



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT084/2020**

**Job Title**

Research Associate

**Job Reference Number**

50162686

**Application End Date**

22.07.2020

**Type of Employment**

Proj. Staff Contract

**No. of Position(s)**

1

**IITB Project Recruitment:**

Project title: Prediction of coastal zone vulnerability due to sea level rise under the changing climate

About the project: Indian coasts will be more vulnerable under the changing climatic scenarios in the future. The rise in the sea level will aggravate the flooding and damage to the coastal community. It is therefore necessary to carry out a impact study of sea level rise to better assess future hazards to help decision makers regulate land use in coastal areas and develop mitigation strategies.

Thus, the investigation needs to be carried out for east and west coast of India to evaluate the future vulnerability under changing climate.

To this effect, a nonlinear process modelling endeavour using ADCIRC model is proposed to study the combined sea level rise and tidal impact along Indian coast. In addition, coastal zone vulnerability maps will be prepared for future scenarios to help decision makers regulate land use in coastal areas and develop mitigation strategies.

**Essential Qualifications & Experience:**

Ph.D/MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal .

Candidate should have the required degree in Civil/Ocean Engineering/Science field with work experience of numerical modelling and long term data analysis along with statistical competence. Experience on GIS based plotting tool will be an added advantage

**Job Profile:**

Required to carry out the coupled numerical tide-surge modelling and data collection & analysis, preparation of progress report, presentations, and attend review meeting.

**Pay Details:**

Consolidated salary Rs.47000/- p.m. + HRA

***General information:***

The Position is temporary initially 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 their own expenses.

For any queries / clarification please contact : [recruit@ircc.iitb.ac.in](mailto:recruit@ircc.iitb.ac.in)