



CLEAN COOKING MADAGASCAR

Clean Cooking Madagascar EMD

Evaluation Criteria

This document provides the evaluation criteria that will be used for the selection of the contractor for the design and construction of a 2,000 up to 5,000 liter per day ethanol micro distillery (EMD). These criteria are provided together with the other bidding documents (Call for Quotations and Template for Quotations). This document must be considered as an attachment to the Call for Quotations, wherein the bidder can find detailed information about the project and the equipment required.

Given the large production capacity range for the distillery, suppliers may submit two quotations if they wish, one for the larger and one for the smaller distillery. If suppliers choose to submit two quotations, they must submit two separate bidding documents.

The distillery will produce fuel for ethanol cooking stoves only. The buyer (purchaser) will expand ethanol cookstove projects using financing from carbon credits. The goal of the buyer is to create the opportunity for the construction of a large number of ethanol micro distilleries. This Call for Quotations is for the first such distillery, which will be set up by the buyer. If the supplied micro distillery operates successfully, the buyer will purchase and/or support the purchase of additional distilleries during the next several years. These distilleries will be installed in Madagascar and in other African countries.

Quotations received for the design and construction of a 2,000 liter per day (minimum) to a 5,000 liter per day (maximum) ethanol micro distillery will be evaluated against the set of criteria specified in this document. Each criterion is graded with a mark from 1 to 5. The mark is multiplied by a weighting factor and the sum of all criteria provides a single value that will be used for the selection. The weighting factors reflect the relative importance that the buyer assigns to each criterion. The document will outline and explain the different criteria and provide a table with weighting factors and maximum marks achievable.

Please note: The EMD project is a development project with a limited budget. If the highest ranked quotation identified through the evaluation criteria presented in this document exceeds the maximum project budget for the procurement, the quotation with the highest rating within the project budget will be selected. Nevertheless, the buyer guarantees a transparent selection. This budgetary constraint will be applied only in the event that the quotation selected through the application of the criteria exceeds the maximum budget available for the procurement.

Please find below the list of criteria to be used for ranking proposals:

Criterion 1: Submitted price (Mark: 1 to 5; Weight: 4)

The submitted price is the price expressed in the quotation for the supply of the goods and services required, to be provided in the format and through the specifications outlined in the bidding documents. The price should be considered reasonable within the scope of the project budget, discussed in further detail in the bidding documents and include technical services as well as the product/technology.

Criterion 2: Technical robustness (Mark: 1 to 5; Weight: 5)

This is to measure the technical soundness of the quotation. In order to obtain a high mark for this criterion, the bidder must outline clearly the production process, dividing it into different steps, identifying inputs and outputs for each step and drawing process schemas, and providing detailed technical specifications for each component required by the bidding documents.

Criterion 3: Reliability and expertise of the manufacturer (Mark: 1 to 5; Weight: 3)

This criterion will measure the expertise and capacity of the bidder to provide the kind of equipment required. Particular attention will be paid to previous experience with small and micro scale distilleries and projects already undertaken in developing countries. The scoring for this criterion will be assigned based upon the information and the references provided in the relevant paragraph of the quotation, as proposed for in the bidding documents, as well as on the purchaser's due diligence review of this information.

Criterion 4: Energy saving measures (Mark: 1 to 5; Weight: 2)

Project location (....., Madagascar) can create challenges in terms of energy supply. This criterion will measure the capacity of the bidder to provide the required amount of bio-ethanol per day with the lowest possible energy demand. Particular attention will be paid to energy saving measures, fuel and technology for thermal energy supply, and average electric power demand. The scoring for this criterion will be assigned according to the information provided in the relevant paragraph of the quotation, as proposed in the bidding documents.

Criterion 5: Water saving measures (Mark: 1 to 5; Weight: 1)

Project location (....., Madagascar) can create challenges in terms of water supply. This criterion seeks to measure the bidder's ability to offer a plant that will provide the required amount of bio-ethanol per day with the lowest possible water demand. Particular attention will be paid to water saving measures, demand and technology for waste water treatment and average water demand. The scoring for this criterion will be assigned according to the information provided in the relevant paragraph of the quotation, as proposed in the bidding documents.

Criterion 6: Waste water treatment (Mark: 1 to 5; Weight: 1)

The EMD is expected to have a waste water treatment system integrated into the plant that meets local and international standards. This criterion will evaluate the proposed waste treatment plan by its

technology and effectiveness, as well as by applying the criteria in this list, for cost, robustness, ease of operation, energy efficiency, water use, etc. The scoring for this criterion will be assigned according to the information provided in the relevant paragraph of the quotation.

Criterion 7: Process simplicity, training and technical support (Mark: 1 to 5; Weight: 2)

The ability to run the plant with personnel with limited previous technical experience will be considered an asset. The knowledge and skills required to run the plant must be conveyed to the local staff by the bidder through intensive training to be undertaken before plant start-up. After that, warranties on equipment and technical support during operation are to be provided by the bidder. The bidder's plan for remaining engaged with the plant after commissioning will be considered. This criterion will measure the strength of the bidder's proposal in these three areas, namely simplicity, training and warranties. The scoring for this criterion will be assigned according to the information provided in the relevant paragraph of the quotation, as provided in the bidding documents.

Criterion 8: Flexibility to the local environment (Mark: 1 to 5; Weight: 2)

Project location (....., Madagascar) requires the process to be flexible. The yeast necessary for fermentation or the chemicals required for waste water treatment may not be available in the country or may be available only sporadically. Energy and water supply may suffer interruptions during the production process. This criterion will evaluate the flexibility and adaptability of the process to the local environment. The scoring for this criterion will be assigned according to the information provided in the relevant paragraph of the quotation, as provided for in the bidding documents.

Summarizing table with the weighting factors:

N°	Criterion	Mark	Weighting Factor	Maximum grade
1	Submitted price	1 to 5	4	20
2	Technical robustness	1 to 5	5	25
3	Reliability and expertise of the manufacturer	1 to 5	3	15
4	Energy saving measures	1 to 5	2	10
5	Water saving measures	1 to 5	1	5
6	Waste water treatment	1 to 5	1	5
7	Process simplicity, training and technical support	1 to 5	2	10
8	Flexibility to the local environment	1 to 5	2	10
Total		-	-	100

The purpose of the application of these criteria is to get to a single value, which expresses Clean Cooking Madagascar's overall evaluation of the proposal. Through these values, a final ranking of all of the proposals received will be created and the bidder for the highest ranking proposal in the list will be selected to provide the goods and services required. As previously stated, the only limitation to this procedure is the project budget; if the highest ranked proposal exceeds the maximum project budget for the procurement, the next highest ranked quotation within the project budget will be selected.