

EXPRESION OF INTEREST

micro-grid preparation studies for specific sites in Papua New Guinea (PNG)

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Submission date: **November 11, 2023**

Country: Botswana

Description of procurement:

The consultant's task involves conducting micro-grid preparation studies for specific sites in Papua New Guinea (PNG). The work is divided into several phases:

I. Inception:

- Background research.
- Market sounding to assess private sector interest in micro-grids.
- Development of shortlisting criteria for 5 micro-grid sites.
- Identification of additional data requirements.
- Study planning (Inception Report).

II. Site Shortlisting:

- Data collection on 10 pre-selected micro-grid sites.
- Preliminary screening of environmental and social safeguards.
- Shortlisting of 5 micro-grid sites.
- Validation of the shortlist (approval of shortlist).

III. Preliminary Design:

- Field visits and stakeholder consultation for 5 shortlisted sites.
- Assessment of potential productive use of electricity.
- Preliminary design.
- Economic and financial analysis.

IV. Site Preparation Studies:

- Preparation of 5 Site Preparation Study Reports.

V. End of Assignment Report:

- Recommendations for the next steps, including bidding process and contractual arrangements.

The consultant is expected to keep reports concise and complete the assignment within 80 man-days over 4 months, concluding by March 2024. Progress payments will be linked to the completion and approval of specific tasks by the National Electrification Authority (NEA) and the World Bank.

Eligible criteria:

The ideal consulting firm for the project should possess the following qualifications, experience, and attributes:

Experience in Energy Sector Development:

- Demonstrate a track record in designing and implementing development projects aimed at promoting investment in the energy sector, with a preference for expertise in microgrids.
- Have experience in providing policy and program support for renewable energy projects in various development contexts, especially off-grid electrification.
- Showcase previous involvement in related projects in the Pacific islands.

Qualified Key Personnel:

- Possess a minimum of 5 years of professional experience in policy advice and program support within the energy access and renewable energy domains in diverse development contexts, particularly in off-grid electrification.
- Demonstrate a minimum of 3 years of experience in supporting the preparation, feasibility studies, design, partnerships, and implementation of projects involving international financial institutions (IFIs).
- Show prior engagement with partners, such as government and the private sector, in the field of renewable energy partnerships and financing models.
- Possess at least 2 years of experience in supporting communities in identifying and engaging in small and micro-scale economic activities, including microenterprise development, with a preference for expertise in facilitating cooperative formation and support.
- Fluency in English is required.

National Field Coordination Specialist (Based in-Country):

- Hold a Master's degree or higher in a relevant field, such as project management, development studies, environmental studies, or natural resources management.
- Demonstrate a minimum of 3 years in project management and coordination, preferably related to energy projects and experience in the Pacific Islands.
- Showcase experience in managing and coordinating partnerships.
- Preferred experience in supporting communities in renewable energy and climate change initiatives.

For more information, please email to info@tenderingproject.es