

TERMS OF REFERENCE

Position: Field Engineer
Duty station: Field based - Wau, Leer, Maban, Renk, Baliaet, or Fashoda
Application start: 30/04/2021
Application end: 19/05/2021
Length of the contract: 6 months

**OVERVIEW OF CTG GLOBAL**

CTG support and manage humanitarian projects in fragile and conflict-affected countries around the world. With past performance in 15 countries – from the Middle East, Africa, Europe, Asia and Central and South America – we offer a holistic fabric of project management, implementation and support. Skilled in emergency response to crises such as the Ebola outbreak in West Africa, we can act quickly (crisis response teams can be on the ground in 24 hours) and to establish structured operations in high-risk environments. CTG recruit and manage qualified, skilled teams with extensive experience operating in challenging conditions.

OVERVIEW OF THE POSITION

Under the direct supervision of the Senior Field Engineer, and the overall supervision of the ECRP Programme Manager, Project Officer (Technical Infrastructure) and Field Coordinators, the successful candidate will support the infrastructure construction for the Enhancing Community Resilience and Local Governance Project (ECRP).

GENERAL FUNCTIONS**Organizational Context and Scope:**

The construction activities are developed based on a community participatory approach with an emphasis on local ownership of the projects. The construction locations will mostly be in remote field locations and frequent travel is expected to monitor multiple sites. The ECRP community infrastructure types include:

- Water Supply: drilling and rehabilitation of boreholes, installation of hand pumps, construction of shallow wells and installation of water storage tanks
- Sanitation: construction of new or rehabilitation of existing Ventilated Improved Pit (VIP) latrines at primary schools, health centres and community markets.
- Stormwater Management: rehabilitation of flood protection infrastructure such as dikes (soil embankments), overland flow discharge drainage channels and building roof gutters
- Roads and Culverts: local feeder roads, repairs and improvements to existing gravel pavements, slopes and drainage structures, and culverts
- Primary Health Care Centres: Construction, renovation or extension of primary health care centres or units, infrastructure for incineration or storage of non-hazardous and hazardous medical waste
- Primary Schools: Construction, renovation or extension of buildings with water supply and sanitation work
- Other community infrastructure: market buildings, livestock sheds, and other needs identified by the community

Responsibilities and Accountabilities

- Support the implementation of ECRP infrastructure activities in accordance with the Standard Operating Procedures, project manuals and templates
- Provide technical support with design review and modifications to suit field conditions
- Monitor and control construction operations, in coordination with the Field Coordinator



- Assist in preparing technical documents with the Senior Field Engineer including scope of works, drawings, Bill of Quantities (BoQ), and cost estimates
- Conduct technical assessments to assess the feasibility of community requested infrastructure projects and identify appropriate designs and options based on the local availability of skills and materials
- Monitor project implementation by undertaking regular visits to the areas of operation, checking that materials and tools meet quality requirements, and labour is properly utilized in compliance with the contract specifications.
- Prepare construction inspection reports including measurement and quantity calculations, daily labour usage, photos, documentation of change variances, and progress reports
- Ensure that Health, Safety, Security and Environment (HSSE) plans are being followed with regular inspection and reporting using the HSSE forms
- Provide capacity building to the Boma Development Committees in supervising construction works at an appropriate level of responsibility to encourage local ownership in the project
- Liaise closely with engineering team and maintain cooperation and communication with local community development committees and government officials
- Coordinate closely with the ECRP community engagement and conflict analyst teams to ensure community participation in infrastructure activities, avoiding conflict and supporting Operation & Maintenance capacity building activities as relevant.
- Abide by the principles of a respectful work environment free of harassment and retaliation, and that promotes the prevention of sexual exploitation and abuse (PSEA).
- Perform such other duties as may be assigned.

ESSENTIAL EXPERIENCE

Education:

- Bachelor's Degree in Civil Engineering, Architecture or other relevant discipline from a recognized institution is required
- Master's Degree in a relevant discipline is an asset

Work experience:

- Minimum 4 years of relevant professional experience in engineering or construction management of infrastructure projects
- Experience with managing contractors is required
- Ability to understand civil and architectural drawings, and enforce compliance on site is required
- Ability to understand and implement electrical or mechanical work is an asset
- Experience with construction in remote field locations is an asset
- Computer literacy in Microsoft Outlook, Word and Excel required, additional skills in CAD, GIS and data collection software is desirable
- Experience with community participatory approaches including community focus group discussions, and cash for work or cash voucher incentive models is highly desirable

Languages:

- Fluency in reading, writing and speaking English is required
- Fluency in Arabic and local languages is desirable

Key competencies:

- Knowledgeable in single storey buildings and linear infrastructure construction together with Water, Sanitation and Hygiene (WASH) principles
- Ability to work independently with sound decision making skills
- Excellent oral and written communication skills



Other relevant information:

→ Please provide in addition to your CV and Cover letter a Supplementary Page that clearly states:

The years of experience you have in:

1. Design of engineering infrastructure:
2. Supervision of engineering infrastructure:
3. Preparing Cost Estimates and BoQs for engineering infrastructure:

The years of experience you have with each discipline:

- a. Structural Engineering:
- b. Architectural:
- c. Water, Sanitation and Hygiene:
- d. Roads and Culverts:
- e. Electrical/Mechanical:
- f. Geotechnical:

Qualified female candidates are encouraged to apply for this role.

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

Please make sure **the subject of your email states "Field Engineer"**, or your application might be overlooked
In Juba – Please deliver to WFP Workshop, next to Imatong gas Jebel, Suk mamuru

IMPORTANT REQUEST

- Kindly avoid naming your CV as *CV*, *Updated CV*, or by Job title or organization name
- For hard copy deliveries kindly include position applied for on the envelope.

