



**REPUBLIC OF KENYA
MINISTRY OF HEALTH**

**EAST AFRICA'S CENTRE OF EXCELLENCE FOR SKILLS AND TERTIARY
EDUCATION IN BIOMEDICAL SCIENCES – THE EAKI PROJECT**

LOAN No: **2100150031997**

PROJECT ID No: **P – Z1 – IBO – 23**

TENDER No: **MOH/ EAKIP/ EOI/ 002/ 2018 – 2019**

**PROCUREMENT OF AN INDIVIDUAL CONSULTANT FOR DEVELOPMENT OF A
NEPHROLOGY AND UROLOGY HEALTH INFORMATION SYSTEM**

TERMS OF REFERENCE

SEPTEMBER 2018

TERMS OF REFERENCE (TOR's) FOR THE DEVELOPMENT OF NEPHROLOGY AND UROLOGY HEALTH INFORMATION SYSTEM

1.0 INTRODUCTION

The African Development Bank is supporting development of Centres of Excellence (COEs) in the five East African countries which will focus on training, research and service delivery. The COEs are;-

1. Kenya: East African Kidney Institute
2. Uganda: Cancer Institute
3. Tanzania : Heart Institute
4. Rwanda; Biomedical Engineering and e-Health
5. Burundi: Nutrition sciences

Chronic kidney diseases are emerging as a major non-communicable disease in the region. The cost of renal replacement therapy is high and consumes a significant proportion of budget for countries in the region. Many patients in the region seek for specialized services such as kidney transplants in foreign countries. Hence there is need to reduce the dependency of the countries on services from outside region.

The East African Kidney Institute (EAKI) is a centre of excellence being developed for nephrology and urology and related disciplines. It is expected to develop skilled manpower in this field for the region as well as provide specialized services.

The Ministry of Health working with the University of Nairobi has been spear heading the development of the East African Kidney Institute as a COE targeting training, research and service delivery across the East African region. To be able to efficiently monitor progress and establish the burden of the renal diseases in Kenya and ultimately in the region, there is need to establish a renal registry. There has been an increase of renal related admissions including transplants especially at Kenyatta National Hospital, public health facilities and also in a number of private institutions offering dialysis services. Of note however, there is paucity of data due to a lack of a centralized point of data aggregation or collection. To this end, a Health information system on renal and urology issues is required for providing data to support policy and decision making as well as for monitoring and evaluation. A robust health information system will collect a defined set of health and demographic data from patients with a particular nephrology or urology condition. Such data are held in a central database and may include information on longitudinal follow-up and outcomes. The proposed HIS system would enable generation of reports on the prevalence,

incidence and causes of AKI, ESRD in patients on RRT and information on treatments and outcomes.

2.0 Objectives

The overall objective of this consultancy is to facilitate the establishment of an integrated nephrology and urology health information system in Kenya, with flexibility to integrate regional data.

3.0 Scope

1. To conduct a stakeholders (researchers and policy makers) mapping of nephrology and urology data users within the country.
2. To establish already existing data and data points for urology and nephrology within the country and International best practices in similar eRegistries/ information systems
3. To facilitate at least two (2) stakeholders meetings to discuss on the overall direction of the proposed registry.
4. To facilitate dialogue with the other Centres of Excellence projects in Tanzania, Uganda, Rwanda and the EAC to establish current data collection practices, use and gaps with regards to nephrology and urology. Establish scope for future integration of the e-Registry
5. Determine the data needs for the information system and the required parameters to design a functional eRegistry/information system, including the estimated costs
6. To develop data collection tools for the identified and agreed upon data variables in nephrology and urology.
7. To develop clear costed implementation and governance framework for the nephrology and urology health information system/eRegistry for research.
8. To develop a manuscript about the development of the HIS in nephrology and urology research in Kenya

4.0 Deliverables

1. Kenya landscaping report submitted to the Project Manager, EACE. Contents to include but not limited to; mapping of stakeholders, mapping of thematic research areas, current practices in data collection and use for nephrology and urology, current data gaps, best practices in similar systems/registries, key data variables/indicators for the system.
2. A costed implementation plan for development of the nephrology and urology health information management system in Kenya; the work plan should include a detailed systems specifications and requirements (software and hardware). This information shall be used for the procurement of a firm to establish the registry.
3. Appropriate data collection tools based on the agreed upon research activities developed on the Redcap platform.

4. Submission of the report for each of the stakeholder meeting to the Project Manager within 48 hours of the meeting.
5. A publishable implementation research paper.

5.0 Qualifications

1. The successful candidate should have a background academic qualification in health related discipline and a postgraduate degree in a health related field preferably in Epidemiology.
2. He/ She should have demonstrable skills and experience in
 - I. Implementation research
 - II. Training of trainers
 - III. Development of data collection tools in the Redcap platform
 - IV. Managing stakeholder meetings
 - V. Having carried out quality of care assessment in the Kenyan health system
3. Have developed at least three peer reviewed publications in implementation research
4. Have experience of at least 7 years in health research.

6.0 Duration of the consultancy

The assignment will be for a total duration of 4 months inclusive of consultative meetings and any validation workshops that may be done.

7.0 Supervision and Reporting

The consultant will submit all documents to the Project Manager of East African Centre of Excellence Project. He/ She will submit an inception report within 14 days after signing of the contract detailing the workplan and methodology of carrying out the work.

8.0 Payment

The successful candidate shall be paid a competitive, negotiated and agreed monthly salary commensurate with qualification and the available budget in accordance with the project financing provisions.