



UNFCCC Secretariat
Martin-Luther-King-Strasse 8
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Germany

Att: CDM Executive Board

Your ref.:
CDM Ref 1092

Date:
23 August 2007

**Response to request for review
"GEEA-SBS Biomass Treatment Project in Alegrete, Rio Grande do Sul,
Brazil" (Ref. no. 1092)**

Dear Members of the CDM Executive Board,

We refer to the requests for review raised by Board members concerning the request for registration of the "GEEA-SBS Biomass Treatment Project in Alegrete, Rio Grande do Sul, Brazil" (Ref. no. 1092).

Mitsubishi UFJ Securities (MUS) would like to provide the responses to the four questions raised by requests for review as below:

1. Further explanation is required on how the electricity used to power the project activity is calculated.

The estimation of electricity consumption was based on the power requirement of each piece of equipment that will be installed and their respective usage factor. The equipments will be divided into four groups with an installed power consumption of 0.67MW in total. This value is then multiplied by the operation rate, which is in average 0.64. An energy management controller will be installed to optimize the use of the equipments, especially motors, thus leading to energy saving of 30%.

The estimation was as following:

$0.67 \text{ MW} * 0.64 \text{ (operation rate)} * 0.7 \text{ (energy saving factor achieved by using an management controller)} = 0.3\text{MW}$

$0.3 \text{ MW} * 24\text{h/d} * 330 \text{ d/y of expected operation time} = 2,376 \text{ MWh/year}$

2. In the spreadsheet of appendix 2 of the PDD, the daily amount of biomass is 168t. However, the capacity of the husk treatment reactor is 90 t/d and the boiler is 66 t/d. Clarification is required.

The amount of husk used daily is given at the table below. The PDD was amended to include the daily amount used in each equipment.

Equipment	Daily amount (ton/day)
Husk treatment reactor	90
Boiler	66
Hot air generator	12
Total	168

3. How the measurement of biomass supplied by the Pilecco Rice Mill using a flow meter will be converted into mass units so that the total biomass supplied to the project activity can be calculated should be clarified. The amount of rice husks used in the project activity will be measured by a scale. The reason for this and the procedure to be followed if there are differing amounts should be clarified.

As correctly pointed out, the amount of the rice husks used in the project activity will use a scale for its measurement. The current version of the PDD removes the notion of 'flow meter'.

4. The monitoring plan does not include the annual evaluation of whether there is a surplus of biomass in the region and any leakage that may need to be estimated and deducted from the emission reductions in accordance with the Board's "General guidance on leakage in biomass project activities (Ver.2)"

The project was developed in a way that rice husks generated in a radius of 300 km can be economically transported to the project site. We are attaching the list of surplus rice husk generation that currently is landfilled in several municipalities of the region. The data was provided to the project developer by the rice processing industry associations. The evaluation of surplus biomass was incorporated into the document called "Annex 8". The project developer will monitor annual surplus biomass in the region in order to indicate that the project does not have leakage.

The above comments will be reflected in the PDD.



We hope that the Board accepts the above explanations and we look forward to the registration of the project activity.

Yours faithfully

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Clean Energy Finance Committee
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Enclosures:

- Biomass surplus analysis