



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

Advt. No.: NITR/SR/18/PH-063/2019/WI/L/388

Date: 10.06.2019

Walk-in Interview will be conducted for following assignment in a time bound research project (**SR/18/PH-063**) in the **Department of Physics and Astronomy (PH)**, NIT Rourkela on **21.06.19 and Time 3:00 P.M.**

1.	Name of the Temporary Post	Junior Research Fellow (JRF) No. of positions –01.
2.	Name of the Research Project	Fabrication of ultrathin MoTe ₂ /MoS ₂ heterostructure based Infrared detectors by chemical vapour deposition technique
3.	Name of the Sponsoring Agency	DRDO
4.	Tenure of the Project& Amount sanctioned for the post	25.02.2019 to 24.02.2022 Rs. 9.36 lakhs
5.	Tenure of the Assignment	03 years
6.	Job Description	Research work on materials (thin films and nanostructures) synthesis and characterization for IR detectors.
7.	Consolidated monthly compensation / Fellowship	Rs. 25,000/- per month for 1 st and 2 nd year and Rs 28,000/- per month for 3 rd year * Subjected to the revision by DRDO. * The fellowship for non-GATE or non-NET candidates will be as per DRDO norms.
8.	Essential Qualifications and experience	First division allthrough the career with minimum of 65% of marks in M. Sc./M.Tech. in Physics / Materials Science.
9.	Desirable Qualifications/ Experiences	* Experience in synthesis and characterizations of materials * GATE/NET
10.	Trade Test	Required/Not required.
11.	Project Code	SR/18/PH/063
12.	Accommodation	Bachelor accommodation in the hostel will be provided and Campus accommodation may be provided to married students subject to availability. (campus stay is compulsory)

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

Name : **Prof. Jyoti Prakash Kar**
Address : **Department of Physics and Astronomy (PH)**
National Institute of Technology Rourkela, Odisha 769 008.

Telephone No : 0661-246 2732 (O)
Mob : 94385 32157
E-mail : karjp@nitrkl.ac.in

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

Place of Interview: **Department of Physics and Astronomy (PH), 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. Jyoti Prakash Kar, PI with a request to give wide publicity to advertisement.
- 3) Head of the Department, PH
- 4) Project file.