



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT023/2024**

## **Job Title**

Sr. Project Technical Assistant

## **Job Reference Number**

50563866

## **Application End Date**

01.03.2024

## **Type of Employment**

Proj. Staff Contract

## **No. of Position(s)**

1

## **IITB Project Recruitment:**

Project title: Polymer Processing Facility

About the project: We are looking for a candidate who can manage and operate the polymer processing facility at IITB. The polymer processing facility at IITB comprises a Haake twin screw (50g) scale extruder with downstream injection molding and equipped with a wide variety of accessories (different dies, etc). There is also a DSM 5g scale twin screw microcompounder with microinjection molding. The selected candidate needs to have hands-on experience with polymer processing so that they can manage these facilities, train users and implement projects, etc. This also requires excellent communication skills (both written and spoken).

## **Essential Qualifications & Experience:**

BE/BTech or equivalent degree in either of Chemical or Mechanical Engineering, Materials Science or Materials Engineering, Polymer Engineering, Plastics Technology

OR

MSc in Polymer Science, or allied fields

OR

BSc in Polymer Science with two years or relevant experience in industrial polymer processing

1. Candidate should preferably have obtained first class throughout academic career
2. Candidate should have hands-on experience on polymer processing equipment, such as single or twin screw extruders, injection moulding or compression moulding machines, blow moulding, film blowing, etc. The candidate must be able to provide evidence of such experience (either proof of good performance in hands-on laboratory modules during degree course, or experience certificates that clearly state hands-on experience).
3. Candidate must preferably have experience with software for modeling polymer processing operations, in the fields of plastics technology or moulding.
4. Candidate must preferably have experience managing a polymer processing facility, including scheduling usage, interacting with non-expert users, maintaining records, etc.
5. Must have excellent communication skills, both written and spoken
6. Must have excellent inter-personal skills as needed in a service provider's role Candidate with relevant experience will be preferred.

## **Job Profile:**

1. Manage the polymer processing facility, that currently comprises laboratory scale twin-screw

Haake polymer processing machine, twin screw DSM microcompounder and microinjection moulder, as well as medium scale single and twin screw extruders and injection moulding.

2. Be fully trained on all polymer processing equipment currently available and plan for expansion.

Responsible for all aspects of daily upkeep of facility.

3. Operate polymer processing equipment for users, including academic users from IITB or other institutions as well as for industry users.

4. Conduct sessions for training users, scheduling usage for IITB users. Conduct sessions to demonstrate use of facilities for potential internal/external users. Develop policies for use, under the guidance of the polymer processing facility management committee (FMC).

5. Responsible for maintenance of equipment, including regular maintenance and coordinating with OEM for repairs and upgradation.

6. Maintain user records and generate usage statistics. Prepare presentations on the facility, including usage, fees generated, etc. as required by FMC. Maintain the facility webpage and user interface, in collaboration with IRCC.

7. Any other work assigned by the FMC.

### ***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](mailto:recruit@ircc.iitb.ac.in)