



Job Profile

Position: Regional Water & Sanitation Engineer
Employee Type: Full Time- Contract
Supervisor: Deputy Regional Vice President
Department: Programs

POSITION PURPOSE:

Provide technical advice and support to the country offices in the design, construction, maintenance of water and sanitation infrastructures to ensure their compliance to our quality standards and their sustainability. Participate and/or lead occasionally the global technical working group of Water & Sanitation Engineers of the organization.

DIMENSIONS:

Direct Reports	0
Travel	Up to 40% travel
Budget Management	0

JOB REQUIREMENTS:

EDUCATION/EXPERIENCE	<ul style="list-style-type: none"> • University Degree in Civil with specialized courses in Hydraulics or in Water Engineering OR in Water Supply and Sanitation Engineering, Hydraulic Engineering, Water Resource or Environmental Engineering, Civil Engineering, or a directly related field. • Minimum of seven years' experience working in the design and construction of water and sanitation infrastructures and other civil work at a managerial level • Basic experience and or training in construction management, capacity building and use of computerized design tools.
BUSINESS COMPETENCIES & GENERAL SKILLS	
<ul style="list-style-type: none"> • Strong communication and negotiation skills • Able to work well as a team and lead a team effectively • Experience in preparing and controlling budgets • Experience in composing informative technical documents 	<ul style="list-style-type: none"> • Experience in working with multi-disciplinary team and multi-purpose equipment • Experience in preparing diagnostic and feasibility reports of clean water, and sanitation projects • Able to use Microsoft Office products • Knowledge and experience in GIS/GPS and AutoCAD and locating projects using Google Maps, and appropriate technology determination. • Advanced English reading, writing, and speaking skills. Knowledge of other languages e.g., French is an added advantage

AREAS OF RESPONSIBILITY

- Supports the Implementation of the Global Strategy regarding Water Supply Development solutions in the country offices to better serve the people lacking WASH Services.
- Supports all the qualified personnel to deliver Water Supply solutions in the countries of the region

- Supports the recruitment process for engineering and technical lead staff for the Country offices
- Responsible for regional review of the designs and construction of the water and sanitation systems to ensure compliance to quality standards and country specific engineering requirements.
- Supports the preparation of estimates and terms of reference for the professional services and company contracts for the water and sanitation infrastructures in the various countries
- Responsible for quality control of all infrastructure designs and project elements while ensuring compliance of the same to the Quality Standards for Programs and donor requirements.
- Review all operation and maintenance manuals of the water systems for all country offices
- Perform the regional rate analysis with their respective blocks of consumption for each all project within the region
- Ensure that country engineering teams keep accurate and detailed records of project infrastructure matters (designs, costs, reports, infrastructure certifications, etc.)
- Develop list of appropriate water and sanitation infrastructure designs that country offices can choose from and review their application to ensure compliance with relevant standards, procedures, and codes
- Prepare quarterly reports of regional activity developments. In addition, provide other specific reports that are required by the region and Global office.
- Ensures the CO follow all government procedures in relation to design, construction, maintenance, and sustainability of all regional projects within the region.
- Provide technical input/ review of water and sanitation infrastructures component in the WPA designs, evaluations, and country reviews to ensure compliance with set quality standards
- Contribute to LWI Learning Agenda – Incubate /prototype WASH technological options, research, and prototype adaptations of technologies in liaison with TWG and Program impact.
- Support countries implement environmental stewardship actions (environmental safety in drilling, water safety planning, among others) as per LWI environmental sustainability guidelines.
- Build the capacity of technical staff in the CO on technology choices, related engineering, and construction management.
- Serve as a member and occasionally lead the Water Supply technical working group (TWG)
- Collaborate with other departments within the organization in delivering WASH services in accordance to set sector and LWI Quality standards.
- Participate in LWI global and regional initiatives such as strategy development, country reviews, trainings, and meetings.
- Monitor and document WATSAN construction best practices that have been proven to work in different regional contexts and that are efficient for LWI objectives and advise the organization accordingly.
- Lead and guide innovation within WATSAN developments in the region.
- Keep up to date with changing WATSAN technological trends in the sector and how they influence LWI's work.
- Support the region in developing and implementing key strategic water supply related developments including:
 - Watershed management, environmental protection practices
 - Users' inclusivity in water supply constructions
- Evaluate, review and revise project documents, and analyze design specifications included in project proposals for accuracy, soundness, feasibility, and cost.
- Provide guidance on safety and risk reduction in water supply constructions.