



POSITION DESCRIPTION

Updated: June 2012

The **Asian Disaster Preparedness Center (ADPC)** welcomes applications from qualified practitioners and professionals with experience in geological hazard risk reduction interventions to strengthen its professional team attached to Department of Disaster Risk Assessment and Monitoring. Please indicate the professional affiliation and Position Title in the cover letter clearly.

Position Title: Seismologists/Engineering Geologists

Grade / Levels: Technical Specialist/
Project Manager/Project Officer

Department/unit: As per relevant qualification and experience the candidates will be assigned to
Department of Disaster Risk Assessment and Monitoring,

The **Asian Disaster Preparedness Center (ADPC)**, established in 1986, is a regional non-profit foundation with headquarters in Bangkok, Thailand supporting the advancement of safer communities and sustainable development, through implementing programs that reduce the impact of disasters upon countries and communities in Asia and the Pacific. The primary geographical focus of ADPC's activities is Asia with the South, South East and East Asia being the primary sub-regions. In 2005, nine countries, namely Bangladesh, Cambodia, China, India, Nepal, Pakistan, Philippines, Thailand, and Sri Lanka signed a Charter establishing ADPC as an inter-governmental organization.

ADPC has vast experience of 25 years of working in Asia Pacific region along with the national and local Government of its charter member countries as well as countries of the Regional Consultative Committee on Disaster Management (RCC); a regional mechanism established by ADPC in 2000 and comprising of head of national disaster management offices of 26 countries in Asia Pacific. ADPC also shares a close partnership with sub-regional inter-government agencies, such as Association of Southeast Asian Nations (ASEAN), South Asian Association for Regional Cooperation (SAARC), Secretariat for Pacific Community (previously known as SOPAC) on various DRR related themes including capacity building, strengthening institutions and systems, knowledge management and mainstreaming DRR into development. It works closely with a range of UN Agencies including UNDP, UNICEF, UNESCAP, WHO, WMO, UNISDR, UNOCHA, UN-Habitat, etc. on DRR related projects and consulting services. ADPC works with international and local NGOs, national technical and training institutions, Red Cross and Red Crescent Societies. Further details on ADPC and Programs can be found at www.adpc.net

ADPC aims at supporting governments strengthen institutions and build capacity for mainstreaming DRR into socio development processes at all levels. The primary focus of ADPC is to assist national and sub-national Governments in Asia to build capacity to respond to, prepare for and mitigate the natural disaster risk and adaptation to climate change. It includes building Institutional and Legal systems in reducing risk due to natural disasters and adapting to climate change, Assessment of Risk; undertaking risk reduction programs and programs for adaptation to climate change, Hazard specific mainstreaming of DRR & CCA into development etc. Accordingly ADPC is comprised of several thematically organized operational departments such as Department on Safer Development Planning and Implementation, Department on Climate Change and Climate Change Adaptation, Department on Resilient Cities and Urban Risk Management, Department on Disaster Risk Management Systems, Department of Public Health in Emergencies, Department of Disaster Risk Assessment and Monitoring, Training Services Unit. With over 100 staff from 19 countries and with professionals with expertise in development planning, engineering, architecture, agriculture, social sciences, health science climate sciences and disaster risk reduction, ADPC has been involved for years in strengthening partnerships between nodal agencies on disaster risk management (DRM) and national agencies of water resource, agriculture, meteorology & hydrology, geology, physical planning, development planning & financing etc and other sectors for effective integration and institutionalization of DRR in development planning processes.

Duties and Responsibilities:

- Analyze relevant subject specific science based information to create geological hazard(earthquakes, tsunami, liquefaction, landslides etc), specific decision support products for utilization by stakeholders at all levels (community, city/local government, Provincial and National governments) including sector specific stakeholders (urban development, natural resources and Env. Management etc)
- Analyze geological hazard, vulnerability and risk and potential impacts to different sectors (agriculture, water resources, urban development and infrastructure, natural resources and Env. Management, etc) based on subject specific information in order to design appropriate disaster risk reduction interventions to suit all levels(community, city/local government, Provincial and National governments).
- Experience in undertaking site investigations(geological/geo-physical/geo-technical) and ability to interpret sub-surface data for micro-zonation studies
- Generate / prepare advance hazard specific warnings (for landslides, tsunami, etc) and dissemination of relevant information to specific stakeholders at all levels
- Develop strategies for geological hazard risk reduction and identification of risk management opportunities to address residual risk within different eco-systems to minimize socio-economic effects on lives, livelihoods, food security, economic assets and infrastructure
- Package scientific and technical information in assessing geological hazard risk, risk communication and gap analysis
- Analyze socio-economic and physical vulnerabilities to geological hazard risk environment (earthquakes, tsunami, liquefaction, landslides etc), utilizing results from research on historical impacts, current coping strategies and policy and institutional landscape, and changing socio-economic conditions (population growth, urbanization, economic growth, consumption trends, environmental degradation, etc.)
- Provide resource inputs in development and delivery of training & capacity building programs on the subject to enable user institutions and communities to translate geological hazard risk information and apply decision support tools for DRR
- Advocate for the integration of geological hazard risk reduction information in development planning process and mainstreaming.
- Assisting in developing strategic approach to achieving program goals and sustainability of the geological hazard risk reduction programs undertaken by ADPC
- Assistance in increasing the program outreach through development of new programmes, engagement in advocacy, assistance in fund mobilization, enhancement of existing partnerships and development of new partnership to increase the outreach.
- Other duties and responsibilities as assigned by the Executive Director (ADPC)or Director // Department Heads/

Supervisor(s): Director/Department Head Department of Disaster Risk Assessment and Monitoring

Required Qualifications / Selection Criteria:**Qualifications and experience:**

- PhD or master's degree in one or more subjects such as Engineering Geology/Geotechnical Engineering, Seismology, Geo-physics, or other related fields
- At least 5-10 years experience in application of science-based information into Interventions designed to reduce the physical & socio-economic impacts to communities and vulnerability of relevant sectors
- Experience in seismic micro-zonation studies, landslide hazard zonation, geological hazard risk assessment, and generation of related information
- Experience in design, implementation and management of projects related to geological hazard risk

reduction

- Experience in training and capacity building
- Extensive work experience in developing user-needs for geological hazard risk reduction , analyzing vulnerability and impacts and communicating / disseminating the information

Training skills and knowledge

- Demonstrated knowledge and understanding of subject specific information generation and applications in geological hazard risk reduction
- Demonstrated knowledge and understanding on impacts of geological hazard risk on societal systems
- Demonstrated knowledge and understanding of geological hazard specific information application, translation / interpretation and dissemination to all levels including sector specific stakeholders
- Excellent English proficiency in oral and written communication, including a demonstrated track record in technical report writing and ability to communicate technical matters effectively to general audience

Personal Qualities

- Self-motivated, pro-active and takes initiative
- Demonstrated ability and plan and organize work and time independently
- Excellent interpersonal skills, team-oriented work style, and experience in working in a multi-cultural environment
- Strong desire to learn, undertake new challenges, must a creative problem-solver, must have self confidence, willingness to work hard, good sense of humor but with seriousness about the quality and excellence of work.

Contract

One (1) year contract with possibility of extension