

## Terms of Reference

### Position Title: RISE Site Engineer / Quantity Surveyor

Program: Revitalising Informal Settlements and their Environments (RISE)

Reporting to: (1<sup>st</sup>) RISE Makassar Construction Manager (2<sup>nd</sup>) RISE Makassar Project Manager (3<sup>rd</sup>)

RISE Project Manager (based in Melbourne)

Strong working relations to: RISE Program Manager, RISE In-country Coordinator, Objective 1 team

Duty Station: Makassar, Indonesia

Duration: 18 months, extendable based on performance (3 months probation)

Number of posts: 3 posts

### Background:

Revitalising Informal Settlements and their Environments (RISE) is deploying a novel, water-sensitive revitalisation approach to water and sanitation management in 24 informal settlements across Makassar, Indonesia and Suva, Fiji.

Working with communities, governments, local leaders and partner institutions, RISE is co-designing location-specific solutions that integrate green infrastructure, such as constructed wetlands, to strengthen the whole-of-life water and sanitation cycle.

Underpinned by the emerging discipline of 'planetary health', RISE success will be measured by the health and well-being of residents – particularly children under five years of age – and the ecological diversity of the surrounding environment.

RISE is currently seeking a *Site Engineer* to add to our growing team in Makassar, Indonesia.

### The Role:

The *Site Engineer* (3 positions available) will work under direct supervision of the Site Construction Manager, and closely with a team of community facilitators, to oversee the work of the contractor on a day-to-day basis, undertake quantity and material quality surveys according SNI specification, ensure quality of construction in line with DED construction, and alignment with community expectations.

The site engineer will be responsible for overseeing contractors and ensuring works are being carried out efficiently according to the S curve scheduling proposed by the contractor, safely and to the required standard.

Works include small scale earthworks, flood protection structures, green infrastructure (i.e. wetlands, biofilters) and sanitation systems including pressure sewer and private toilets.

### Key responsibilities:

#### 1) Civil construction management

- Undertake quantity surveying work, measure and compute completion/quantities of Works and materials (as applicable), which have been accepted and approved;
- Support the management of construction activities across multiple sites in relation to construction

supervision

- Undertake quality inspections and assess works in accordance with technical specifications, local standards and regulations
- Monitor social and environmental safeguards and ensure health and safety of all personnel onsite, document all grievances in accordance with the Grievance Redress Mechanism
- Support the documentation of construction activities and outputs in line with donor and government requirements

#### **Detailed Duties**

- Support the Construction Manager to:
  - Examine and provide recommendation on the contractor's facilities, to ensure that these facilities conform to the agreed contract documents;
  - Assess and provide recommendation on the adequacy of materials, equipment and labors provided by the contractor, the contractor's methods of work, and rate of progress
  - Conduct or commission independent testing of materials and construction works to verify the results of the contractor's own tests or to test materials not tested by the contractor;
  - Provide general guidance to the contractor as may be necessary to ensure that the Works are carried out in accordance with the schedule and within the terms of the contract;
  - Inspect all working areas and installations during the execution of the Works, with particular attention to the health & safety of both the project personnel and the general public, and ensure that traffic management measures are properly implemented;
  - Check the contractor's setting out of the works with particular regard to gravity pipeline slopes as designed (or provide a technical recommendation if there are non-conformities in the field and DED; in case of wastewater conveyance works) and waterproofing of the pressure sewer;
  - Measure and compute completion/quantities of Works and materials (as applicable), which have been accepted and approved, and examine and certify the Engineer's payment requests;
  - Advise the Project Team on any detrimental environmental impacts of the Works and make recommendations to mitigate them;

#### **2) Coordinating with project team members and stakeholders**

- Coordinate closely with RISE Makassar Community Facilitators to oversee construction and community engagement
- Coordinate the timely flow of information between the project team and the contractor
- Provide an Integrity Pact on the quality of work, criminal acts of corruption, cooperating with any party that benefits oneself and or benefit others, performs omissions that can benefit others.

#### **3) Other activities**

- Support the community engagement and grievance redress processes
- Support to results-based monitoring and evaluation efforts

#### **Key result areas:**

1. Timely and cost-effective achievement of all project **activities and outputs**.
2. Effective technical advice and oversight, including quality and safety assurance.

#### **Required qualifications and experience:**

- 5 years' experience working in the construction industry
- Experience in water and sanitation projects would be preferred
- Degree qualification in engineering/construction
- Technical and financial management ability
- Experience collaborating with project teams, local government and relevant intuitions at both local and national level
- Familiarity with community-based development and participatory design processes an added advantage.
- Fluent in oral and written English is an advantage

### **How to apply**

These are Makassar based positions with remuneration to suit experience offered.

Please send your cover letter and CV only, not later than 14th July 2021 and quoting the job title on the subject line, email to: [Fitriyanty.RISE@gmail.com](mailto:Fitriyanty.RISE@gmail.com)