



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT102/2020

Job Title

Project Research Associate

Job Reference Number

50174793

Application End Date

06.10.2020

Type of Employment

Proj. Staff Contract

No. of Position(s)

3

IITB Project Recruitment:

Project title: Low Carbon Scenarios for Indian Industry

About the project: This is a sponsored project in which the objective is to investigate options for reducing the energy intensity and carbon emissions from energy intensive industries like cement, iron and steel, oil refining, aluminium industry, etc. The focus will be on the Indian industry and potential for improvements in it.

Essential Qualifications & Experience:

MTech/ME/MDes or equivalent degree

OR

BTech/BE/MA/MSc/MCA/ MBA or equivalent degree with 2 years relevant experience

Preferable background - Mechanical Engineering, Chemical Engineering, Energy Engineering or Metallurgical Engineering.

A familiarity with modeling and simulation is desirable. This is a time bound industry sponsored project. The project engineer will be responsible for deliverables and reporting on short time frames.

Job Profile:

Develop mass, energy and emissions balances for different processes like cement, iron and steel, etc. Within each sector, alternate process options will be evaluated for their energy and emissions intensity.

- The project is completely simulation or modeling-based. Hence, candidates are expected to have a laptop so that they can start work as soon as possible.
- Candidates staying in Mumbai will be given preference.
- Outstation candidates are also strongly encouraged to apply. However, please note that you will be expected to work from home and hence, you need to ensure a proper connectivity for both electricity and internet so that the work is not hampered. Further, you would also be expected to come to Mumbai once the COVID-19 situation eases and have to stay outside the campus (out of campus allowance will be given, as per rules). We do not provide accommodation on campus currently for project staff.

Pay Details:

Level PR-O1: Consolidated salary range from Rs.33600 to Rs. 67200 + Rs.6250.00/- 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 selection will be a multi-step process as follows:

(i) Screening based on submitted CV which includes consistent record in academics, publications (if any), and GATE score (if available).

(ii) Short-listed candidates will then complete an online test, submit a small presentation of their project work (4 to 5 slides as a power-point presentation) and a short paragraph on their motivation (write-up) to join the project. Candidates are advised to keep the presentation and the write-up ready for uploading, in case they are short-listed.

(iii) Based on the test, write-up and presentation, 10 to 15 applicants will be chosen for interviews, which is the final round of selection. The interviews will be held online.

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