



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT084/2024

Job Title

Project Scientist I

Job Reference Number

50571005

Application End Date

16.04.2024

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: GIS representation and analysis of water-energy-food linkages in grid based irrigation systems.

About the project: Energised irrigation through grid supply is the main form of irrigation in the country. The project objective is to develop an improved and lower cost grid system design that incorporates irrigation requirements. Expected outcomes: Improved network design and update methods for MSEDCL Tools to document field conditions and systems, and conduct analysis on water-energy-food interactions with consideration of local conditions. Open source system for researchers, and to be used as teaching tools.

Essential Qualifications & Experience:

Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent

Job Profile:

Designing the grid structures to be documented in QGIS. Extracting network layers from QGIS, validating, and generating formats for power flow modelling. Representing outcomes from power flow in QGIS. Implementing agro-climatic layers in QGIS to model energy demand. Must know python and QGIS.

Pay Details:

Consolidated salary Rs.56000/- p.m. + HRA

General information:

Age Limit: 35 years

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

