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DB Reference N°: IDB-P880472-12/21

Country: Suriname

Institution: Inter-American Development Bank

Sector: General - Energy and Extractives

Deadline: 2021-12-24T00:00:00.00-04:00

Status: Published

Loan N°./Financing: ATN/JF-18695-SU

Project: Support the development of solar floating photovoltaic energy in Suriname

Title: BEO: Feasibility studies of floating solar photovoltaic installation in Suriname

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Borrower/Bid No:

Operational Consulting Services – Bank Executed Operation (BEO)

Name: Support the development of solar floating photovoltaic energy in Suriname

Description: Feasibility studies of floating solar photovoltaic installation in Suriname

Deadline: 24 December 2021

For further details, go to: http://beo-procurement.iadb.org/home

and find Selection No. SU-T1138-P002

IDB Inter-American Development Bank

REQUEST FOR EXPRESSIONS OF INTEREST

CONSULTING SERVICES

Selection # as assigned by e-Tool: SU-T1138-P002

Selection Method: Simplified Competitive Selection

Country: *Suriname*

Sector: INE/ENE

Funding – TC #: ATN/JF-18695-SU

Project #: SU-T1138

TC name: Support the development of solar floating photovoltaic energy in Suriname

Description of Services: Feasibility studies of floating solar photovoltaic installation in Suriname

Link to TC document: https://www.iadb.org/projects/document/EZSHARE-975627404-21?project=SU-T1138

The Inter-American Development Bank (IDB) is executing the above mentioned operation. For this operation, the IDB intends to contract consulting services described in this Request for Expressions of Interest.

Expressions of interest must be delivered using the IDB Portal for Bank Executed Operations (http://beo-procurement.iadb.org/home) by: December 24th, 2021, 5:00 P.M. (Washington D.C. Time).

The consulting services ("the Services") include the preparation of a feasibility study for a 25-75 MW floating solar PV installation integrated in the Afobaka hydropower dam. The feasibility studies will focus on the technical, economic, institutional, legal and environmental studies. There will be a particular attention to issues relevant to LAC such as climate resilience and risk mitigation. The consultancy is expected to be executed in 10 months, starting in the Q1 of 2022.

Eligible consulting firms will be selected in accordance with the procedures set out in the Inter-American Development Bank: *Policy for the Selection and Contracting of Consulting firms for Bank-executed Operational Work* - GN-2765-4. All eligible consulting firms, as defined in the Policy may express an interest. If the Consulting Firm is presented in a Consortium, it will designate one of them as a representative, and the latter will be responsible for the communications, the registration in the portal and for submitting the corresponding documents.

The IDB now invites eligible consulting firms to indicate their interest in providing the services described above in the draft summary of the intended Terms of Reference for the assignment. Interested consulting firms must provide information establishing that they are qualified to perform the Services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Eligible consulting firms may associate in a form of a Joint Venture or a sub-consultancy agreement to enhance their qualifications. Such association or Joint Venture shall appoint one of the firms as the representative.

Interested eligible consulting firms may obtain further information during office hours, 09:00 AM to 05:00 PM, (Washington D.C. Time) by sending an email to: *Jordi Abadal Colomina, jordia@iadb.org*

Inter-American Development Bank

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Draft Summary of Terms of Reference

The Study will include at least an analysis of the:

- Conceptual design and suitable technological options for the plant (floating system, mooring…).
- Site assessment, including a disaster risk analysis and resiliency against extreme weather events.
- Technical design, including dimensioning of the key elements of the PV plant.
- Interconnection to the main grid and coordination options with the hydropower plant.
- Interconnection protection elements
- Project's commercial design and economic and financial feasibility analysis.
- Financing arrangements and investment plan to implement the project
- Potential impacts on energy matrix of Suriname.
- Environmental, social, and economic impacts.
- Implementation plan.

The Feasibility Study will provide the Government of Suriname, as well as other potentially interested stakeholders, with sufficient information to justify acceptance, modification, or rejection of the Project for further financing and implementation. Such information will include but not be limited to: (i) the basis for the design and construction of the Project; (ii) a reliable forecast of the Project's implementation timeline; (iii) an estimation of Project costs and future revenue stream; and (iv) a detailed assessment of Project risks.

The consultancy firm shall have demonstrated previous experience on renewable energy projects and specific experience in floating solar plant and it´s integration with hydroelectrical power plants. Previous experience with Suriname energy sector and in the regions is highly desirable. Previous experience with the IDB or other International Organizations highly desirable.