



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT194/2022

Job Title

Research Associate

Job Reference Number

50355094

Application End Date

03.10.2022

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Low cost Innovative Technology for water quality monitoring and water resources management for urban and rural water systems in India

About the project: This is a large project grant under the India-EU Water co-operation program Horizon 2020, research work for the design, development and implementation of low cost sensors for water quality, is being undertaken over the last 3 years. The project is at a fairly advanced stage for implementation in the cities of Guwahati and Bangalore.

Essential Qualifications & Experience:

MTech Chemical Engineering / mechanical engineering with 3 years experience

Or

PhD – Chemical Engineering / mechanical engineering

Required skills: following technical skills preferable -

- CFD simulation of multiphase flow in Ansys Fluent
- CFD simulation of fluid and heat transfer module in Ansys Fluent
- Coding Ansys Fluent UDF to incorporate adsorption and desorption phenomenon in LOTUS sensor chip with respect to heating and ultrasound effect

Job Profile:

Key responsibilities:

- Overall project management
- Simulation analysis and experimental validation of LOTUS sensor under ultrasound and elevated temperature conditions
- Attending all the LOTUS meetings and documentation of MoM for Indian project partners

Pay Details:

Consolidated salary Rs.49000/- p.m. + HRA

General information:

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: recruit@ircc.iitb.ac.in