



National Disaster Risk Management Fund
(A company set up under section 42 of the Companies Act 2017)
Making Pakistan Resilient

TEMPORARY VACANCIES ANNOUNCEMENT

National Disaster Risk Management Fund (NDRMF) is a government-owned not-for-profit company, established under Section 42 of the Companies Act 2017. It provides grant financing for projects that contribute to enhancing Pakistan's resilience to climatic and other natural hazards and to strengthen the government's ability to quickly respond to disasters triggered by natural hazards.

NDRMF requires the services of a contingent staff for following Islamabad based position on 06 months' contract with possibility of further extension:

S #	Position	Required Qualification & Experience (TORs available on website www.ndrmf.pk "Career Section")
1.	GIS Developer / Modeling Expert - NatCat Risk Modeling (National) (One position –06 Months, possibility of further extension)	Qualification: BS/MS in Geoinformatics, Computer Science, GIS Development & programming or related fields. Experience: At least five (05) years of experience with minimum three (03) landmark national and international projects of similar nature. Expert in developing intuitive user interfaces and interactive visualizations for the dashboard using WebGIS technologies, such as JavaScript libraries (e.g., Node, Leaflet, OpenLayers), mapping third-party APIs (e.g., Google Maps API), and data visualization tools (e.g., D3.js, Chart.js). Expertise in linking appropriate AI technologies, frameworks like React, Angular, or Vue.js., and platforms like Google Earth Engine to meet the NatCat requirements and scalability needs. Demonstrated skills for developing the front end components and backend libraries of the NatCat dashboard, while ensuring responsiveness and cross-browser compatibility. Expertise in implementing features for data querying, filtering, geo processing, charting, and custom map displays. Expert in automation of data preparation procedures though linking external databases, models, streams, etc. Proficient in establishing private/public cloud computing/virtualization (including ownership responsibilities and security implications) and the use of tools and systems to manage virtualized environments. Experience in deploying OGC web services and related open technologies like Geoserver, PostGIS/Postgres, Tiling, and Dockerization. Expert in developing and accessing APIs, i.e. linking third-party APIs for NatCat utilization and developing NatCat APIs to be utilized by external organizations. Expertise in developing custom plugins, extensions, or APIs to seamlessly integrate AI-based functionalities with NatCat.

2.	<p align="center">GIS Expert – NatCat Data Center</p> <p align="center">(One position –06 Months, possibility of further extension)</p>	<p>Qualification: BS/MS in Geoinformatics, GIS & Remote Sensing, Data Science or related fields.</p> <p>Experience: At least five (05) years of experience with minimum three (03) year experience in landmark national and international projects of similar nature. Proficiency in integrating heterogeneous datasets from multiple sources and formats, including vector data (e.g., shapefiles, GeoJSON) and raster data (e.g., satellite imagery, elevation models) from international data hubs and open data repositories. Understanding of spatial DBMSs (e.g., PostGIS, Oracle Spatial) and data interoperability standards (e.g., OGC standards) and experience with data transformation, conversion, and harmonization is essential. Expertise in designing GIS database schemas, schema transformations, optimize query performance, generating metadata, and manage large volumes of spatial data efficiently. Strong analytical skills for performing spatial analysis, geo processing, and spatial statistics using open-source GIS software (e.g., QGIS, GRASS) and programming libraries (e.g., GDAL, Geo Pandas). Ability to derive meaningful insights from spatial data and apply geospatial analysis techniques to solve complex problems. Proficiency in data visualization techniques and tools for creating maps, charts, and interactive visualizations to communicate spatial data effectively. Experience with visualization libraries (e.g., D3.js, Leaflet, Mapbox) and designing user-friendly interfaces for exploring and interacting with spatial data and models. Understanding of open data principles, licensing terms, and policies governing the sharing and use of open geospatial data. Working experience with open data initiatives such as OpenStreetMap (OSM), Copernicus Open Access Hub, and government data portals. Proficiency in programming languages commonly used in GIS and data management, such as Python, R, SQL, and JavaScript. Ability to develop custom scripts, automation workflows, and web services for data processing, analysis, and dissemination.</p>
3.	<p align="center">Senior System & Network Administrator - IT Expert NatCat Data Center</p> <p align="center">(One position –06 Months, possibility of further extension)</p>	<p>Qualification: BS/Master’s degree in computer science, information technology, electrical engineering, or a related field.</p> <p>Experience: Master’s degree or certifications in relevant areas such as network engineering, systems administration, or cybersecurity may be preferred. Relevant certifications of Windows/Linux/VMware/Cisco will be preferred. Minimum 05 year’s hands-on experience with Windows and Linux Systems, network designing and implementation, and VMware technologies. Previous experience working in data center operations, IT infrastructure management, or related roles is highly desirable. Experience with cloud computing platforms (e.g., AWS, Azure, Google Cloud) and hybrid cloud deployments is beneficial. Proficiency in server administration, including operating systems such as Linux, Windows Server, and virtualization platforms like VMware or Hyper-V. Experience with storage management technologies, such as SANs, NAS, RAID configurations, and data deduplication. Familiarity with backup and disaster recovery solutions, including backup software, tape libraries, replication, and snapshot technologies. Understanding of security principles, best practices, and tools for securing data center infrastructure, including firewalls, IDS/IPS, VPNs, and endpoint security solutions. Experience of deploying different cyber security tools and knowledge of information security standards, frameworks and policy implementation.</p>

Terms & Conditions:

- (i) Interested candidates MUST apply ONLINE using an Application Form, available at “www.ndrmf.pk “Career Section” by entering the required credentials on the online application form and attaching scanned copies of their CV, CNIC, educational & experience certificates, latest by 20th May, 2024 before closing of office hours i.e. 1700 hours. No need to send hardcopy of CV and documents.
- (ii) Only shortlisted candidates will be contacted for further evaluation and interviews.
- (iii) All candidates must have Higher Education Commission Verified/Equivalent Qualifications. Foreign qualified candidates must submit equivalence certificate(s) from Higher Education Commission. A selected candidate shall be required to submit HEC Verified Degree(s) before entering into employment, upon selection.
- (iv) (NDRMF is an equal opportunity employer and encourages applications from qualified individuals regardless of gender, age, disability status.
- (v) NDRMF has the right to defer or cancel the recruitment process of any position(s), at any stage, without

assigning any reason.

HEAD OF HUMAN RESOURCES

National Disaster Risk Management Fund
05th Floor, EOBI House, Service Road South, G-10 Mauve Area, Sector G-10/4, Islamabad
Website: www.ndrmf.pk Tel: 051-9108300