

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Ministry of Agriculture and Animal Welfare

Male', Republic of Maldives



Ministry of Agriculture and Animal Welfare

Terms of Reference for Consulting Services

for

Hydroponic Fertigation Refresher Training Consultant

Ref No: MAP/CS/2024/15

Submission Date: 30th June 2024

- 5.3. Deliver information on factors affecting crop produce, factors that can improve or optimize growth, impact on growth due to its disturbances and ways of enhancing produce when growing in hydroponic systems in greenhouse.
- 5.4. Provide information on the importance of pH and EC/TDS (Electrical conductivity/Total dissolved Salt) when growing in media systems, measuring pH, pH and EC ranges for different crops at different stages, ways of adjusting pH and EC to gain the best yield during production.
- 5.5. Carry out training on measuring light intensity and rain fall using lux meter and rain gauge respectively when growing plants in greenhouse and how these data can be useful in the growth of plants.
- 5.6. Observe the current process of growing plants in the MAP greenhouses along with the data which has been collected from the trials and suggest any changes/improvements to maximize yield.
- 5.7. Provide technical guidance and supervise the growth of one crop cycle for a selected crop in one of the greenhouses according to the suggested changes/improvements.
- 5.8. Prepare the contents, presentations, handouts for the mentioned trainings and share them with the Project Director ahead of the trainings.
- 5.9. Report to the Project Director as agreed upon reporting schedules.

6. Schedule of deliverable

The expected end product of this assignment will be

- 6.1 Submit an inception report 2 weeks after the inception meeting detailing the proposed implementation for this assignment with input from PIU and MoAAW
- 6.2 Submit the methodology that will be used to meet the scope of this assignment along with the training schedules 2 weeks after the inception report is finalized.
- 6.3 Submit presentations, manuals, and handouts which will be used for the trainings 4 weeks after the submitting the methodology. All the documents thus submitted will be a property of PIU/MoAAW which can be used for future training.
- 6.4 Conduct the training for the staff of MAP and MoAAW within 3 weeks of submitting the training materials.
- 6.5 Observe the current process of growing plants in the MAP greenhouse and submit a report on the proposed changes that can be adopted to maximize yield.
- 6.6 Submit the report after supervising the growth of one crop cycle as per proposed changes (this can be done remotely with regular visits as proposed by the consultant during inception report) and submit a final report on the data collected.

12. Services and facilities to be provided by the client

- 12.1. Local transport for official travel between Malé and field visits to islands; food, accommodation and allowances will be provided from the project.
- 12.2. The Consultant shall ensure that they always carry themselves in good behavior and maintain a cordial friendly atmosphere with other personnel including employees of MoAAW, MAP, Island Councils and other organizations.
- 12.3. The Consultant shall provide professional, objective, and impartial advice, at all times holding the client's interest's paramount, strictly avoiding conflicts with other assignments or its own corporate interests, and acting without any consideration for future work. The Consultant has an obligation to disclose to the client any situation of actual or potential conflict that impacts its capacity to serve the best interest of the client.