Call for individual Economic Expert for the process of developing and implementing the climate resilient ICZM plan for the North Coast of Egypt

1. Background

The Enhancing Climate Change Adaptation in the North Coast and Nile Delta Regions in Egypt Project (ECCADP) aims at supporting the adaptation efforts of Egypt in the North coast and in particular the Nile Delta which is identified by the Intergovernmental Panel on Climate Change (IPCC) in its Fourth Assessment Report as one of the world’s three “extremely” vulnerable deltas in the world. The objective of the ECCADP is to reduce coastal flooding risks in Egypt’s North Coast due to the combination of projected sea level rise and more frequent and intense extreme storm events. Output 1 focuses on constructing 69 km of sand dune dikes at five vulnerable hotspots within the Nile Delta that were identified during an engineering scoping assessment and technical feasibility study. Output 2 focuses on the development of a climate resilient Integrated Coastal Zone Management (ICZM) plan for the entire North Coast of Egypt, to manage long-term risks including climate change.

The ECCADP will facilitate transformational change in the short-term by reducing coastal flooding threats along vulnerable hotspots in the Delta and in the long-term by integrating additional risks of climate change into coastal management and planning, budgeting and implementation of risk reduction measures. The ECCADP is implemented by the Ministry of Water Resources and Irrigation (MWRI) and is jointly funded by the Government of Egypt (GoE), the Green Climate Fund (GCF) and the United Nations Development Programme (UNDP).

The ECCADP recruited an international consultancy firm to develop and assist in the implementation of a climate resilient ICZM plan for the North Coast of Egypt. The consultancy firm has accomplished a number of outputs (https://eccadp.com/) and based on these outputs a number of accumulated deliverables needed to proceed with the next process of developing and implementing the climate resilient ICZM plan for the North Coast of Egypt.

The project seeks to recruit an individual Economic Expert to prepare and deliver number of tasks within the process of developing and implementing the climate resilient ICZM plan for the North Coast of Egypt - related tasks - as described below in the duties and responsibilities section based on the data input from the ECCADP.
2. **Scope of work:**

2.1. Based on the data inputs from the ECCADP, the Economic expert will carry out the following:

2.1.1 Identify and deliver the negative consequences of the coastal risks on the macro-economic level activities in the study area including:

- Erosion.
- Flooding.
- Saltwater intrusion.
- Siltation.

2.1.2 Prepare, develop, and deliver the needed inputs to build a computer application for performing Cost & Benefit analysis to evaluate the potential interventions for ICZM project.

2.1.3 Identify and deliver the economic impacts and risks related to flooding, coastal erosion, soil subsidence, and groundwater level and soil salinity under different scenarios at the study level units scale.

2.1.4 Identify and deliver the economic loss (US$) due to the above climate risks on macro-economic level and ecosystems at the study level units scale.

2.1.5 To collaborate and work closely with the ECCADP information system expert to build a computer application for performing Cost & Benefit analysis.

2.1.6 Prepare, develop, and deliver the costs of ICZM plan implementation and the different feasible funding mechanisms to ensure a long-term funding for ICZM projects, including funding from international donors and the national budget.

2.2 Participate in meetings and field trips - if needed - with the ECCADP and relevant stakeholders.

2.3 Deliver expert opinion on matters related to the ICZM.

2.4 Deliver on the job training sessions to the ICZM stakeholders.

2.5 Develop a management guidance of the adaptive pathways in light of the current status and its implications.

2.5.1 Prepare a statistical analysis for the current status.

2.5.2 Deliver an evidence-based report for the implications of the current status.

2.5.3 Develop adaptive pathways and future scenarios in cooperation with ICZM experts.

3. **Duration**

3.1 ECCADP will contract the Economic Expert for Nine months within which S/He will be asked to deliver a number of databases, reports, and attend a regular of meetings in the process of developing and implementing the climate resilient ICZM plan for the North Coast of Egypt. This contract can be renewed based upon the project requirements and the evaluation of the performance of the work carried out in the preceding period.

3.2 The estimated working days for this task is up to 40 days during the period of July 2024 – March 2025, and the selected expert will submit the deliverables in section (4) based on an agreed time plan.
which will be formulated based on the technical proposal of the applicant and the ECCADP arrangements.

3.3 The contract duration and number of working days are indicative and will be finalized with the selected candidate upon contract signing.

4. **Deliverables:**
   The deliverables should be downscaled and aligned with the national administrative borders or boundaries (Provinces (Marakez), Cities, Villages) which are adopted by the national governmental organizations in Egypt.

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Terms of Payment</th>
<th>Expected Submission Date</th>
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<tbody>
<tr>
<td>4.1 Detailed Work plan</td>
<td>10% of the total value of the contract upon approval of the contract</td>
<td>Two weeks after signature of the contract</td>
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<td>4.2 A report on the current and future economic key issues related to coastal risks in north coast under different scenarios at study level units including:</td>
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<td>4.2.1 Negative consequences that erosion may cause on economic activities or infrastructures.</td>
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<td>4.2.2 Negative economic impacts of coastal flooding on economic activities or infrastructures.</td>
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<td>4.2.3 Negative economic impacts of siltation on economic activities or infrastructures.</td>
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<td>4.2.4 Negative economic impacts of saltwater intrusion on economic activities or infrastructures.</td>
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<td>4.3 A report on the formulas, calculations, and needed data input for preparing a computer based economic model for performing Cost &amp; Benefit analysis to evaluate the potential interventions for ICZM project in the north coast at the study level units.</td>
<td>20% of the total value of the contract upon the acceptance of the report</td>
<td>three weeks after the acceptance of deliverable no.4.2</td>
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4.4 A report including the costs of the ICZM plan implementation and the different feasible funding mechanisms to ensure a long-term funding for ICZM projects, including funding from international donors and national budget.

20% of the total value of the contract upon the acceptance of the report

Four weeks after the acceptance of deliverable no.4.3

4.5 Deliver (2) on-the-job training sessions for the ICZM stakeholders.

10% of the total value of the contract upon the acceptance of the report

Three weeks after the acceptance of deliverable no4.4

4.6 A report including management guidance of the adaptive pathways in light of the current status and its implications.

20% of the total value of the contract upon the acceptance of the report

Two weeks after the acceptance of deliverable no.4.5

5. Qualifications and Experience

5.1 University degree in Economics or related relevant discipline, preferably at PhD level.

5.2 At least 10 years of progressive working experience in climate risks and their impacts on the coastal economic activities and / or relevant topics.

5.3 Knowledge of the northern coasts of Egypt.

5.4 Working experience with governmental stakeholders and international projects.

5.5 Fluency in written and spoken English.

6 Application:

Please submit your technical proposal, recent CV, and a financial offer for achieving the above deliverables to the below email specifying the title of the post: mohamed.ahmed@eccadp.com

Deadline for application is July 1st, 2024.

7 Evaluation / Selection Process

All applicants will be screened against qualifications and the competencies set above. Candidates fully meeting the requirements will be further evaluated based on the criteria below:

7.3 Technical Criteria CV review: 70 points (minimum pass score = 50 points):

7.3.1 Educational qualification as defined in the ToR (10 points).
7.3.2 Experience as defined in the ToR (20 points).
7.3.3 Relevant work experience in similar projects (20 points).
7.3.4 Experience of the Egyptian northern coasts (20 points).

7.4 Financial Criteria: 30 points.
7.4.1 Financial scores will be calculated using the formula [lowest offer / financial offer of the candidate x 30].