



JOB TITLE: Construction Engineer and Supervisor

Job Description

Purpose of the role

Day to day management of the sand dam construction process, including site management, ensuring all materials are on site so dam construction can progress smoothly, and technical supervision during the dam build ensuring the dam is built to a high standard and is built to design.

The sand dam construction supervisor must be willing to attend sand dam training outside Tanzania and receive training from a team of sand dam experts from East Africa.

Responsibilities

Pre- construction

- Supervising the community members to collect the required local materials ahead of dam construction (Rocks and sand)
- Preparation of the dam site, including construction of a material store, and arranging suitable security for the materials
- Ensuring all materials (cement, steel bars, barbed wire etc) are on site ahead of dam construction
- Ensuring there is a plan for collecting water for cement mixing during dam construction
- Lay out the dam site in line with the dam design

- Supervising the excavation of the foundations, ensuring they are fully excavated to bedrock
- Ensure suitable accommodation and food arrangements are in place for the sand dam technical team during dam construction

Construction

- Overall responsibility for ensuring the dam is built to design and all construction principles are followed
- Technical lead during dam construction (once training complete)
- Act as the main contact and support for the external technical team during construction and training
- Supervision of all community members and unskilled labour on site
- Supervision of skilled artisans on site
- Responsibility for Health and Safety on site
- Monitoring and record keeping of all materials used, including number of bags of cement mixed per day
- Providing regular updates to the sand dam Project Manager, and partner's team, including photographs of progress

Post construction

- Ensuring all post construction activities are completed, including the dam site is left clean and tidy, any left-over materials are transferred to safe storage, and the dam is cured for 28 days
- Submission of dam reports, detailing final size of dam, and total materials used, including number of bags of cement.

Skills and Qualifications

- Relevant Bachelor's degree in Agricultural engineering, Irrigation engineering
- Minimum of 3 years work experience
- Experience with construction of irrigation schemes and rural water infrastructure

SAT is an equal opportunity employer and encourages all qualified candidates to apply, irrespective of gender, nationality, religious and ethnic backgrounds. In person applications or phonecalls will lead to automatic disqualification.

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