





## C. SCOPE OF WORK

The scope of works to be undertaken by the individual/expert under this outlined Terms of Reference are to be undertaken in close collaboration with the Water and Sanitation Department, and relevant stakeholders as necessary, and include, but are not necessarily limited to, the following:

1. This consultancy consists of developing 2 separate application:
  - An application to monitor water distribution during dry period with a completion date of 31<sup>st</sup> January 2017.
  - An application to monitor the progress of the projects implemented by Ministry of Environment and Energy
2. Using relevant programming languages design, develop, and implement a web based application to collect, store, analyse, and distribute conflict and governance data and information;
3. Liaise with project team and collect application development requirements;
4. Review output formats to better understand expected outputs from the system;
5. Manage changes, bugs, and enhancements for the application, modify the application where necessary and test its applicability to ensure it conforms to the specifications;
6. Bug test application to ensure its reliability and stability;
7. Prepare the necessary technical documentation for the application;
8. Conduct user acceptance testing and report results;
9. Provide end-user training and support;
10. Perform other related duties as required.
11. The application should be able to perform the following task, but not limited to:
  - Multiple User Levels of Data Entry
  - Enable Access Levels of Editing, Viewing and Administration
  - Multiple Category Search and Filter
  - Report Generation (Multi Format)
  - Ability to Add additional categories
  - Application should be compatible to all current widely used browsers
  - Application should be able to handle large data sets in average internet speed

## D. QUALIFICATIONS AND EXPERIENCE

1. Education: University degree in Computer or Information Science or a related field, equivalent experience or specialized training in web application development.





2. Work Experience: At least 3-4 years of experience in web application development and mobile application development
3. Languages: Excellent knowledge of English
4. Good communication in English and Dhivehi Language.

Applicants are required to submit a portfolio of similar work done (reference letters or any documental proof of developed applications for organizations).

#### Core Competencies

1. Systematic and efficient approach to work assignments;
2. Good judgment and analytical ability;
3. Ability to manipulate large data sets, and excellent attention to detail;
4. Employs a proactive approach to foresee road-blocks and resolve them;
5. Excellent communication skills, communicates frequently with colleagues and supervisors;

#### DELIVERABLES

- (a) Presentation of the concept ideas
- (b) Draft Application Design must be submitted within 2 week of contract signing. (Development of the application shall begin once the drafted design is approved from the Ministry of Environment and Energy)
- (c) Timeframe of the project (activities, milestones must be specified with dates).
- (d) Weekly progress
- (e) Detailed Guide through out the project with screen shots
- (f) UML diagrams
- (g) Detailed Documentation of the assignment
- (h) Commented Source Code( including image files) in SOFT and HARD COPY
- (i) Should provide support for six (06) months ( bug fixing )
- (j) The developer shall host the application as instructed by the ministry and bring to a functioning state.

#### 7.0 EVALUATION CRITERIA

(1) Financial Proposal	[50%]
(2) Educational Qualifications	[30%]
(3) Experience of working in similar projects	[20%]
<b>Total: 100%</b>	



