



AFRICAN DEVELOPMENT BANK GROUP
Immeuble du Centre de commerce international d'Abidjan CCIA
Avenue Jean-Paul II 01 BP 1387 Abidjan, Côte d'Ivoire

REQUEST FOR EXPRESSIONS OF INTEREST (REOI)- Extended deadline

Energy Financial Solutions, Policy and Regulation (PESR)/
Renewable Energies and Energy Efficiency (PERN)

RECRUITMENT OF A CONSULTING FIRM TO CONDUCT A FEASIBILITY STUDY FOR A WIND OFFSHORE SITE IN TUNISIA WITH ENERGY STORAGE AND PROVIDING KNOWLEDGE TRANSFER AND CAPACITY BUILDING

- ❖ **Assignment:** The African Development Bank (AfDB) invites eligible consulting firms to express their interest to undertake *a Feasibility Study for an Offshore Wind Power Plant Project (from 250 to 500 MW) with Energy Storage in Tunisia*. This Assignment is part of the Africa Energy Transition Catalyst Program (AETC) and is financed by the Sustainable Energy Fund for Africa (SEFA).
- ❖ **Objective:** The overall objective of this Technical Assistance (TA) is to contribute to the implementation of Tunisia's energy strategy for 2035, which aims to increase the rate of integration of renewable energies to reach 35% of the national electricity mix by 2030 and 50% by 2035. As part of Tunisia's efforts to develop solar and wind energy capacities, the AfDB is recruiting a highly qualified consultancy firm to carry out a feasibility study for an offshore wind power plant project (250 to 500 MW) with energy storage in Tunisia. The consulting firm will support the Tunisian Electricity and Gas Company (STEG) by performing the following specific objectives: (i) Characterizing the site through measurement campaigns and surveys, (ii) Proposing a preliminary basic design for a complete 250 to 500 MW wind farm with an associated energy storage system (in the form of batteries and hydrogen), (iii) Proposing cost estimates and an initial financial model, and (iv) Providing knowledge transfer and capacity-building for public-sector players regarding this new technology.
- ❖ **Tasks:** The services expected from the consulting firm include the following main tasks/deliverables:
 - **Detailed feasibility study for an offshore wind power plant with energy storage:** activities under this component include characterizing the site by measurement campaigns and surveys, port appraisal and access study, high-quality and reliable meteorological and oceanographic measurement campaign, geological and geophysical studies, geotechnical study, data analysis reports, recommendations on offshore wind turbine location/size/type and type of foundations according to wind resource assessment and sea-bed survey studies, long-term yield assessment based on on-site wind measurements, technical and design studies for the power plant and its electrical grid connectivity assessment, technical and economic studies on energy storage systems, etc.
 - **Economic, financial and environmental and social (E&S) studies:** the activities of this component include the preparation of economic and financial profitability studies for the project (risk allocation, cash flow/investment return/LCOE/CAPEX/OPEX calculations, ports availability and supply chain issues), as well as environmental and social impact and risk assessment studies.
 - **Knowledge transfer and capacity building:** activities under this component include: (i)

training on different steps of planning and execution of offshore wind projects studies, (ii) study visits, (iii) knowledge transfer to STEG's technical committee during the different tasks of the feasibility study.

- ❖ **Required Expertise:** Interested consulting firms are expected to demonstrate a track record in the field of large-scale wind energy projects and in the field of power energy projects (electricity, network, transmission, etc.), including relevant experience of the key experts in developing feasibility studies for offshore wind energy projects with energy storage (in particular, key experts should present at least two references for work similar to the assignment). Consultants may collaborate with other firms in the form of joint venture, consortium, or sub-consultancy to enhance their qualifications. The firm must demonstrate its ability to produce reports and deliverables in both French and English.
- ❖ **Expression of Interest:** AfDB invites eligible consulting firms to express their interest in providing the above-described activities. Interested consulting firms should provide information indicating their qualifications to perform the services such as firm registration documents, firm profile/brochures, documents referencing their track record or portfolio with similar and relevant experience, availability of appropriate skills among staff relevant to the Assignment, etc.
- ❖ **Language:** The language of the main deliverables will generally be in French. However, the inception report and periodic reports to the Bank on key deliverables will be in English.
- ❖ **Department issuing the request:** Energy Financial Solutions, Policy and Regulations (PESR)/ Renewable Energy and Energy Efficiency (PERN).
- ❖ **Duration of the assignment:** The expected duration of this Assignment is twenty-four (24) months, from the signing of the contract by the selected consultancy firm to the completion of the feasibility study for the 250 to 500 MW offshore wind project with energy storage and providing knowledge transfer and capacity building. The commencement date is expected to be October 2024.
- ❖ **Place of the assignment:** This Assignment will be carried out remotely as well as physically based on the needs or stage of implementation. The consulting firm's key specialists will be required to be in Tunisia (STEG headquarters, project site, etc.) during the crucial phases of the project and at STEG's request. In its technical proposal, the firm will propose the number of man-days and missions planned in Tunisia.
- ❖ **Procurement Process:**
 - The eligibility criteria and selection process shall be done in conformity with the **AfDB's rules and procedures for the use of corporate consultants**.
 - This Expression of Interest (EOI) submitted by a consulting firm does not imply any obligation on the part of the Bank to include the firm in the shortlist. Adherence to the Bank's Code of Ethics and Core Values is an essential requirement for this Assignment. The Bank reserves the right to cancel or postpone this procurement process should that be deemed necessary.
- ❖ **Deadline and contact:**
 - Interested consulting firms may obtain further information or clarifications at the email addresses below during office hours: 09:00 – 17:00 GMT. The deadline for clarifications is July 22nd, 2024, at 17:00 GMT.
 - Expressions of interest must be received by email only at the address below no later than **August 9th, 2024, at 17:00 GMT**. Subject of the email should be titled: "Expression of Interest – Consulting firm services – Feasibility Study offshore wind Tunisia".
 - For the attention of Mr Carlos Mollinedo, c.mollinedo@afdb.org ; with copy to: Mrs Etidel Labidi, e.labidi@afdb.org ; Mrs Guillaîne Neza, g.neza@afdb.org and Mrs Sana Essaber, s.essaber@afdb.org
 - Expressions of Interest should not exceed a maximum of fifteen (15) pages.

❖ **Establishment of the short list (Evaluation Process)**

A shortlist of six (6) consulting firms will be established at the end the request of expressions of interest. The expressions of interests will be assessed based on the following criteria.

#	Criteria	Score
A	General qualifications and adequacy for the assignment to be undertaken	20
B	Relevant experience related to the assignment: a) Track record in the field of large-scale wind energy projects and in the field of power energy projects (electricity, network, transmission, etc.) [30] b) Relevant experience in developing feasibility studies for offshore wind projects [25]	55
C	Availability of skills within the personnel of the company during the period planned for the execution of the contract.	10
D	Language Proficiency (good knowledge of French is required)	10
E	Experience with Multinational Development Banks and Development Finance Institutions, experience with the AfDB would be a plus	5
	Total	100