

CABO VERDE

Wave₂O Energy Project

GENERAL PROCUREMENT NOTICE

1. Resolute Marine Energy (RME) has received a grant from the Sustainable Energy Fund for Africa (SEFA) managed by the African Development Bank (AfDB) to develop a reverse-osmosis desalination plant powered solely by wave energy.

2. The principal objective of this project is help address the issue of water scarcity in Cabo Verde as well as the country's reliance upon diesel-powered desalination to meet the majority of its water needs. The SEFA grant is intended to support the studies and preliminary activities required for the deployment and testing of the pilot-scale Wave2O™ plant and ultimately the procurement, deployment and testing of a full-scale commercial Wave2O™ plant with a projected production capacity of 4,000 m³/day.

3. The project includes the following components:

i) Site Feasibility Studies:

Local site feasibility studies will consist of in-depth analyses of the physical characteristics of the demonstration project in Cabo Verde coupled with an economic impact analysis that features a “wave-to-water” cost analysis. The local site feasibility will include the following tasks: (i) Wave Energy Assessment, (ii) Bathymetric survey and geotechnical analysis, (iii) Water Quality Assessment, (iv) Environmental Impact Assessment (EIA) and permitting

ii) Technical Feasibility Studies:

The purpose of this task is to adapt the Wave2O™ design to the local conditions in Cabo Verde. This work package will consist of the following tasks: (i) Wave Energy Converter (WEC) adaptation, (ii) Desalination adaptation, (iii) Electrical subsystem adaptation and (iv) Test site design and engineering.

iii) Project Management

The purpose of this task is to oversee the management of the project, ensure that the procurement of services is done in compliance with the Bank's rules and procedures, and carry out an audit of the project. A Project Manager and a Procurement specialist shall be recruited under this project.

4. Acquisition of the services of Consultants will follow the *AfDB's New Procurement Policy Framework* (effective January' 2016). Bidding documents are expected to be available in March 2016.

5. Interested bidders may obtain further information, and should confirm their interest, by contacting:

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