



**Ministry of Climate Change, Environment and Energy**

Male', Republic of Maldives

Answers to questions received with reference to the announcement number (Reference Number: (IUL)438-CCD/438/2024/428) – 3<sup>rd</sup> October 2024  
Consultancy Service to Enhance Data Management System of the Transport Sector for the preparation of GHG Inventories

10<sup>th</sup> October 2024

Please find below answers for clarification for the above bid.

#	Clause no	Details	Clarification required	Answer
1.	NA	NA	Could you please provide an overview of the current non-functional requirements (NFR) of the system?	We are not having a system specifically designed to collect data related for GHG. So from our system, we are only able to provide types of engines used in vessels and vehicles and the types of fuels used excluding the fuels consumption.
2.	NA	NA	What are the anticipated future non-functional requirements (NFR) for the system?	<p>Since our system is outdated and not fit for the purpose. The new system should able to generate required information for decision maker.</p> <ul style="list-style-type: none"> <li>- Performance: Efficient data handling</li> <li>- Scalability: Horizontal scaling for increasing data volumes and users.</li> <li>- Security: Robust encryption, authentication, and authorization.</li> <li>- Reliability: 99.9% uptime with backup and disaster recovery.</li> <li>- Usability: Intuitive, accessible UI complying with WCAG 2.1.</li> <li>- Maintainability: Modular, well-documented codebase with automated testing.</li> </ul>



				<ul style="list-style-type: none"> <li>- Compliance: Adherence to data protection regulations (e.g., GDPR, CCPA).</li> <li>- Interoperability: Integration with other data sources and systems via APIs.</li> </ul>
3.	NA	NA	Could you please specify the current databases in use and whether there is a particular architecture associated with them?	The details will be disclosed to bidder undertaking the assignment.
4.	NA	NA	Could you provide an overview of the current security measures and protocols implemented within the system?	Not applicable
5.	NA	NA	Are there any recommended security standards for enhancing data security compliance in the Maldives?	Should comply with security measures issued by National Centre for Information Technology (NCIT) and National Cyber Security Agency (NCSA). They are currently working on making standard policies for software development, and you must adhere to the policies if they are published during the implementation period.
6.	NA	NA	What is the anticipated data volume for transfers from mobile devices to the Content Management System (CMS)?	Consultant to identify during the implementation.
7.	NA	NA	How many API connections are anticipated to be established?	The number of API needed for will be discussed during the implementation and agreed.



8.	NA	NA	Are there any specific technical requirements for the Content Management System (CMS) platform?	<ul style="list-style-type: none"><li>- Should support multiple content types (e.g., articles, images, videos).</li><li>- Should be scalable to handle increasing traffic and content volume.</li><li>- Must offer role-based access control and user permissions.</li><li>- Should have multilingual support.</li><li>- Must have an API for integration with other systems.</li><li>- Should provide advanced analytics and reporting features.</li><li>- Should support responsive design for mobile and desktop.</li><li>- Must offer version control for content.</li><li>- Should allow customizable workflows for content approval and publishing.</li><li>- Should support SEO optimization tools.</li><li>- Must offer backup and recovery solutions for content.</li><li>- Should support plugin or module architecture for additional features.</li></ul>
9.	NA	NA	Would the use of pre-built tools for the Content Management System (CMS) be preferred?	<ul style="list-style-type: none"><li>- Must ensure there are no hidden costs related to upgrades, maintenance, or additional features.</li><li>- Licensing fees, if any, should be transparent and clearly outlined.</li><li>- Avoid vendor lock-in or reliance on proprietary technology that limits future flexibility.</li><li>- Any potential costs for third-party integrations, plugins, or add-ons should be disclosed upfront.</li><li>- Support and training fees, if applicable, must be clearly specified.</li></ul>



				<ul style="list-style-type: none"> <li>- Ensure compliance with data privacy regulations to avoid potential fines or legal costs.</li> <li>- If the solution offers strong community support and regular updates.</li> <li>- If the pre-built tools are highly customizable and extendable.</li> <li>- If they provide robust security features.</li> <li>- If they ensure easy integration with existing systems.</li> <li>- If they are compatible with current technology stack.</li> <li>- If they offer reliable performance and scalability.</li> </ul>
10.	NA	NA	Will you be able to provide the data necessary for training the AI-powered chatbot, including existing FAQs and knowledge base content, for integration into the website?	- Yes, we will provide the necessary data, including existing FAQs, knowledge base content, and any relevant documents.
11.	NA	NA	Do you envision the training materials and sessions for MOTCA and MCCEE staff on the new interface and updated roadworthiness system to be interactive, or will they primarily consist of written documentation?	Both
12.	NA	NA	Regarding the functional parameters, how should we handle vehicles that do not meet the specified criteria? Would exception handling be necessary in such cases?	All vehicles data needed to be handled. Regarding how it will be handled for vehicles not meeting criteria currently specified in TOR can be discussed during the implementation and agreed.
13.	NA	NA	Could you please confirm whether the scope of work includes the enhancement of GHG measurement and data validation?	Physical measurements of GHG data are not in the scope of work.  Validation checks should be there for Roadworthiness System and Data sharing interface.



## **Procurement Section**

Ministry of Climate Change, Environment and Energy

Green Building, Handhuvaree Hingun, Maafannu

Male', 20392, Republic of Maldives

Email: [procurement@environment.gov.mv](mailto:procurement@environment.gov.mv)

Cc: [cbit@environment.gov.mv](mailto:cbit@environment.gov.mv)

Website: [www.environment.gov.mv](http://www.environment.gov.mv)