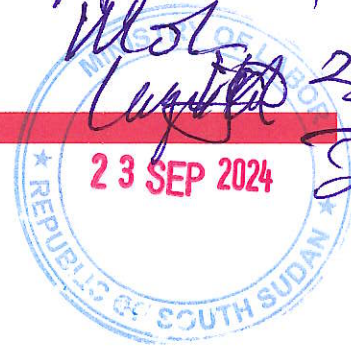


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TERMS OF REFERENCE

Position: Hydrologist
Locations: One position (Juba)
Length of contract: 6 months
Application start: 23/09/2024
Application end: 10/10/2024

OVERVIEW OF CTG GLOBAL

CTG staff and support humanitarian projects in fragile and conflict-affected countries around the world, providing a rapid and cost-effective service for development and humanitarian missions. With past performance in 17 countries – from the Middle East, Africa, Europe, and Asia, we have placed more than 20,000 staff all over the world since operations began in 2006.

CTG recruits, deploys and manages the right people with the right skills to implement humanitarian and development projects, from cleaners to obstetricians, and mechanics to infection specialists, we're skilled in emergency response to crises such as the Ebola outbreak in West Africa. Key to successful project delivery is the ability to mobilise at speed; CTG can source and deploy anyone, anywhere, in less than 2 weeks and have done so in 48 hours on a number of occasions.

Through our efficient and agile HR, logistical and operational services, CTG saves multilateral organisations time and money. We handle all our clients' HR related issues, so they are free to focus on their core services.

Visit www.ctg.org to find out more

OVERVIEW OF THE POSITION

Hydrologists are involved in the monitoring, management & protection of water & water resources in commercial, environmental & academic settings. They ensure the effective flow of water through channels & pipes for the engineering & control of water provision. Their work contributes to the efficient planning, development & sustainable use of natural & domestic water resources, ensuring water is supplied in the most cost-effective manner.

Role Objectives

Working in close collaboration with engineering unit in development of infrastructure to support logistics operations, the incumbent Hydrologist will undertake the following:

- Specifically undertake hydrological assessment to assess the most effective methods of managing available water in a particular area in consideration of infrastructure development such as roads, warehouses, ports etc.
- Analyse the effect of environmental changes on water flow likely to impact infrastructure projects.



- Study the effects on flows brought about by changes in land use, such as afforestation or crop irrigation & climatic conditions.
- Plan responses to specific weather conditions, such as droughts, floods & assess the impacts of such events on water catchments & supplies in relation to infrastructure projects such as river cleaning, dykes construction, ports construction.
- Undertake condition assessment for clearing river ways to support logistics river operations.
- Undertake hydrological modelling where necessary to allow the development of flood forecasting & drought management strategy.
- Assist in the planning of water resource development by forecasting & monitoring water usage & rainfall patterns.
- Estimate water yields, taking into account the utilisation of water in a specific natural drainage area (catchment) which are likely to affect infrastructure projects such as dykes, roads, ports, waterways, etc.
- Assess the relationship between rainfall, run off, soil & rock features for the catchment.
- Assist the logistics & engineering units with enquiries from external bodies & individuals, such as water regulators, consultants & researchers.
- Liaise with specialists, consultants, like minded agencies & clients on water related issues likely to impact on infrastructure projects.
- Oversee data collection on site by hydrometrics, rain gauge & other project staff.
- Supervise the collection, processing & evaluation of data for water resource planning & flood management in relation to infrastructure development.
- Apply hydrological & statistical techniques to water resource modelling & analysis to provide informed decision.
- Keep up to date with new research & techniques in all areas of hydrology.
- Archived all hydrologic data.

Reporting

This role reports to the line manager.

Key Competencies

- Degree / Advanced Diploma in courses that cover elements of hydrology with at least 3 relevant years of experiencing in hydrological related fields.
- Civil & environmental engineering ecology.
- Environmental management.
- Environmental sciences.
- Geography (with a physical science base).
- Geology.
- Soil science.

Team management

- This role has no team management responsibility.

Further Information

- Qualified female candidates are encouraged to apply for this role.





In order to apply for this role please send your CV and Cover letter most preferably by email to the address: southsudan@ctg.org

Please make sure the **subject of your email states "Hydrologist"** or your application might be overlooked, please share your CV and cover letter as one document, a cover letter is mandatory.

In Juba – Please deliver you application to CTG office in Rock city.

IMPORTANT REQUEST

- Please note to name your CV by name e.g., "Mary Deo- CV" or "CV- John Smith"
- Kindly avoid naming CV as CV, Updated CV, by Job tittle or organization name
- For hard copy deliveries kindly include position applied for on the envelope.

