



## Donor Funded Staffing Program

<b>TOR No:</b>	
<b>Title:</b>	<b>Mid-Career Professional</b>
<b>Grade:</b>	<b>GF</b>
<b>Division/VPU:</b>	GWAGP
<b>Duty Location:</b>	Washington, DC
<b>Appointment Type and Duration:</b>	Two-year Term Appointment

### **BACKGROUND**

- The WB’s Water Global Practice (GP) is mandated to ensure that water issues are effectively addressed in all related sub-sectors, such as agriculture (ensuring sustainable water availability for irrigation), disaster risk management, energy (hydropower), and water supply & sanitation (rural and urban, assisting utilities on efficiency and financial sustainability; targeting the poor). In each sub sector an integrated approach is adopted which considers investment alongside issues such as governance, institutions and policies. The WB is today the largest external source of financing for water supply and sanitation (WSS) projects, while also carrying a large and growing portfolio in irrigation and water resource management (WRM).
- The World Bank is the largest external source of financing for water supply and sanitation projects, and also has a large and growing portfolio in irrigation and water resource management. The Water GP supervises a portfolio of over US\$ 20 billion and another US\$ 7.1 billion of water-related operations are managed by other GPs. The Water GP also manages a large program of analytical and technical assistance activities.
- Water resources planning and management is a critical element for sustainable growth and poverty reduction for most of the World Bank’s borrowers. Dams are important contributors to the development of many countries. They improve and expand power generation, irrigation, and domestic and industrial water supplies, and provide security against droughts and protection from floods. The Bank portfolio of lending and non-lending for projects that include dams is large and growing; there are over 100 projects with a significant dam component. Because there are serious consequences if a dam does not function properly or fails, the Bank is concerned about the safety of new dams it finances and existing dams on which a Bank-financed project is directly dependent.
- One of the Bank Safeguard Policies, OP4.37 “Safety of Dams,” is specifically related to dams. While this policy will be superseded by the new Environmental and Social Framework by the end of 2018, the new framework contains the same key provisions and commitments to the safety of dams. The Bank’s technical support on dam safety is led by a Lead Dam Specialist, who reports to the Practice Manager for Water Global Programs in the Water Global Practice, and works closely with the Global Lead for Hydropower and Dams – jointly appointed by the Energy and Water practices. The Dam Safety Specialist would join this team, and would provide operational support

on dam safety with guidance from the Lead Dam Specialist, in particular for Francophone countries in Africa and with lesser extent in Latin America.

## **DUTIES AND RESPONSIBILITIES**

The Water GP is seeking a highly qualified and motivated individual to serve as a Dam Safety Specialist. The principal responsibilities of the Dam Safety Specialist would include:

- Serving as a task team's technical resource on dam safety policy issues, in particular helping teams interpret and implement the policy in their project, as well as liaising with the project's expert panels on their findings related to dam safety.
- Providing direct technical support to task teams across all regions, in particular for Francophone countries, and multiple GPs to prepare and supervise high quality dam related projects.
- This will particularly involve reviewing dams' feasibility study, detailed design, technical specification of bidding document, construction supervision and other technical reports as well as discussing technical issues with clients, designers, contractors, etc.
- While technical support will always have a dam safety dimension, the Dam Safety Specialist would also be expected to help team's address other technical dam issues as appropriate.
- Contributing to regular training sessions on dam safety for operational staff.
- Contributing to knowledge management / sharing activities related to dam safety and other key tasks of the GSG for Hydropower and Dams.

Since site visits to many projects will be required, this position will require a significant amount of international travel, in particular for Francophone African countries.

## **SELECTION CRITERIA**

- An advanced degree (MS, PhD) in civil engineering and at least 8 years of hands-on experience in planning, designing, and construction supervision of dams for different purposes (hydropower, water supply, irrigation, navigation, environment, multipurpose).
- Proven expertise in key disciplines associated with dams, such as rock mechanics and geotechnical engineering, hydrology, hydraulics, structural engineering, system control and management (instrumentation and monitoring).
- Knowledge of FIDIC conditions of contract and /or WB procurement guidelines is desirable.
- Demonstrated ability to work as a team member for providing integrated and innovative approaches to resolving complex technical issues.
- Excellent interpersonal, problem-solving, and team skills, and the ability to work across boundaries,
- Ability to function effectively in a multi-cultural environment, building and sustaining partnerships with clients and colleagues.
- Willingness and ability to regularly conduct site visits, including visits to remote areas.
- Knowledge of basic computer skills for the preparation of documents.
- Strong written and spoken English language communications skills are required; fluency in French and Spanish languages is essential and Portuguese languages is desirable.