

## REQUEST FOR EXPRESSION OF INTEREST

### Consulting Services for Feasibility Studies of Renewables in Botswana

**Publication date:** 20<sup>th</sup> June 2022

**Submission date:** 30<sup>th</sup> June 2022

**Country:** Botswana

#### Description of procurement:

1. To assess the feasibility of developing (i) concentrated solar projects in Botswana and (ii) wind projects in Botswana, exploring the complementarity of wind projects with solar PV and battery storage to meet the demand of the country (the '**Feasibility Study**').
2. To provide just in time technical advisory services to the Client for the procurement of the solar and wind projects (the '**Technical Advisory Services**'); and
3. To provide technical capacity building to the Client to empower the Botswana teams on the solar and wind technologies (the '**Capacity Building**').

The renewable energy ('**RE**') capacity planned under the IRP shall serve as a basis for the analysis, in close coordination with the Utility and in alignment with the requirements of the Botswana Electrical Sector

#### Scope of Work:

The Consultant will be required to work on two parts:

- a. Mission A: Feasibility study
  - i. Task 1: Technology scenarios analysis
  - ii. Task 2: Renewable energy resource assessment and site selection
  - iii. Task 3: Site assessment
  - iv. Task 4: Technical analysis
  - v. Task 5: Grid impact study
  - vi. Task 6: Economic and financial analysis
  - vii. Task 7: Risk analysis
  - viii. Task 8: Final feasibility stud
- b. Mission B: Technical Advisory Services
- c. Mission C: Capacity building
- d. Mission D: Additional services

#### Qualification Criteria:

The core team should include people with the following skills:

- The Consultant shall be a qualified, internationally recognized firm with at least 5 years' relevant experience in preparing feasibility studies of at least two (2) grid connected solar plants with a minimum aggregate installed capacity of 150 MW (comprising PV plants of more than 10 MW) including at least one 50 MW CSP plant, one 50 MW PV plant and one BESS project, Conducted a wind resource assessment, feasibility study and the bankable AEP study of at least two (2) grid connected wind

farms with a minimum aggregate installed capacity of 100 MW (comprising wind farms of more than 10 MW) and a Grid impact study of solar and/or wind plants including at least a plant of 50 MW.

- The evaluation will consider also experience and credentials of the applicant in Botswana and Southern African region.
- The proposed team project shall include at least the Project Director; Project Manager; Solar and Wind resource experts; CSP expert; PV+BESS expert; Wind expert; Electrical expert; Civil and construction expert; Contract (IPP) expert; Environmental and social expert.
- The team should include members based in Botswana/or willing to spend enough time in Gaborone, with experience with the Utility that can leverage previous engagements in the sector.

For more information, please email to [info@tenderingprojects.es](mailto:info@tenderingprojects.es)