000/- per month (1 st and 2 nd year) Rs. 28,000/- per month (3rd year)
8.	Essential Qualifications and experience:	M.Tech Engineering in Ceramic, Chemical, Mechanical, Materials Engg, and other branches. or B.Tech/M.Sc with having GATE/NET. Preferred experience in designing and analysis of components.
9.	Desirable Qualifications / Experiences :	B.Tech in Ceramic, Metallurgy, Mechanical, Mining, Chemical Engg/ M.Sc in Physics, Chemistry, Nanomaterials, Nanosciences. Candidate should have qualified GATE/NET with having <i>only</i> B.Tech/M.Sc degree.
10.	Accommodation:	Bachelor accommodation in the Institute may be provided subject to availability.

P.T.O.

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name: Prof. Debasish Sarkar
Address: Department of Ceramic Engineering, National Institute of Technology (NIT), Rourkela-769 008.
Telephone No: +91-661-246-2207 (office),
Mobile: 09556661401
E-mail: dsarkar@nitrkl.ac.in, ds.nitrkl@gmail.com

Date and Time for walk-in Interview: **16th April, 2018 at 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 colored photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/ mark sheets, publications etc.. at the time of interview.**

Asst. Registrar (SRICCE)

Copy to:

- 1) All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.
- 2) Prof. Debasish Sarkar, Principal Investigator with a request to give wide publicity to advertisement.
- 3) Head of the Department of Ceramic Engineering
- 4) Project file.