



**CLEAN COOKING
MADAGASCAR**

Clean Cooking Madagascar: EMD

Call for quotations

Invitation to Propose for a 1,000 liter per day Ethanol Micro-Distillery (EMD) with Sugarcane Feedstock

Issued by:

Clean Cooking Madagascar
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This document invites ethanol distillery manufacturers to submit detailed quotations for the procurement of one ethanol micro distillery (EMD) capable of producing 1,000 liters per day of hydrous ethanol at 94 – 96.4% v/v based on sugarcane feedstock and of the goods and services associated.

Project Description

Clean Cooking Madagascar (CCM) is supporting a national Ethanol Stove Program in Madagascar. The program includes installation of a pilot EMD to serve as a proving and training facility that will encourage the installation of additional EMDs in Madagascar. CCM is representing Green Development in the support of the use of ethanol cook stoves.

The EMD will be a joint venture between Green Development AS and a local business implementing partner. CCM seeks to procure an EMD, on behalf of Green Development AS, with a production capacity of 1,000 liters per day. The distillery must be able to produce ethanol of hydrous or industrial grade quality at 94-96.4% v/v using sugarcane feedstock.



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Instructions to Bidders

In order to present the quotation for evaluation, the bidder must send the quotation via email with the following format:

To: Narimanana Vahinalamboavonjy at narim@madagascarethanolstoveprogram.org

Cc: Alex Milano at alex.k.milano@projectgaia.com

Subject: Quotation for EMD Madagascar 1,000 LPD

The final quotation must be received by **19th of September, 2017 before 17:00 Antananarivo time (UTC+3)**.

The quotation must be received as a PDF file attached to the email. Quotations received after the deadline will not be considered. The bidder will receive confirmation of receipt of the quotation within 3 working days of its receipt.

If you have any questions regarding this call for quotations or the bidding documents, please send an email to narim@madagascarethanolstoveprogram.org putting in copy alex.k.milano@projectgaia.com

Project Specifications

Ethanol will be used for stove fuel and must be low in impurities, especially fusel oils and other higher-order alcohols.

Price is essential and low-cost solutions will be prioritized as these has the greatest scope for being replicated by local entities in Madagascar.

The quotation might be proposed as a turnkey package or alternative a quotation where certain components and services are excluded. If certain components and services are to be excluded from the quotation, then the bidder should assist CCM in quality assurance for such services and components to be provided locally in Madagascar. Each of the components that might be excluded from the quotation, but which would be required in a turnkey solution, must be specified in the quotation.

CCM encourage that bidders base their quotation on the assumption that part of the turn key solution could be provided locally in Madagascar to reduce total cost of the distillery.

Recommendations of cost-cutting alternatives will be appreciated.