

Lejweleputswa Development Agency



<p style="text-align: center;">TERMS OF REFERENCE (TOR) PRE -FEASIBILITY STUDY FOR ESTABLISHING A STUDY , CONSTRUCTION AND COMMISSIONING OF A SOLAR POWER PLANT FOR THE LEJWE LE PUTSWA DEVELOPMENT AGENCY IN MATJHABENG LOCAL MUNICIPALITY</p>
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BACKGORUND

The Lejweleputswa District Municipality (LDM) is one of five District municipalities in the Free State Province. It comprises of five local municipalities namely Matjhabeng, Nala, Masilonyana, Tswelopele and Tokologo.

The Free State Provincial Growth and Development Strategy and the Lejweleputswa District Growth and Development Strategy identified alternative energy and green economy as a serious growth potential sector with great opportunities for employment and economic diversification.

SCOPE OF THE STUDY

This study aims to develop a pre-feasibility study for the design; construction and commissioning of solar power plant in the Lejweleputswa District. The pre-feasibility will determine the technical, economical/financial viability of establishing a solar power Plant in the Lejweleputswa District and will be carried out by consultants (service provider) in collaboration with the LDA.

LOCATION OF THE STUDY

The location of the solar project will be in the Lejweleputswa District in order to create job opportunities in the area and provide community with reduce energy price and green environment.

PROJECT STEERING COMMITTEE

The service provider will set up a Project Steering Committee (PSC) consisting of the LDA, the Lejweleputswa District Municipality and the service provider.

The PSC will meet bi-monthly to discuss:

- A report detailing progress and work done.
- Planning and Programme for the next month.
- Payment for service rendered.
- The approval of the draft reports leading to the final report.
- The final draft of the report will be workshop with identified role players.

PURPOSE/OBJECTS OF STUDY

In undertaking this study the LDA aims to understand or rather find answers to the following questions:

1. Monthly draft reports on:
 - a) Design methodology
 - b) Technology to be installed
 - c) Calculation of energy produced per MW (mega watt) of installed capacity to be evacuated into the grid
 - d) Area required per MW (mega watt) of installed capacity
 - e) Environmental and civil issues concerned with a solar power plant
 - f) Financial modelling capability
 - g) Calculation of reflection throughout any day

STUDY OUTPUTS

The following outputs will be expected from the service provider;

2. A programme of the study needs to be submitted with the tender to indicate the steps in order to complete the study.
3. Workshop on the Final Draft Report.
4. The drafting and approval of the Final pre- feasibility study Report.

REQUIRED SKILLS FOR STUDY

- Significant experience (at least more than 3 years) and demonstrate success in conducting such or related research projects
- Sound knowledge of practises and methodologies used for such and related research projects
- Excellent and demonstrated communication, facilitation and writing skills

- An ability to provide value added services to the LDA.
- Must be based in the Free State

STUDY COSTING

When a proposal is submitted and presented to LDA, the budget must be broken down as per the expected outputs (listed above). All study costs including accommodation, travelling, workshops, stationery material and etc. will be borne by the service provider and must be included in the hourly rate tendered. The LDA can approve a change in the quantity of the hours during a Project Steering Committee Meeting; the rate will be as tendered though.

STUDY TIMEFRAME

2 Months

Closing Date: 16 September 2011
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