



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

Advt. No.: NITR/SR/18/MM/057/2019/360

Dated: 12.03.2019

Applications are invited on prescribed format for the following assignment in a purely time bound research project undertaken in the Department of Metallurgical and Materials Engineering of the Institute.

1.	Name of the Temporary Post	Junior Research Fellow.
2.	No. of positions	01.
2.	Name of the Research Project	Commercial scale synthesis of graphene by electrochemical exfoliation technique and its exploration as an anti-corrosion coating material for structural components.
3.	Name of the Sponsoring Agency	SERB, DST, India.
4	Tenure of the Project	22 <sup>nd</sup> Feb 2019 to 21 <sup>st</sup> Feb 2022.
5	Tenure of the Assignment	36 months or till the end of the project whichever is earlier.
6	Job Description	To carry out research work in line of the project.
7.	Consolidated monthly compensation / Fellowship	1 <sup>st</sup> year: INR 25,000/month 2 <sup>nd</sup> year: INR 25,000/month 3 <sup>rd</sup> year: INR 28,000/month
8.	Essential Qualifications and experience	<ul style="list-style-type: none"> <li>▪ A Master's degree in Engineering (Metallurgy and Materials, Chemical, Mechanical) with minimum CGPA of 6.5/10.0 (or 60% aggregate)</li> <li>▪ Bachelor's degree in Engineering (Metallurgy and Materials, Chemical, Mechanical) with a minimum CGPA of 8.0/10.0 (or 75% aggregate) and Gate qualified.</li> <li>▪ Master's degree in Science (Chemistry/Physics) or an Allied area while satisfying each of the following three criteria: (a) Minimum CGPA of 8.0/10.0 (or 75% aggregate) in the Master's degree, (b) First division in Bachelor's degree, and (c) JRF/95 percentile or higher in GATE score. Essential qualification/experience for JRF will be as per the DST norms.</li> </ul>
9.	Desirable Qualifications/ Experiences	Prior research experience in graphene synthesis, electroplating, corrosion preferred but not mandatory.
10.	Accommodation	Bachelor accommodation in the Institute may be provided subject to availability.

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

Name : **Prof. Archana Mallik**  
Address : Department of Metallurgical and Materials Engineering  
NIT Rourkela, Odisha 769 008.  
Telephone No : 0661-246 2558  
E-mail : archanam@nitrkl.ac.in

Eligible persons may apply in the prescribed format (available in the Institute Website) affixed with coloured photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/ mark sheets, publications etc., to **Asst. Registrar, SRICCE, National Institute of Technology, Rourkela-769 008 on or before 27.03.2019**. The cover should be super- scribed clearly the post applied for & Name of the Project.

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. Archana Mallik, Principal Investigator with a request to give wide publicity to advertisement.
3. Head of the Department, MM.
4. Project file.