



Term of Reference of GIS Expert (short Term task) Job Description

GIS Expert (individuals or institutions) who will focus exclusively on the Development of Geo information of the Databank Department that serves the National Water Information System (GEO-NWIS). The Expert (individuals or institutions) will assist Databank department to Develop response and prioritization of requests for map products and services published on GEO-NWIS, building and maintaining data models and conducting due diligence. By performing the below task and responsibility:-

- Build and Develop response and prioritization of requests for online map products and services published on GEO-NWIS;
- Manage the development, quality control and reproduction of products in appropriate formats for clients for The GEO-NWIS.
- Perform GIS manipulations and analysis like overlays and conversion of data format conversions, digital ortho-photography, GPS collection/post-processing/projection, and data reconciliation.
- Generate and update the GIS metadata, which allows estimations to be made on completeness, history, ownership, and reliability of information derived from project>
- Build Geo Services on WIS servers to link NWIS and GEO-NWIS (ArcGIS Server) based on Data Bank Department orientation and needs.
- Design, produce, and print maps and other graphic products using the GEO-NWIS and other computer software programs.
- Design new maps and services or update existing ones using information contained within GIS and WIS databases.
- Linking WIS tabular data through GIS services (update, data entry, retrieving)
- Advocate data and mapping standards;
- Identify, gather and incorporate external datasets into the GEO-NWIS data repository;
- Maintain and expand the data repository and related metadata base;
- Develop linkage and Data exchange tools between NWIS and GEO-NWIS using tablet based application.

STATE OF PALESTINE

WATER AUTHORITY



دولة فلسطين
سلطة المياه

- Submit monthly progress reports and closely coordinate GIS activities of the task with related staff.
- Reporting to Director of Data Bank Department
- Any other task assigned by PWA and / or required to enhance GEO-NWIS.

Qualification

- BA in any related field
- Knowledge of a variety of methods for describing the location and distribution of land, sea, and air masses. This also includes their physical locations, relationships, and characteristics.
- ability to solve problems using the appropriate GIS tools
- Understanding of the concepts behind data management in a relational database.
- Knowledge of technical design applications like ArcGIS server and ESRI extensions, AutoCAD, Adobe Illustrator, Microsoft SQL server.
- Proven Experience in Building online GIS services on ArcGIS server 4 Years at least.
- Teamwork, strong organizational and communication skills.