



INDIVIDUAL CONSULTANT PROCUREMENT NOTICE

TITLE OF CONSULTANT: Local Individual Consultant (IC) to Collect & Analyze Data for Production of 1000 Small Scale Biogas Digesters in South Eastern Botswana

COUNTRY: Botswana

Duration of the assignment: To be proposed by the bidder

DESCRIPTION OF ASSIGNMENT: Collect & Analyze Data for Production of 1000 Small Scale Biogas Digesters in South Eastern Botswana

PROJECT NAME: BIOGAS Project

1. BACKGROUND

The Government of Botswana in collaboration with the United Nations Development Programme (UNDP) are implementing a project called “Promoting production and utilization of Biogas from Agro-waste in South-Eastern Botswana (Biogas Project)”. This follows the realization that waste has not been acknowledged as a recyclable economic commodity in Botswana. The reuse of waste to generate energy is an opportunity that Botswana must tap into for future use. Several waste streams are available at several agro-industrial facilities which can be utilized for generation of energy. Some of the agro-waste for consideration in bio-gas production include chicken manure, cow dung and goat/sheep droppings. Despite this immense potential presented by the abundance of livestock manure, agricultural/animal waste and other forms of biomass in the country, generation of energy from this waste remains a challenge.

The Biogas project seeks to facilitate low-carbon investments and public-private partnerships in the production and utilization of biogas from agro-waste in the districts of South-eastern Botswana. It has been realized that there are no suitable demonstration projects for technology penetration as the current use of biogas in Botswana is limited to small-scale applications and there is no institutional biogas plant operating at either an abattoir or a

landfill. Also, there is insufficient knowledge among various stakeholders (Government, private companies, farmers, communities, women, consumers about the benefits of biogas and the available technologies. The project therefore, will assist Government of Botswana in addressing this challenges through three project components:

- Institutional strengthening and capacity development
- Facilitation and establishment of biogas plants
- Setting up of utilization and knowledge platforms.

Botswana having ratified the United Nations Framework on Climate Change Convention (UNFCCC) has the obligation to promote production of green energy and reduce on the Green House Gases (GHGs) emissions. Though Botswana is a minor emitter of greenhouse gases (GHGs), the country as other countries is negatively impacted by climate change, efforts should be made to reduce on the emissions. The outcomes of the project will include the implementation of effective waste-management policies and guidelines with operational regulations; capacity to design and develop biogas projects in South-Eastern Botswana; first best practice public-private partnership established; reduction in greenhouse gas emissions (direct and indirect) of 1.65 million tCO₂e; and increased incomes through the use of small-scale biogas and bio-fertilizer, especially for women.

The Project is implemented by Botswana Institute of Technology, Research and Innovation (BITRI) with United Nations Development Programme overseeing the quality assurance of the project.

The Small-sized biogas digesters range from 4-300 m³ and are operated by households, small-scale agro-business, and small-scale livestock producers with dairy and or beef, schools and other institutions;

Medium-sized biogas digesters range from 300-5,000 m³ and are operated by agro-industry in partnership with Councils and additional interested stakeholders;

The Biogas Project is seeking a local consultant to assist in collecting data and analyzing it to identify potential beneficiaries of small scale digesters for biogas production in South Eastern Botswana.

Once selected, the bidder will populate the developed matrix with information on the potential beneficiaries of the 1000 biogas digesters. This will be used to roll out the project target and diffuse the technology to ordinary Batswana.

Detailed Terms of Reference and instructions to bidders should be obtained from:

<http://procurement-notices.undp.org/>

2. SUBMISSION REQUIREMENTS

Proposals should be submitted in a sealed envelope clearly labeled: ***“Local Individual Consultant (IC) to Collect & Analyze Data for Production of 1000 Small Scale Biogas Digesters in South Eastern Botswana”*** and be submitted to:

The Resident Representative
United Nations Development Programme
P.O. Box 54
Gaborone, Botswana OR by email to procurement.bw@undp.org

3. SUBMISSION DATE

Proposals should be submitted to the address above no later than **12noon Botswana Time** on the **20th August 2018**

4. **REQUEST FOR CLARIFICATION:** Any request for clarification must be sent in writing, or by standard electronic communication to enquiries.bw@undp.org UNDP Botswana will respond in writing or by standard electronic mail and will send written copies of the response, including an explanation of the query without identifying the source of the inquiry to all prospective candidates.

NOTE: *Consultancy firms/companies interested in applying for this assignment are free to do so provided they submit a CV of only one qualified consultant and present its bid in a manner that would allow for evaluation of the bid in accordance with the evaluation criteria specified in these solicitation documents. That is, the experience required is that of the individual whose CV would have been submitted by the company rather than that of the company. In this regard, the company by submitting a CV is bidding as an individual bidder rather than a company/firm. Further, if the submitted bid wins, the ensuing contract will be between the UNDP and the company/firm, not the individual.*