

# **TERMS OF REFERENCE**

(CONSULTING SERVICES – INDIVIDUAL CONSULTANT)

## **MULTINATIONAL: TANZANIA / BURUNDI / DR CONGO JOINT STANDARD GAUGE RAILWAY PROJECT PHASE II (TANZANIA / BURUNDI SECTION) CONSTRUCTION OF UVINZA – MUSONGATI STANDARD GAUGE RAILWAY SECTION**

### **“CONSULTING SERVICES FOR RAILWAY SIGNALING AND TELECOMMUNICATIONS EXPERT”**

COUNTRIES: UNITED REPUBLIC OF TANZANIA AND REPUBLIC OF BURUNDI

SECTOR: TRANSPORT

FINANCIER: AFRICAN DEVELOPMENT BANK (AfDB)

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## **1. BACKGROUND**

The Governments of the United Republic of Tanzania and the Republic of Burundi have secured financing from the African Development Bank (AfDB) toward the implementation of the Multinational Tanzania / Burundi / DR Congo Joint Standard Gauge Railway (SGR) Project Phase II (Tanzania – Burundi Section: Uvinza – Musongati). This railway section is a branch-off of the Dar es Salaam – Kigoma SGR corridor.

A portion of the AfDB financing will be allocated to the Design and Build contract for the Standard Gauge Railway (SGR), as well as for consulting services, including the recruitment of individual consultants to support the Client’s Project Implementation Unit (PIU).

The scope of works under this project includes the design and construction of approximately 240 route-kilometers of mainline railway and 60 kilometers of sidings and passing loops. The electrified Standard Gauge Railway (SGR) line will extend from Uvinza (Tanzania), branching off from the Tabora – Kigoma SGR line, crossing the Malagarasi River at the international border, and terminating at Musongati (Burundi).

## **2. OBJECTIVE OF THE ASSIGNMENT**

The objective of this assignment is to engage an Individual Consultant to serve as the Railway Signaling and Telecommunications Expert within the Client’s Project

Implementation Unit (PIU), which will be contractually referred to as the Project Coordination Team (PCT).

### **3. SCOPE OF SERVICES**

Under this assignment, the Railway Signaling and Telecommunications Expert reports to the Project Manager and will be responsible for the following key tasks:

- a) Oversees the installation of signaling and telecommunications systems that complies with UIC standards;
- b) Ensure interoperability of signaling systems across the Tanzania and Burundi sections of the railway;
- c) Supervise the installation and testing of all signaling and telecommunications equipment;
- d) Develop emergency communication protocols for cross-border operations; and
- e) Provide technical support and training to operation centers in both countries.

### **4. QUALIFICATIONS AND EXPERIENCE**

Eligible individual consultants must demonstrate the following qualifications and experience:

- a) A Bachelor's degree in Electrical Engineering, Electronics, or Telecommunications. A Master's degree in a relevant field will be considered an added advantage.
- b) A minimum of ten (10) years of experience in railway signaling and telecommunications.
- c) Proven experience in modern signaling and telecommunication systems within railway operations.

### **5. REMUNERATION AND BENEFITS**

- a) The salary for this position is tax-free.

- b) The contract does not include medical and housing coverage; therefore, the consultant will be responsible for their own medical insurance and accommodation arrangements.
- c) Transport to the project site will be provided as per the project's logistical arrangements.