

## **TERMS OF REFERENCE**

*Local Consultant for carrying out census mapping exercise using geospatial technology and use of GIS in census data dissemination*

### **Purpose of consultancy:**

Maldives Bureau of Statistics (MBS) has completed Census 2022 successfully using GIS maps and geo referring the locations.

However, work remains in updating the GIS maps-based data gathered from field, finalising the maps for future surveys and field work and as well integrating census data into GIS for dissemination.

Hence, MBS is seeking a local consultant to continue assisting the country team to carry out the remaining activities for the successful implementation of GIS in mapping and using GIS as a tool for data dissemination.

### **Scope and diversity of assignment:**

The Consultant is expected to work closely with the country team in achieving the following deliverables:

#### **Specific milestones:**

1. Provide technical support to MBS staff to update the maps used in the GIS using the data collected from census
2. Provide guidance to MBS staff in creating the features recommended in the consultancy report such as the road layer.
3. Provide guidance to MBS staff in the creation of unique identifiers needed by some layers.
4. Provide guidance to MBS staff in the digitising and populating the GIS with any historical maps MBS requires such as census blocks of the previous censuses.
5. Assist the MBS to determine the GIS training needs for their staff.
6. Assist the MBS to convert plot line features to polygons.
7. Assist and train MBS in disseminating census results using GIS maps for different localities.
8. Assist MBS in sharing all GIS maps prepared at island level on MBS website in a user-friendly format.
9. Assist MBS in strengthening its future GIS capacity by assisting the team to seek donor assistance and projects for strengthening GIS.

#### **Output:**

- GIS maps updated based on data collected from field
- Finalising the maps with necessary layers and features for publishing on MBS website
- Integrating census data into GIS and prepare the necessary maps for data dissemination
- MBS staff capacity built in using GIS for data dissemination

#### **Duration and working schedule:**

5 months for the period April – Aug 2022

- Flexible working arrangement – this includes working closely with the team and providing remote support as well.

#### **Place where services are to be delivered:**

The consultancy will be undertaken in close coordination with the Maldives Bureau of Statistics. Consultant should be available for meetings during official hours when required.

The consultant is expected to have face to face interaction with the team when required.



**Monitoring and progress control, including reporting requirements, periodicity format and deadline:**

The Consultant will be briefed and debriefed by Maldives Bureau of Statistics and is expected to keep in close contact via email/ phone.

The Consultant will be responsible for the quality and timeliness of the outputs, but will receive support from Maldives Bureau of Statistics.

**Supervisory arrangements:**

The consultancy will be managed by UNFPA Country Office/ NBS, the output will be assessed by the National Bureau of Statistics/MLSA and UNFPA

**Required expertise, qualifications and competencies, including language requirements:**

**1. Primary expertise required:**

GIS with GIS implementation experience in working with other countries.

**2. Educational background:**

Bachelors Degree in Statistics or other related areas to GIS

**3. Work experience:**

- Significant experience in conducting training in geospatial tools
- Integration of statistics data and geospatial information
- Experience in working on small island nations population and GIS management.
- Past experience working with the United Nations, World Bank or similar organization is desirable

**4. Other competencies:**

- Project planning, management, implementation and coordination and evaluation
- Excellent report writing skills, analytical skills as well as good computer skills
- Excellent communication skills in English language, both oral and written
- Proficiency in statistical soft wares such as STATA, SPSS, etc

**Basis of payment:**

Monthly fee of 25,000/- will be paid to the consultant.

