INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Polymer & Process Engineering)

Dated:01/10/2020

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for a project position as per the details given below for the research project under the Principal investigator **Dr. Abhijit Maiti**, Dept. of Polymer & Process Engineering, Indian Institute of Technology, Saharanpur Campus, Saharanpur-247001.

1. Title of project: **Arsenic and other contaminants free drinking water production of ~20,000 L/day in the arsenic affected area of India using laterite and ferromanganese slag based technology**

2. Sponsor of the project: SERB (Through IMPRINT-2A scheme)

3. Project position(s) and number: JRF (one)

4. Qualifications & Experience: **M.Tech. in Chemical Engineering/ Chemical Technology/ Production/ Mechanical/Civil /Industrial/Environmental Engineering/other suitable Engineering/M.Sc. Chemistry or Applied chemistry with GATE score. Knowledge in reaction engineering, water quality measurement and modeling and simulation of chemical process is preferable.**

5. **Emoluments: Rs./ 31000 per month and 35000 pm (after successful completion of ~~one~~ Two year in this project as JRF)**

6. Duration: **18 months (up to duration of the project)**

7. **Job description: Preparation of environmental catalyst in pilot scale through chemical reaction and process optimization based on performance (laboratory process has been developed and applied for patent) and application of these materials through best designed community-based filtration system to produce drinking water from arsenic contaminated groundwater. Frequent travels are needed to the fields, mostly located in West Bengal. JRF will be responsible for research work, report preparation, publication, and patent application if found suitable. JRF will be encouraged to join Institute PhD program through this project.**

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.

2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator via Email.

- Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
- Experience including research, industrial field and others.
- Self-attested copies of degree/certificate and experience certificate.

3. Candidate shall show the original degree(s)/certificate(s) and experience certificate(s) at the time of online interview for verification.

4. Preference will be given to SC/ST candidates on equal qualifications and experience.

5. Please note that only online interview via Webex platformed will be conducted and link will be send to the candidate well before the time of interview.

The last date for application to be submitted to Principal Investigator is **20/10/2020 by 11 PM**.

The interview will online through Webex platform on **21/10/2020 at 3 PM**.

Tel: 08859773305

Abhijit Maiti 01/10/20

Name and signature of Principal Investigator (Dr. Abhijit Maiti)

Email: abhijit.maiti@pe.iitr.ac.in and abhijit14675@gmail.com

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved
Manish
01/10/2020
कुलशासक (सिरिक) / Dean (SRIC)