

## TERMS OF REFERENCE

### FOR EMERGENCY (SURGE) MISSION

**Title:** Water and Habitat Engineer  
**Reports to:** Head of Office (Red Line) / WatHab Engineer (Blue Line), in Mount Hagen  
**Duration:** Two months deployment  
**Location:** Mount Hagen, Western Highland Province, PAPUA NEW GUINEA

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### BACKGROUND

The Highlands in Papua New Guinea (PNG) experienced a 7.5 magnitude earthquake on 26th February 2018, affecting the road network, water sources, caused landslides, destroyed homes and food gardens, damaged and destroyed health facilities and schools. The epicenter was in Hela Province, in Komo District. The impact of this earthquake caused significant damage to civilian infrastructure and the delivery of basic services in 5 provinces, including Hela and Southern Highland Province, areas that continue to suffer the brunt of tribal conflicts. Priority needs identified include access to food, water, shelter and health services.

Since the earthquake, displaced households have been living in clans within the care centres (health facility, schools, churches and airfields), often with restricted movement and access to available services due to fear of their tribal enemies. Traditional sources of water have been interrupted. There are reports that in many areas people have been collecting water from creeks, which have been affected by landslide and debris, making water unsafe. With no access to safe and clean water, water-borne disease outbreaks are most likely to occur. Reports of IDP communities with diarrhoea have been collected by ICRC during distributions.

Many health facilities have been damaged or destroyed. In the ICRC's priority zones in Hela and Southern Highland provinces, 32% of all health facilities are closed. Of those that are open, 70% were damaged (according to preliminary assessments - not all done by ICRC Teams).

Electric power supply has been interrupted in many places and officials started to repair the damaged main lines. Due to financial constraints and difficulties to access the damaged sections, situation is expected to be back to normal in several months. The need of installation of solar lighting in health and educational centers remains crucial.

The ICRC, remaining one of the few organizations in the area that has the capacity, expertise, resources, local knowledge and adequate security management to deliver assistance, has been responding with EcoSec, WatHab and Health programs in the affected areas in Hela and Southern Highland Province.

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### PURPOSE

The incoming mobile WatHab Engineer will replace the current resident Engineer/Team leader on loan from the ICRC Bangkok Delegation in Mount Hagen, who has been providing essential support to the two ICRC teams working in the two provinces of Hela and Southern Highlands, almost non-stop.

As a priority, he/she will assist the field teams in the successful implementation of ongoing projects listed below, within the timeframe of the earthquake response which is planned to phase out in 2 months' time:

- Installation of solar emergency kit (including Doppler system) in the Maternal Child Health (MCH) building in Hela Province;
- Reconnection/repair of water and sanitary system in the Maternal Child Health (MCH) building in Hela Province;
- Rehabilitation of water and sanitary systems, including installation of solar systems, in Koroba Secondary School in Hela Province;

- Rehabilitation of water supply system and repair of water tanks in five sites in the Southern Highlands province;
  - Installation of rainwater harvesting systems for IDP population in the Southern Highlands province;
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## **MAIN RESPONSIBILITIES AND TASKS**

- Provide technical support to the 2 ICRC WatHab teams working in the two provinces of Hela and the Southern Highlands in the completion of ongoing WatHab interventions;
  - Follow the WatHab program's execution according to ICRC procedures and guidelines;
  - Perform field visits and inspections to ensure adequate quality output;
  - Assist field teams with logistics and administrative matters related to the projects (*stock, requisition orders, contracts, etc.*);
  - Ensure financial management and compliance of the department with ICRC standards and guidelines;
  - Supervise project's expenditures and ensuring the compliance with the budget;
  - Maintain contact with interlocutors / authorities at local level;
  - Produce corresponding and comprehensive reports to document activities and progress, according to internal procedures (*WPA, MoM, technical reports, project documents, etc.*);
  - Participate in coordination meetings with other departments involved in the response;
  - Be aware of activities of other departments and provide them necessary support;
  - Understand and apply Delegation's objectives and activities;
  - Understand and respect security rules and maintain awareness of the security situation;
  - Support HoO in collecting necessary-required data and statistics;
  - Ensure confidentiality of information received, when required;
  - Keep the department's file up to date.
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## **PROFILE, QUALIFICATIONS AND COMPETENCIES**

One mobile WatHab Engineer is required for the position with following profile:

- Architecture/Engineering background, preferably with experience in project management and water-supply management in humanitarian emergencies;
  - Rigour and meticulousness in the gathering and analysing of information;
  - Results oriented and innovative;
  - General management skills ;
  - Strong planning and organisational skills and ability to manage multiple projects with demanding deadlines;
  - Strong communication skills;
  - Flexible, able to adapt his/her working modality to the changing environment;
  - Able to create a positive working environment;
  - Rigour and meticulousness in gathering and analysing information;
  - Follows ICRC security rules and procedures;
  - Field experience with other humanitarian organization an asset
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## **LENGTH OF THE MISSION**

- 2 months' mission, with BoM June 1<sup>st</sup>, 2018