

# REQUEST FOR EXPRESSION OF INTEREST

## AFRICAN DEVELOPMENT BANK

### Renewable Energy and Energy Efficiency Department (PERN) Sustainable Energy Fund for Africa (SEFA)

#### CONSULTANCY SERVICES (FIRM) FOR FLOATING SOLAR PROJECT AT THE KARIBA DAM

1. The African Development Bank (the Bank) invites eligible consulting firms to indicate their Interest in providing services under the Sustainable Energy Fund for Africa (SEFA)'s Africa Hydropower Modernization Program (AHMP) to support the Bank and its clients as consultants for the preparation of: ***Feasibility study for Floating Solar Project on the Lake Kariba reservoir.***
2. The Zambezi River Authority (the Authority) is a bilateral organization owned by the Republics of Zambia and Zimbabwe and mandated to operate, monitor, and maintain the Kariba Dam Complex as well as develop the full hydropower potential on the shared portion of the Zambezi River, common to the Contracting States.
3. Both Zambia and Zimbabwe, as well as the entire Southern African Power Pool (SAPP) Region, suffer power supply deficits. The shortfalls faced by the two countries are compounded by regular poor hydrology affecting the Zambezi catchment and overutilization of the reservoir due to shortage of supply from other sources. The addition of floating solar would therefore increase capacity and improve utilization of the resulting hydro/ solar system. It would also provide a substitute for some fossil-fueled plants that are due for decommissioning and enable better hydrologic regulation.
4. SEFA is a multi-donor Special Fund managed by the Bank, with the mandate of unlocking private sector investments through technical assistance and concessional investments along three themes, namely Green Baseload (GBL), Green Mini-grids (GMG) and Energy Efficiency (EE). The Fund's overarching goal is to contribute to universal access to affordable, reliable, sustainable, and modern energy services for all in Africa, in line with the New Deal on Energy for Africa and Sustainable Development Goal 7. SEFA was established in 2011 in partnership with the government of Denmark and has since received contributions from the governments of the United States, United Kingdom, Italy, Norway, Spain, Sweden, Germany, the Nordic Development Fund and the Global Energy Alliance for People and Planet. SEFA is housed in the Renewable Energy and Energy Efficiency Department (PERN) under the Power, Energy, Climate, and Green Growth (PEVP) complex.
5. The services to be provided under the assignment include:
  - a. A desk review and analysis of available documentation and data, site visits, and stakeholder consultation.
  - b. Preliminary feasibility studies for the Kariba site.
  - c. A full feasibility study for the Kariba site outlining (i) technical viability including technical specifications for grid integration, (ii) financial viability, (iii) Incorporating environmental impacts', including an explicit wildlife impact, study produced under a separate assignment and (iv) socioeconomic aspects of the proposed floating solar PV<sup>1</sup> project to guide ZRA and other local stakeholders in its decision-making process.
  - d. Development of options – financing and business models – for actual implementation of the floating solar PV installation on the Lake Kariba .

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<sup>1</sup> A separate consultant will be selected for items 3 and 4 of task c, and the selected consultant for this assignment is expected to coordinate with that consultant and reflect its key findings in the selected consultant's feasibility reports

- e. Capacity building for the Authority, Two National Power Utilities, and other stakeholders on technical aspects of FSPV integration.
  - f. Supporting the preparation of construction tenders with the aim of attracting, IPP SPVs for BOO or BOOT
6. The Renewable Energy and Energy Efficiency Department invites consulting firms to indicate their interest in providing the above-described services. Interested, eligible consulting firms or associations of consulting firms shall provide information on their qualifications and experience demonstrating their ability to provide the services (documentation, references for similar services, experience in comparable assignments, availability of qualified staff, etc.).
  7. The expression of interest should follow the following format.
    - a) Details of the firm or consortium (including nationality of the firms and contact person) and including DACON registration number<sup>2</sup> (1 page);
    - b) Expression of Interest detailing the firm's strengths, expertise, approach, and any relevant information (approx. 5 pages).
    - c) Experience in similar Assignments (approx. 5 pages).
    - d) CV of Key Staff members (approx. 5 pages).
    - e) Any additional documents of information the firm believes are relevant.
  8. It is recommended to keep the submission below 25 pages.
  9. The eligibility criteria, the establishment of a short list and the selection procedure shall be in conformity with the Bank's Rules and Procedures for the Use of Consultants available on the Bank website <http://www.afdb.org>. Please, note that interest expressed by a Consulting Firm does not imply any obligation on the part of the Bank to include it in the shortlist.
  10. The estimated duration of services is **eighteen (18) months**, and the estimated starting date is **1<sup>st</sup> October 2024**.
  11. Interested consulting firms can obtain more information at the address below during the Bank's working hours, from 08:00 — 17.00 hours, Abidjan local time on Mondays to Fridays inclusive except on public holidays.
  12. The selection method to be adopted during RFP stage is **Quality and Cost Based Selection Method (QCBS)**
  13. Expressions of interest must be received at the address below no later than **15 June 2024 at 15:00 hours, local Abidjan time** and should specifically mention **Feasibility study for Floating Solar at the Kariba Dam**, addressed to:

Mr. Joao Duarte Cunha, Division Manager, PERN.3/ SEFA

Email: Anders PEDERSEN ([a.pedersen@afdb.org](mailto:a.pedersen@afdb.org)) and Mundia SIMAINGA ([M.SIMAINGA@AFDB.ORG](mailto:M.SIMAINGA@AFDB.ORG)),

Any questions and requests for clarifications may be sent to: Mr. Anders PEDERSEN **E-mail: [A.PEDERSEN@AFDB.ORG](mailto:A.PEDERSEN@AFDB.ORG), with copy to [M.SIMAINGA@AFDB.ORG](mailto:M.SIMAINGA@AFDB.ORG).**

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<sup>2</sup> Firms should be registered in the AfDB DACON Consultant Database. New registration can be obtained at [https://econsultant.afdb.org/sap/bc/webdynpro/sap/zdac\\_wd\\_login\\_page/#](https://econsultant.afdb.org/sap/bc/webdynpro/sap/zdac_wd_login_page/#)

#### 14. ESTABLISHMENT OF THE SHORT LIST

A shortlist of six consulting firms will be established at the end of the request of expression of interest. The consulting firms on the shortlist will be evaluated on the following criteria and minimum qualifying mark shall be 70 points.

<b>Criteria</b>	<b>Score</b>
General qualification in the area of expertise of power systems development, hydropower, and Floating Solar PV.	30
Experience in the area of expertise of Floating Solar PV and its integration with existing hydro-power power stations.	30
Availability of skills within the personnel of the consulting firm during the period planned for the execution of the contract of hydropower and co-location of floating solar PV	30
Experience with MDBs and DFIs in Energy and Water Resources Sectors in Africa	10
<b>Total</b>	<b>100</b>