



Issued on 13<sup>th</sup> March 2020

## REQUEST FOR APPLICATIONS

# TERMS OF REFERENCE (TOR) FOR REFINING ENGINEERING DRAWINGS AND DESIGN OF SANITATION AND HANDWASHING FACILITIES IN 5 SELECTED PRIMARY SCHOOLS OF MUFINDI DISTRICT

People's Development's Forum (PDF) is a fast growing institution registered under the Non-Governmental Organization Act, 2002 of the Laws of Tanzania in the Ministry of Health, Community Development, Gender, Elderly and Children in 2010 with registration number **00000/00004302**.

### 1. VISION

A responsible, just and economically empowered society

### 2. MISSION

To identify and address root causes of the problems facing marginalized communities through strategic approach and methodologies.

### 3. BACKGROUND ABOUT USAFI WA MAZINGIRA/ZUIA CORONA MUFINDI PROJECT

According to TDHS 2015-2016, 61% of Tanzanian Households have access to safe water sources. In the same report, 10% of HH practice open defecation while 55% have unimproved latrine facilities. Only 15% HH have access to improved latrines. However, disparities have been observed between Urban, rural and Zanzibar. Open defecation rates are highest in Zanzibar at 17%, Mainland rural at 13% and 2% at mainland urban. In addition, Mainland rural is leading with unimproved household latrines at 73%, 21% at Mainland urban while Zanzibar has the lowest rate at 11%. In the Tanzania National Nutrition Survey (TNNS) (2018) report indicated that 2.7% HH reported using soap for washing hands at two critical times. According to the new 2018 UNICEF-WHO classification, the level of stunting considered "very high" (30%) in 15 out of 26 regions in Mainland Tanzania. Iringa region reported 47.1% of U5 children stunted. A report by NUT survey

data indicates that, 5 in 10 children under the age of five are estimated to be stunted also underweight. These conditions all have severe consequences for survival, for morbidity, and for the ability of children, economies and societies to thrive.

Open defecation and use of unimproved latrines is a health concern within the community posing not only environmental contamination risks but also contribute to increased WASH-related diseases such as cholera, dysentery, diarrhea and intestinal worms, under nutrition and Disability Adjusted Life Years (DALYs) loss. As per the TDHS 2011-16, 12% of U5 reported incidences of diarrhea. On the same note, chronic exposure to ingesting of fecal matter has demonstrated to lead to environmental enteropathy which results to stunting as a consequent (Checkley et al,2008; Chambers and Von Medeazza, 2017). Available data estimate that 40-60% of childhood malnutrition is attributed to poor WASH resulting in diarrhea and intestinal parasites. Recent data suggest that diarrhoea may only be the ‘tip of the iceberg’ with non-diarrhoea faecally transmitted infections referred to as Environmental Enteropathy (EE) having greater adverse effects on children’s nutritional status than diarrhea (Pruss-Ustun, Annette and N.C. Corvalan (2006). EE can help explain why purely nutritional interventions have not been effective in improving stunting in contexts of overcrowding and poor WASH. Children who suffer from stunted growth often grow into adults with physical limitations, high susceptibility to communicable and non-communicable diseases, and low cognitive capabilities that hinder employment opportunities (World Bank Group 2011). The role of WASH, in particular, in improving nutritional outcomes has received greater attention in recent years. In order to improve stunting, the recent Lancet series recommends WASH interventions as one of several interventions (Bhutta et al, 2013).

**The Usafi wa Mazingira Mufindi /Epuka Corona Project** strive to enable households construct and use improved sanitation and hygiene facilities as a mechanism to achieve the human right to water and sanitation ratified on 28 July 2010, through Resolution 64/292, the United Nations General Assembly explicitly recognized the human right to water and sanitation and acknowledged that clean drinking water and sanitation are essential to the realization of all human rights. The same is in line with National priorities and Policies. Specifically, the project supports The Government of Tanzania (GoT) to achieve its sector targets equally to meeting SDGs set to ensure availability and sustainable management of water and sanitation for all, achieve universal and equitable access to safe and affordable drinking water as well as access to adequate and equitable sanitation and hygiene for all, and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations. The project facilitates attainment of targets, goals and aspirations of the National Development Vision 2025; WSDPII, Water Supply and Sanitation Act (2009), Public Health Act, 2009 and National Water Policy (2002) which among others envisions universal access to water supply and improved sanitation and hygiene services by 2030 as per the SDG’s to which the United Republic of Tanzania is a signatory. Stunting reduction is a national priority hence the Accelerated Stunting Reduction Programme in being implemented nationwide led by the Government of Tanzania and this project supports it accordingly.

#### 4. SCOPE OF SERVICE

- PDF is inviting qualified engineers to apply for providing services that including reviewing existing drawings and design sanitation and hand washing facilities in 5 primary schools of Mufindi District.
- This assignment shall be completed in a maximum of 30 working days from the time of contract signing.

## 5. DELIVERABLES

The following deliverables are expected;

- Technical drawings of Sanitation and hand washing facilities for 5 primary schools of Mufindi District council.
- Model Bills of Quantities for construction of designed infrastructures.

## 6. QUALIFICATION REQUIREMENTS

### **Qualifications Required**

- Registered Engineer with over 3 years' experience in the design and construction of sanitation and hand washing facilities in schools.

## 7. HOW TO APPLY:

Interested engineers should submit detailed CV, evidence of registration with professional body, price/budget and work plan for undertaking this activity. Applications should be sent in electronic format through [info@pdftz.org](mailto:info@pdftz.org) by 1<sup>st</sup> April 2020 at 4pm. Quotation should be accompanied with a list of previous clients served or similar works done.