



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT219/2022**

## **Job Title**

Project Research Assistant

## **Job Reference Number**

50362541

## **Application End Date**

14.10.2022

## **Type of Employment**

Proj. Staff Contract

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

2

## **IITB Project Recruitment:**

Project title: Sustainable Energy system for Achieving Novel Carbon neutral Energy communities (SUSTENANCE)

About the project: Sustainable Energy system for Achieving Novel Carbon Neutral Energy Communities (SUSTENANCE) is a field implementation based project with a target of establishing three local clean energy systems in India and three in Europe. Under SUTENANCE project, three sustainable clean local energy systems are planned to be demonstrated at three different locations in India, one each in offgrid location, weak grid connected location, and an urban demonstration site. The three local energy systems will focus on sector coupled energy system including different energy vectors, such as electricity (wind, solar PV, biogas, battery storage), water, electric mobility/transportation, heat, cooking etc.

## **Essential Qualifications & Experience:**

BE/BTech/MA/MSc/MCA/MBA or equivalent degree in electrical/electronic/mechanical/ocean engineering with some relevant experience

Preference will be given to the candidates having hands on experience on microcontrollers, real time digital simulators (Opal-RT, Typhoon HIL, RTDS) and other electrical power related hardware and coding.

## **Job Profile:**

1. The candidate will be required to work on hardware in loop studies involving real time digital simulator with Electric Vehicle charger/battery simulator/solar PV simulator and applicable controllers. The candidate will also be required to work control and operation of EV chargers deployed in the field, primarily at IIT Bombay campus.

2.The candidate will be required to work on design and development of micro wind turbine generator for low wind application.

## **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)