

REQUEST FOR EXPRESSION OF INTEREST FOR SELECTION # 1262578

This Request for Expression of Interest is for a Firm Selection. Please log in as a valid Firm User if you wish to express interest in this selection.

Selection Information

Assignment Title	Renewable Energy and Storage Development in Zanzibar
Publication Date	08-May-2019
Expression of Interest Deadline	30-May-2019 at 11:59:59 PM (Eastern Time – Washington D.C.)
Language of Notice	English

Selection Notice

Assignment Country	TZ - Tanzania
Funding Sources	The World Bank Group intends to finance the assignment/services under: BB - BANK BUDGET TF019239 - Tanzania Rural Energy Expansion Project
Individual/Firm	The consultant will be a firm.

Assignment Description

SELECTION FOR CONSULTANTS BY THE WORLD BANK GROUP

REQUEST FOR EXPRESSIONS OF INTEREST

Electronic Submissions through World Bank Group eConsultant2
<https://wbgeconsult2.worldbank.org/wbgec/index.html>

ASSIGNMENT OVERVIEW

Assignment Title: 1262578 - Renewable Energy and Storage Development in Zanzibar

Assignment Countries:
- Tanzania

ASSIGNMENT DESCRIPTION

Zanzibar is a semi-autonomous state of the United Republic of Tanzania consisting of two major islands, Unguja and Pemba. The state is fully dependent on electricity imported from mainland Tanzania. The power is supplied through a 132-kV and a 33-kV submarine cable linking mainland Tanzania with Unguja and Pemba islands, respectively. At an estimated peak demand growth of 10 percent per year, the capacity of the submarine cables is expected to be exceeded by 2022. The current peak demand in Unguja is about 76.5 MW where the electricity demand growth in Unguja is being led by fast growth in tourism. To maintain growth in the tourism sector and delivering the economic benefits to its growing population, the state needs to urgently invest in the expansion of electricity supply. Addressing this supply issue would become even more critical as the electricity is forecasted to triple in the long-term by 2032.

To address these issues, the RGoZ has decided on the development of renewable energy to increase reliability of electricity supply and energy security. The RGoZ, in December 2018, issued a decision to adopt a PPP approach for the development of the 30 MW solar project in Unguja and Pemba, distributed across 4 sites.

This would need an assessment of the system with regards to the grid integration of renewables and how these resources can be utilized in conditions where there is supply interruption from the mainland by incorporating battery storage and different grid modernization techniques.

In this context, this activity will entail a techno-economic analysis of the Zanzibar electricity grid to:

- i) Evaluate the maximum penetration rates and plant locations for VRE plants under various scenarios, and the current system and the future reinforced system;
- ii) Assess key requirements of grid integration of RE and battery storage, either co-located with VRE plants or isolated, grid modernization, and key technical and economic issues related to renewable energy integration in the Zanzibar grid;
- iii) Define the necessary investments (reinforcements) required in the grid to cope with the given penetration rates, and the associated cost.
- iv) The distribution network planning with the consideration of the load increase trends and how RE and the different reinforcements can be considered to optimize the network planning.

INDIVIDUAL / FIRM PROFILE

The consultant will be a firm.

SUBMISSION REQUIREMENTS

The World Bank Group now invites eligible firms to indicate their interest in providing the services. Interested firms must provide information clearly stating their experience and qualifications to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc. for firms; CV and cover letter for individuals). Please note that the total size of all attachments should be less than 5MB. Consultants may associate to enhance their qualifications.

Interested firms are hereby invited to submit expressions of interest.

Expressions of Interest should be submitted, in English, electronically through World Bank Group eConsultant2 (<https://wbgeconsult2.worldbank.org/wbgec/index.html>)

NOTES

Following this invitation for Expression of Interest, a shortlist of qualified firms will be formally invited to submit proposals. Shortlisting and selection will be subject to the availability of funding.

Only those firms which have been shortlisted will receive notification. No debrief will be provided to firms which have not been shortlisted.

Qualification Criteria

1. Provide information showing that they are qualified in the field of the assignment.
2. Provide information on the technical and managerial capabilities of the firm.
3. Provide information on their core business and years in business.
4. Provide information on the qualifications of key staff.

* - *Mandatory*

Shortlisted consultants will be invited to respond to a Request for Proposal. Contract awards will be made in accordance with the World Bank Group Procurement Policies and Procedures.