



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

Advt. No.: NITR/SR/19/CR-011/2019/L/370 (Extn.)

Date: 13.05.2019

**This notification is released with an extension date in consideration of the candidates hailing from the affected areas of recent “FANI” cyclone. However, candidates unable to submit applications on or before 20.05.2019 shall utilize the opportunity to attend the walk-in interview on the extended date i.e., on 27.05.2019, which will be the final date of interview after which the final results will be published appropriately.**

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

**Extended date for receipt of hard copy applications to the undersigned : 20.05.2019**  
**Walk-in Interview : 27.05.2019**  
**(09:00 AM)**

1.	Name of the temporary post & No.	<b>Junior Research Fellow (JRF) – 01</b>
2.	Name of the Research Project	Development of nano-structured Si-Void-C yolk/shell architecture for high-performance Li-ion battery anode.
3.	Name of the sponsoring Agency	DST Nano mission
4.	Tenure of the project	3 years (01.04.2019 to 31.03.2022)
5.	Tenure of the assignment	36 months or till the end of the project whichever is earlier. Extendable annually till completion of project, subject to satisfactory performance
6.	Job description	The incumbent will be involved in developing Si-C based composite anode for Li-ion batteries. Knowledge in Physics, Chemistry, Electrochemistry & prior hands-on experience in battery, capacitor, and fuel cell fabrication will be preferred.
7.	Consolidated monthly fellowship	i) Rs. 27,500/- for 1 <sup>st</sup> and 2 <sup>nd</sup> years. ii) Rs.30,800/- for 3 <sup>rd</sup> yr.
8.	Essential Qualification & Experience	Master's degree in Engineering (Ceramics, Metallurgy, Materials Science, Chemical, Mechanical) with minimum CGPA of 6.5/10.0 (or 60% aggregate) (OR) Bachelor's degree in Engineering (Ceramics, Metallurgy, Materials Science, Chemical, Mechanical) with a minimum CGPA of 8.0/10.0 (or 75% aggregate) with valid GATE score. (OR) Master's degree in Science (Chemistry/Physics only) with Minimum CGPA of 8.0/10.0 (or 75% aggregate) in the Master's degree, first division in Bachelor's degree and valid GATE score or NET qualified. Qualification/experience for JRF position will be as per DST norms.
9.	Desirable Qualification/Experience	Qualification and experience same as above.
10.	Accommodation	Bachelor accommodation in the Institute will be provided and campus accommodation may be provided to married students subject to availability.

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

Name : **Prof. Partha Saha, Assistant Professor**  
Address : Department of Ceramic Engineering,  
National Institute of Technology Rourkela, Odisha 769 008.  
Telephone No : +91-661-246-2211 (Office)  
E-mail : [sahap@nitrkl.ac.in](mailto:sahap@nitrkl.ac.in)

Eligible persons may apply in the prescribed format (available in the Institute Website: [https://nitrkl.ac.in/OldWebsite/Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](https://nitrkl.ac.in/OldWebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf)) 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 20.05.2019 [Extended date]**. The cover should be super-scribed clearly with the post applied for & Name of the Project. **A final walk-in interview will be held on 27.05.2019 in the Department of Ceramic Engineering, NIT Rourkela at 09:00 AM.**

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. Partha Saha, Principal Investigator with a request to give wide publicity to advertisement.
3. Head of the Department, CR.
4. Project file.