**Promotion of waste to energy by domestic Biogas use in Gisagara District**

**Expected project CAPEX :** Tbd

**Mandating Authority :** Gisagara District

**Project Type :** Biogas

**Summary**

This project aims to promote the use of biogas energy in local homesteads in order to reduce the demand for firewood, thereby reducing pressure on forests. The Gisagara District has committed to disseminate 5,900 biogas plants in 13 sectors (District Development Plan 2013 – 2018).

**Location and population**

Gisagara District, Southern Province, Rwanda

337,318 inh.

**Social and environmental impact**

Improved livelihoods of the population due to the use of clean energy; reduction in respiratory diseases; reduced time for firewood collection; conservation of forest resources; and reduction of GHGs.

**Main stakeholders**

The Ministry of Infrastructure; Government through National Domestic Biogas Program.
**Project maturity** *(IFC / World Bank Categories)*

**STAGE 1 : Concept Development, Site identification**

**Expected capacity** *(Input - Output)*

Tbd

Land identified

N/A

Site access:

- ✓ Adequate road
- □ Rail access
- □ Port facilities

**Technology**: CANVAS

**Waste stream data**

Tbd

**STAGE 2 : Pre-Feasibility Studies**

**Pre-feasibility study**: N/A

**STAGE 3 : Feasibility Studies**

**Feasibility study**: N/A

**STAGE 4 : Permitting / Financing / Contracts**

- Land concession signed
  - N/A

- Building permits signed
  - N/A

- Environmental impact study
  - N/A

- Identified sources of fundings
  - Tbd

**STAGE 5 : Engineering / Construction / Commercial Operation**

**Engineering, Procurement and Construction Contractor**

N/A

**Operation and Maintenance Contractor**

N/A

**Comments**

In Gisagara District as well as the countrywide, the main energy source for cooking activities is firewood and charcoal. This leads to the intensive cutting of forests while the target of the country is 30% cover of forest by 2020 (Vision 2020).