Dhaka Smart City Development Project (funded by BMDF)

<u>Terms of Reference for Dhaka North City Corporation for International ICT Consultant</u>

A. Background

Bangladesh is one of the most populous as well as one of the most densely populated countries in the world. About 28% of its 150 million people live in the urban areas of the country. Urban governance remains a key challenge to harness Bangladesh's growth and poverty reduction. In response to the urban governance challenges, the Seventh Five Year Plan (SFYP) of the Government of Bangladesh lays out the government priorities to address human service delivery deficiencies and to further reduce urban poverty.

The government, through the Local Government Engineering Department (LGED) and Bangladesh Municipal Development Fund (BMDF) is implementing the Municipal Governance and Services Project (MGSP). The project aims to improve municipal governance and basic urban services in participating urban local bodies (ULBs), and improve the recipient's capacity to respond promptly and effectively to an eligible crisis or emergency. The project has four components:

- Component 1 (Municipal Governance and Basic Urban Services Improvement) aims to provide financial support to 26 pre-identified ULBs, which have high economic growth and job creation potential, and are located along the three growth corridors and three district towns in the southern part of Bangladesh.
- Component 2 aims to provide demand-based sub-credits to eligible ULBs for basic urban services improvement investment costs, at an 80:20 grant to loan ratio.
- Component 3 provides capacity building and technical assistance to GOB and ULBs and project implementation support to the Project Management Units of the project.
- Component 4 will support any GoB request for assistance to respond to adverse natural or man-made disasters.
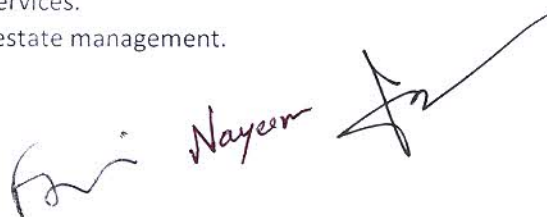
B. The BMDF Component

The BMDF component provides financing to urban local bodies (ULBs) through a mix of loans and grants for improvement of basic urban services. Financing is based on borrowing capacity and financial performance of ULBs as well as subproject appraisal. This component also assists ULBs in capacity building and developing and implementing sub-projects consistent with BMDF requirements; and support the development of a road map for the future sustainable operations of BMDF, improvement of appraisal procedures and operations, and capacity building for its staff. The total cost of this component is $155 million,of which around $58 million (37%) has already been committed.

C. Smart City Project

Upon the requests from DNCC and the Ministries of Local Government and Finance and Planning Commission, components for "Smart City" projects have been developed, with the support of the World Bank Group, to improve urban governance and service delivery with ICT and smart city solutions as an enabler. These smart city components have been approved by the Dhaka North City Corporation to be supported by a project funded by the BMDF.

The priority areas for the smart city projects that have been selected are:

1. GIS base map development.
2. Linkage and revision of GIS base map with taxation.
3. Trade license services.
4. Inventory and estate management.

D. SCOPE OF WORK

The International ICT consultant will be responsible for supporting the Dhaka North City Corporation throughout the entire preparation, implementation, and closing process of smart city projects. The main coverage of work is expected to focus on:

➢ GIS base map development.
➢ Linkage and revision of GIS base map with taxation.
➢ Trade license services.
➢ Inventory and estate management.

The international ICT consultant is expected to work closely with the local ICT consultant and project director.

Specifically, the international ICT consultant is expected to carry out the following tasks, according to the following conditions:

a. Location of work: Remotely and on-site (based on discussions with DNCC)
b. General areas of support: Support for ICT activities for the Dhaka North City Corporation for each relevant phases of the ICT projects
c. Support for Tender Preparation Phase:
   - Support drafting of project proposal for BMDF approval, including support for project review workshop and discussions
   - Prepare necessary bidding documents according to BMDF criteria
d. Support for Tender Selection Phase:
   - Review of technical review, including cost, schedule, staffing
   - Requirements review based on tender documents
e. Support for Project Implementation Phase
   - Administrative project management
   - Output review, and quality management
   - Technical architecture review
   - Requirements review
   - suggest institutional capacity building
f. Support for Project closing
   - Support for user acceptance testing
   - Confirmation of system implementation completion according to bid documents

E. DURATION OF EMPLOYMENT

The consultant will be employed initially for 3 man months over an 18-month period, with possible extension at the request of the Project Director. (Project missions are expected to be based on a lump-sum basis, with initial mission schedule to be aligned with key project milestones)

F. QUALIFICATIONS AND EXPERIENCE

The Consultant should have the following minimum qualifications and experience:

a. Master's degree or equivalent in computer engineering, computer science, information technology, geographic information, ICT technologies. Additional work experience in the above areas are preferred.
b. A minimum of 12 years of experience in the area of ICT including 2 years international experience. In particular, experience with GIS project, government project planning, project procurement (drafting tender/bidding document), project execution and project audit/assessment is preferred.
c. A minimum 8 years of spatial database management, system analysis and design experience in the area of GIS/ ICTs and/or e-Government.

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d. Excellent knowledge of Geographical Information Systems with specific working experience with holding taxation necessary. Experience with e-government, urban planning with municipal service delivery system and smart city project for public organization is preferred.

e. Good knowledge in project related to inventory & estate management and trade license services.

f. Excellent knowledge of the international procurement practices for ICT project is preferred.

g. Excellent communication and writing skills in English

h. Strong leadership, communication, and stakeholder management skills required

G. REPORTING AND DELIVERABLES

The Consultant will work closely with the relevant stakeholders of the BMDF projects. The consultant is expected to submit period reports to relevant stakeholders based on key milestones of project.

Reporting	Deliverables
1. Milestone based reporting - Project bid document drafting - Selection of contractor(review of technical specifications) - Initiation of project - Interim report - Project close	1. Development of relevant document formats (including bid documents) 2. Summary of activities(report) 3. Activities in implementation phase 4. Lessons learned and recommendations 5. BMDF procurement support(principles, guidelines, necessary document, etc.)