

Term of References

Individual Consultant – Visiting Faculty – Climate induced Disaster Management for CC Diploma

Background of the Project

The increasing need of quick action on climate change in line with the federal and Khyber Pakhtunkhwa government strategies and to tap potential avenues of climate finance. a donor funded project titled, “Supporting Federal and Provincial Government of Khyber Pakhtunkhwa in Improving Climate Governance” is implementing by the Centre for Water Informatics and Climate Resilience (CWC) at the Institute of Management Sciences, Peshawar in collaboration with the Ministry of Climate Change (MoCC) at the National level and Planning & Developing Department of Khyber Pakhtunkhwa Province. The project is of three pronged including:

- i. Supporting the Institute of Management Sciences (IMS) in developing climate change related curricula and implementation of one-year diploma on climate governance at IMSciences for the relevant government officers and young professionals.
- ii. Supporting the GoKP in establishing a Climate Change Cell at the Planning & Developing Department of Khyber Pakhtunkhwa. The Cell will act as a central hub for provincial government to steer the implementation of climate measures of national and provincial climate change policies.
- iii. Operationalizing the Climate Finance Unit at the MoCC to conduct various activities associated with climate finance, as the Ministry’s role as the National Designated Authority for a number of Climate Finance Facilities.

Job Description

- Utilize expertise in Physical Vulnerability/ structural susceptibility to review curricula and literature on hydrological hazards, emphasizing the intricate relationship between climate change and vulnerabilities.
- Develop tools and methodologies for data collection in climate-induced disasters management, showcasing specialized insights into the physical aspects influenced by climate variations.
- Leverage extensive knowledge in structural susceptibility to design a comprehensive course module in English, incorporating the impact of climate change on physical elements in disaster management.
- Develop captivating Information, Education, and Communication (IEC) materials, highlighting the role of structural susceptibility in addressing climate-induced disasters.
- Participate in dynamic curriculum review committee meetings at Peshawar, offering specialized insights into the physical elements of climate-induced disaster management, drawing from ongoing roles with PDMA.

- Deliver engaging courses on the science of climate change and climate-induced disaster management, with a focus on structural susceptibility, aligning with extensive teaching and practical experience.
- Compile a comprehensive report that seamlessly integrates the pivotal role of Physical Vulnerability/structural susceptibility in the context of climate change, drawing from experience in hazard and vulnerability assessment to inform disaster management plans.
- Identify cutting-edge areas of academic and action research in hydrological hazards/disaster management within the climate change context, emphasizing the contribution of structural susceptibility.
- Facilitate impactful orientation/training sessions on climate change and disaster management, incorporating insights into the impact of climate change on physical resilience.
- Assist the project team in developing compelling communication and business development strategies, showcasing an active role in designing various projects influenced by climate change.
- Support influential advocacy and coordination with government departments, UN agencies, and other humanitarian agencies working on climate change, emphasizing the importance of Physical Vulnerability considerations.
- Leverage unique experience in assessing the physical health of various structures within the changing climate scenario.
- Apply skills in orchestrating impactful seminars and exhibiting exceptional management within the climate change adaptation framework.
- Participate in the in-house meetings and support project team in quarterly reporting.
- Any other task(s) assigned by the Project Manager.

Required Qualification and Experience

- PhD/MS/M.Phil in social sciences, environment sciences, civil engineering, GIS/RS or other relevant fields;
- PhD with minimum five years' experience and MS/M.Phil with minimum ten years' experience, specific in the respective field;
- Climate and hydraulic modelling/mapping background and working experience with academic institutions and development organizations will be preferred;
- Ability to develop curriculum on Climate and Hydraulic Modelling and supervise action/academic researches.
- Proven ability to develop curriculum on climate change and supervise action/academic research, seamlessly integrating insights from Structural Engineering.