Early Warning System

IFC-608420

Zambeef Biochar

Quick Facts

Countries	Zambia
Financial Institutions	International Finance Corporation (IFC)
Status	Approved
Bank Risk Rating	U
Borrower	Zambeef Products PLC
Sectors	Agriculture and Forestry, Energy, Technical Cooperation
Investment Type(s)	Advisory Services

Project Description

As stated by the IFC, in order to support the development of a manure-to-biochar pyrolysis plant (the Plant) for Zambeef Plc (the Sponsor), IFC and the Sponsor will jointly conduct a bankable feasibility study with focus on technical and commercial feasibility of the Plant, through which to facilitate an informative decision on the Plant investment.

The Plant aims to utilize livestock manure from the Sponsor's facilities to produce biochar that can be used internally as an organic fertilizer (or soil additive), bedding for its broiler/breeder operations or sold to generate an additional revenue stream. Building up the findings of the pre-feasibility study on the Plant, the feasibility study will take the following steps to develop the Project:
A. Manure/Feedstock Evaluation;
B. Analysis on Internal Use of Biochar;
C. Assess Market for the Sale of Biochar;
D. Electricity Generation Evaluation;
E. Technology Assessment;
F. Carbon Credits Assessment
G. High-level E&S Screening; and
H. Cost-benefit Analysis.

A project of this nature is 100% climate-related. It is potentially a solid solution to offset GHG emissions in the animal protein industry, particularly the beef industry, which has growing negative attention due to the GHG emissions associated with the industry. From July 2024, all IFC investments will need to be 100% Paris-aligned; therefore, projects of this nature can contribute to this objective.

Under this Upstream stage, IFC funding will contribute to a high-level E&S screening to screen for preliminary E&S risks of the proposed Biochar project and any associated facilities that are planned and budgeted. Some of the key risks to be considered at a minimum include E&S capacity of sponsor to effectively manage E&S risk and impacts, supply chain (child labour/forced labour, third party sourcing), occupational health and safety of personnel, effluent management, and animal welfare and husbandry.

Investment Description

- International Finance Corporation (IFC)

Investment information not provided at the time of disclosure.

Private Actors Description

As stated by Bloomberg, Zambeef Products plc provides feedlotting, poultry, dairy, cropping, slaughtering, wholesaling and retailing of meat products, and leather processing.

Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	ZAMBEEF PRODUCTS PLC	Client	Agriculture and Forestry

Contact Information

No project contacts provided at the time of disclosure.

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