

RIKA India is Hiring!!!



8th April, 2024

RIKA India is seeking a professional (full time position) with expertise in flood risk modelling- a professional with a blend of technical expertise, analytical capabilities, and domain knowledge. He/she would be willing to work in a multi-disciplinary team with minimal supervision.

TITLE: Project Officer/ Project Manager (Risk Modelling)

LOCATION: Home-based with travel to study area as and when required.

QUALIFICATION AND EXPERIENCE:

- M.Sc/ M.Tech /Ph.D. in Hydrology/ Hydraulics/ Water Science and Engineering/ Disaster Risk Management/ Climate Studies/ Water Resources/ Watershed Management/ Geology/ Earth Sciences/ Civil or Environmental Engineering or relevant discipline from a renowned University/ Institute
- Having 2-5 years of full-time working experience in hydrological and hydrodynamic modelling, flood risk mapping and assessment, integrated river basin management and similar domain
- Proficiency in using hydraulic and hydrological modelling software such as HEC-HMS, SWMM, or similar tools
- Conversant with statistical and geo-spatial tools for undertaking hazard risk assessment
- Prior working experience with government agencies at national and sub-national levels on relevant projects/ assignments will be advantageous

CORE COMPETENCIES:

- Data analysis skills for processing and interpreting hydrological and meteorological data
- Ability to assess flood risks, including floodplain mapping and identification of vulnerable areas
- Knowledge of flood hazard zoning and flood damage estimation
- Ability to simulate river and floodplain hydraulics
- Understanding of climate change impacts on flood risk and adaptation strategies
- Understanding of risk assessment and simulation methodologies and frameworks
- Knowledge of Geographic Information Systems (GIS) software like ArcGIS or QGIS for data analysis
- Familiarity with programming languages like Python, R, or MATLAB for scripting and automation tasks would be a plus.
- Understanding of climate modelling and climate projection datasets
- Understanding of disaster risk management

OTHER SKILLS AND COMPETENCIES:

- Ability and willingness to be flexible in demanding situations and handle multiple priorities
- Effective communication skills, both verbal and written, for conveying complex technical information to diverse stakeholders, including policymakers, engineers, and community members
- Being adaptable and open to incorporating new methodologies and data sources crucial for staying up to date in the field
- Ability to manage projects effectively, including planning, scheduling, and coordinating tasks within budget and timeline constraints

KEY ROLES AND RESPONSIBILITIES:

- Undertaking scenario analysis (past, current and future) to better understand floods and associated risks
- Gauging impact of climate change on flood risks
- Undertaking flood vulnerability and risk assessments
- Developing urban floor risk index
- Undertaking drainage basin planning
- Preparation of GIS based thematic mapping
- Project management
- Proposal and grant writing
- Any other activities as required under specific projects

COMPENSATION: The remuneration will be as per internal policies and in line with market standards based on the experience, competencies and current CTC of the candidate.

Interested candidates to submit their CVs at info@rikaindia.com (with subject line: Application for Project Officer (Risk Modelling) along with a cover letter, relevant writing sample and two references by **15th April, 2024**.

* Candidates currently enrolled in universities/academic institutions are not encouraged to apply.