



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

Advt. No.: NITR/SR/18/CR-020/2019/WI/L/383

Date: 06.06.2019

**Walk-in Interview** will be conducted for following assignment in a time bound research project (SR/18/CR-020) in the **Dept. of Ceramic Engineering, NIT Rourkela on 21.06.2019 and Time 3:00 P.M.**

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|----|---|--|
| 1  | Name of the temporary post                      | Junior Research Fellow   |
| 2  | Name of the research project                    | Nanostructured silicon-carbon hybrid anodes with high rate capability and cyclic stability for Li ion batteries  |
| 3  | Name of the sponsoring agency                   | SERB, DST  |
| 4  | Tenure of the project and amount sanctioned     | 3 Years/ 10 Lakhs  |
| 5  | Tenure of the assignment                        | 3 Years  |
| 6  | Job description                                 | Processing of novel hybrid nanostructures of Si and C, characterization of the materials, and electrochemical testing for Li ion battery anodes.   |
| 7  | Consolidated monthly compensation or fellowship | 25,000 pm for 1 <sup>st</sup> 2 years, 28000 pm for 3 <sup>rd</sup> year. Likely to be increased to 31,000 and 35,000 after approval from DST.   |
| 8  | Essential qualification and experience          | BE/BTech (Ceramic/ Metallurgy/ Chemical/ Mechanical Engg) with valid GATE score<br>Or<br>M.Sc. (Physics/ Materials Science/ Nanotechnology/ Chemistry) with valid GATE score<br>Or<br>MTech (Ceramic/ Metallurgy/ Materials/ Chemical/ Nanotechnology/ Mechanical) |
| 9  | Desirable qualification and experience          | Laboratory experience in nanomaterials synthesis and characterization  |
| 10 | Trade test                                      | Not required   |
| 11 | Last date of receipt of application             | Walk-in-interview on 21.06.2019 (at 3.00 PM) at the Department of Ceramic Engineering, NIT Rourkela.   |
| 12 | Accommodation:                                  | Bachelor accommodation in the Institute may 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. Shantanu K Behera, Associate Professor  
Address : Department of Ceramic Engineering,  
National Institute of Technology, Rourkela, Odisha 769 008.  
Telephone No : +91-661-246 2214 (Office)  
E-mail : [beherash@nitrrkl.ac.in](mailto:beherash@nitrrkl.ac.in)

Date and Time for walk-in Interview: **21.06.2019 at 3:00 PM.**

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.

**Sd/-  
Asst. Registrar (SRICCE)**

Copy to:

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