

Concept Note

1. Title of Proposed Project

Ethiopian Urban Management Information System Establishment

2. Organization

Ministry of Urban Development and Housing, Federal Democratic Republic of Ethiopia

3. Project Background

Accurate data and its proper use will enable government entities at federal, regional and cities levels to design appropriate policies and strategies, monitor their implementations, evaluate their impacts, and review their development framework and implementation tools. Making available integrated urban information on many aspects of public service delivery entities at federal, regional and cities levels will improve transparency and accountability, facilitate investment and enhance public engagement. In the Ministry of Urban Development and Housing sector, large amount of spatial and non-spatial data is generated, which needs to be properly managed and analyzed for the achievement of the central goals of the sector. In doing so, the development and implementation of Integrated Information and Communication Technology Infrastructures is vital in the sector to manage big, real-time and cross-thematic data collection, processing, integration and sharing through inter-operable services deployed in a cloud environment.

However, the absence of reliable and integrated ICT infrastructures and urban-related information is preventing decision makers and service providers from predicting trends and concomitantly from providing up to date information for such changes and developments. In recognition of the ramifications of this limitation in the long term, and in the face of rapid urbanization, the development of Integrated Information and Communication Technology Infrastructures in the Urban Development and Housing sector becomes the focus of this project.

4. Project Description

This project describes the need for the development of Integrated Information and Communication Technology Infrastructures for the creation of cities which use Information Technology for the realization of good living and working environment. In addition, the project focuses on development and implementation of secured and integrated network infrastructure which support virtualization and clouding at federal, regional and cities level that is capable of hosting integrated database applications and citizen's e-service application. The establishment of such Urban Management Information System, however, requires to better understanding the gaps in the existing



infrastructures and existing communication systems at federal, regional and cities level of the sector.

Thus, the overall objective of the project is to undertake a feasibility study that would help to develop Integrated Information and Communication Technology Infrastructures for Urban Development and Housing sector for the purpose of the collection, storing, organizing, and disseminating of comprehensive urban data and information to better serve the government entities of the sector. In the feasibility study, the major pillars, which are network infrastructures, data management, and services applications, will be the focus area of the project. Based on the feasibility study, the expected Ethiopian Urban Management Information System Development Master Plan will be designed.

5. Priority of Project

The proposed Ethiopian Cities MIS project is expected to include the following major components to be implemented with integrated manner in the Urban Development and Housing sectors. These are stated as follows according to their priority: 1) A detail feasibility study and design of EUMIS 2) Develop integrated network infrastructure at national level, 3) establish integrated urban database management systems and 4) E-service applications for citizens.

6. Expected Outcomes of Project

The followings are expected outcomes of the project:

- ✓ A detail feasibility study on the Ethiopian Urban Management Information system that will provide a framework and design to establish an integrated ICT supported information system.
- ✓ The implementation of integrated ICT infrastructures promote efficient & effective government, facilitate more accessible government services, allow greater public access to information; and make government more accountable and transparent to citizens.
- ✓ The development of Urban MIS project opens up new opportunities for sharing urban data and information vertically within the Urban Development and Housing sectors, and across the sectors horizontally with stakeholders.
- ✓ The implementation of integrated ICT Infrastructures enables to ensure the security of urban data and information during generation, collection, organization, communication and storage at different levels of the sector
- ✓ The redesigned system will improve the administration of Urban Housing data, and create reliable and timely updated information for decision making purposes.



7. Expectations on Korean Experts

- Technical support in conducting the feasibility study and designing the project
- Engage Ethiopian counterpart experts in the process
- Knowledge and Experience sharing is expected (during implementation support)

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