



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT162/2021**

**Job Title**

Principal Project Associate

**Job Reference Number**

50257681

**Application End Date**

30.09.2021

**Type of Employment**

Proj. Staff Contract

**No. of Position(s)**

2

**IITB Project Recruitment:**

Project title: Multiphysics modelling of grain growth during hot isostatic pressing and during isothermal forging of powder metallurgy nickel based superalloy

About the project: Development and implementation of Kinetic Monte Carlo, Cellular Automaton, Phase field and Finite difference models of microstructural evolution during hot forging and hot isostatic pressing

**Essential Qualifications & Experience:**

(i). Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and

(ii). Eight years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.

OR

(i). Doctoral Degree in Science/ Engineering /Technology/ Pharma / MD / MS from a recognized University or equivalent; and

(ii). Four years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.

Upper Age limit : 40 Years

**Job Profile:**

We are looking for candidates with PhD and experience in modelling of microstructural evolution. Candidates with PhD in science/engineering background and familiarity with materials systems will be preferred.

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