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## **EXPRESSION OF INTEREST FOR CONSULTANCY SERVICES FOR MAPPING OF CORAL REEF AND SEAGRASS HABITATS IN KWALE COUNTY**

### **1.0 INTRODUCTION**

The Kenya Climate Change Adaptation Programme (KCCAP) is a National programme funded by the Adaptation Fund under the United Nations Framework Convention for Climate Change (UNFCCC). The three year program is under the under the National Implementing Entity (NIE) - National Environment Management Authority (NEMA) and being executed by Coast Development Authority among other Agencies. This integrated programme aim at building resilience and adaptive capacity to climate change of vulnerable communities in Kenya. Through CDA, the Programme has various activities under Integrated Shoreline and Mangrove Ecosystem Management (ISMEM) among them is mapping of coral reef and sea grass habitats in Kwale County.

Tender No.: **CDA/T/008/2017-2018**

Publication Date: **14<sup>th</sup> November, 2017**

Deadline for submission: 4<sup>th</sup> **December, 2017**

### **2.0 BACKGROUND**

Coral reefs and sea grass beds provide vital ecosystem services. They provide shelter and food to numerous marine species in addition to other functions, including sediment stabilization. However, despite national and international efforts to conserve and mitigate threats to these ecosystems they are increasingly under threat. Threats include effects of, climate change (e.g. erratic and torrential rains which cause flooding and massive erosion/deposition), marine pollution (dumping of domestic and industrial waste), over exploitation of fisheries and other marine resources and unsustainable coastal development which leads to rapid degradation and loss of coral and sea grass habitats.

Conservation and management of coral reefs and seagrassbeds is important to ensure that the ecosystems continuously provide the ecosystem services for present and future generation. In a bid to ensure this is achieved, State Agencies have spearheaded the development of the National Coral Reefs and seagrass Conservation Management Strategy. One of the Objectives of the strategy is to secure, restore healthy and resilient coral reefs and sea grass bed coverage in order to establish the baseline status. Other coservation and management interventions will be based on the coral reefs and seagrass bed maps that will be generated.

### **3.0 OBJECTIVES OF THE CONSULTANCY**

The aim of this activity is to develop current coral reef and sea grass benthic maps for the South coast of Kenya. The geographical area extends from Likoni to Jimbo (Vanga). These benthic maps should include coral reefs,

seagrass/seaweed beds, sandy patches, rocky patches, rubble etc.

#### **4.0 SCOPE OF WORK**

- i. Collect, collate, synthesize existing information on previous coral reefs and seagrass beds mapping efforts in the south coast of Kenya. The report should highlighting the year of production of the maps, data (ground and satellite imagery type) and methods used, the outputs produced (which benthic types were mapped, any validation statistics if available, and assess the usefulness of those maps in addressing current objectives)
- ii. Access and compile the maps produced in those studies where possible in a way that CDA can access them in user friendly formats e.g., GIS shape files, PDF maps etc.
- iii. Assess, compile and propose a suitable choice of remote sensed and satellite imagery useful to map current state of the coral reefs and seagrass beds in the south coast of Kenya.
- iv. Propose an acceptable and detailed methodology (based on previous studies, and current knowledge on mapping coral reefs and shallow coral reef benthic types) that will be used to achieve the objectives of this activity.
- v. The consultancy must clearly demonstrate the use of GIS and Remote sensing tools (software i.e., ESRI ArcGIS, ENVI or any other widely used and approved remote sensing software e.g., ERDAS) to produce maps as specified in the first paragraph of this Scope of Work.

#### **5.0 CALL FOR EXPRESSION OF INTEREST**

Coast Development Authority now invites eligible consulting firm to indicate their interest in providing consultancy services .This expression of interest will lead to shortlisting of firms who will be invited to submit detailed proposals.

Interested consultants must provide information indicating that they are qualified to perform the services.

The following selection criteria will apply as a minimum to the lead firm or the consortium

- Financial capacity of the firm –the firm should show proof of capacity to undertake such exercise with an average annual financial turnover of atleast Kshs 1,000,000.00
- Professional capacity - atleast two staff working for the firm to posses relevant qualification related to this services.
- Technical capacity-Candidate has succesfully implemented one project in the relevant field to this consultancy.
- Regional reference –The firm should preferably have a permanent country office

Completed Expression of interest in plain sealed envelopes marked appropriately should be submitted to the address given above or be deposited in the tender box at Coast Development Authority Headquarters, Mama Ngina Drive Mombasa by **4th December 2017 at 11am**.

Opening of the bids will be done immediately thereafter in the Board Room and in the presence of bidders representatives who wish to attend. Late expressions of interests will not be accepted.

Only firms shortlisted under this procedure will be invited to submit their technical and financial proposals.The expression of Interest can also be viewed and downloaded from CDA Website [www.cda.go.ke](http://www.cda.go.ke) or IFMIS [www.suppliers.go.ke](http://www.suppliers.go.ke); Bidders are advised to be checking the website. Interested consultants may obtain further information in writing at the address above during week days

**MANAGING DIRECTOR  
COAST DEVELOPMENT AUTHORITY**