



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT177/2022

Job Title

Project Research Assistant

Job Reference Number

50352588

Application End Date

23.08.2022

Type of Employment

Proj. Staff Contract

No. of Position(s)

2

IITB Project Recruitment:

Project title: Development of a triboelectric separator equipment

About the project: Triboelectric Classification of Minerals:

The triboelectric effect refers to the charges developed when two different materials are separated from one another. The difference in charges developed can be utilised to separate materials by applying an electric field. Most naturally occurring ores are mixtures of several minerals and separating them is usually a challenge. Since minerals gather a unique charge based on its composition, this property can be used to classify the materials by composition. In the project, the phenomenon on triboelectric charging will be studied and based on this understanding a device will be designed for triboelectric classification.

Essential Qualifications & Experience:

BE/BTech/MA/MSc/MCA/MBA or equivalent degree

OR

BA/BSc or equivalent degree with 2 years of relevant experience

We are looking for candidates who are technically sound, enthusiastic and motivated to work in this fast paced project. Candidates holding a bachelors or preferably masters degree in any of the following disciplines are encouraged to apply:

- Physics
- Physical Chemistry
- Chemical engineering,
- Mechanical engineering,
- Physical chemistry,
- Materials engineering, etc.

Pay Details:

Level PR-A3: Salary range from Rs.25200 to Rs 50400 + Rs.5000.00/- Out Of Campus Allowance (if applicable) p.m.

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