 <p align="center">CDM: Form for Submissions on Small Scale Methodologies and Procedures (version 03) <i>(To be used for presenting questions/proposals/amendments related to the simplified methodologies for small-scale CDM project activity categories)</i></p>	
Name:	Niroj Kumar Mohanty Institution: Core CarbonX Solutions Pvt Ltd
Affiliation ¹ :	<input type="checkbox"/> DNA <input type="checkbox"/> DOE <input type="checkbox"/> PP <input checked="" type="checkbox"/> Stakeholder
Title/Subject (max. 200 characters):	Clarification on starting date of a project activity which has been recommenced
Purpose of the submission:	<input checked="" type="checkbox"/> Query on an approved SSC methodology or small scale procedures ² (Fill in field 1. below) <input type="checkbox"/> Request for Revision of an approved SSC methodology (Fill in fields 2. and 3. below) <input type="checkbox"/> Proposal for a new SSC methodology (Fill in fields 4. and 5. below)
Approved SSC methodologies ² to which your submission relates to, if applicable.	AMS I C
Contact Information (e-mail addresses to which the answers are to be delivered and phone contacts for possible dialogue on the submission).	Niroj Kumar Mohanty Core CarbonX Solutions Pvt Ltd Hyderabad, India Email: nmohanty@corecarbonx.com Phone: +91-40-23410367, +91-9908387772
Information for completing the form Describe the questions related to the SSC Methodologies, Modalities and Procedures below. If the questions are related to a project under development or implementation, you may describe the context in which they arose.	
<p align="center">Query on an approved SSC methodology or SSC procedures</p>	
1. If you have questions relating to the application of an approved small-scale methodology (AMS) please specify and provide reference to the exact technology/measure below. If you have questions related to procedures for SSC project activities please clarify below:	

¹ Designated National Authority (DNA); Designated Operational Entity (DOE); Project Participant (PP), and Stakeholder.

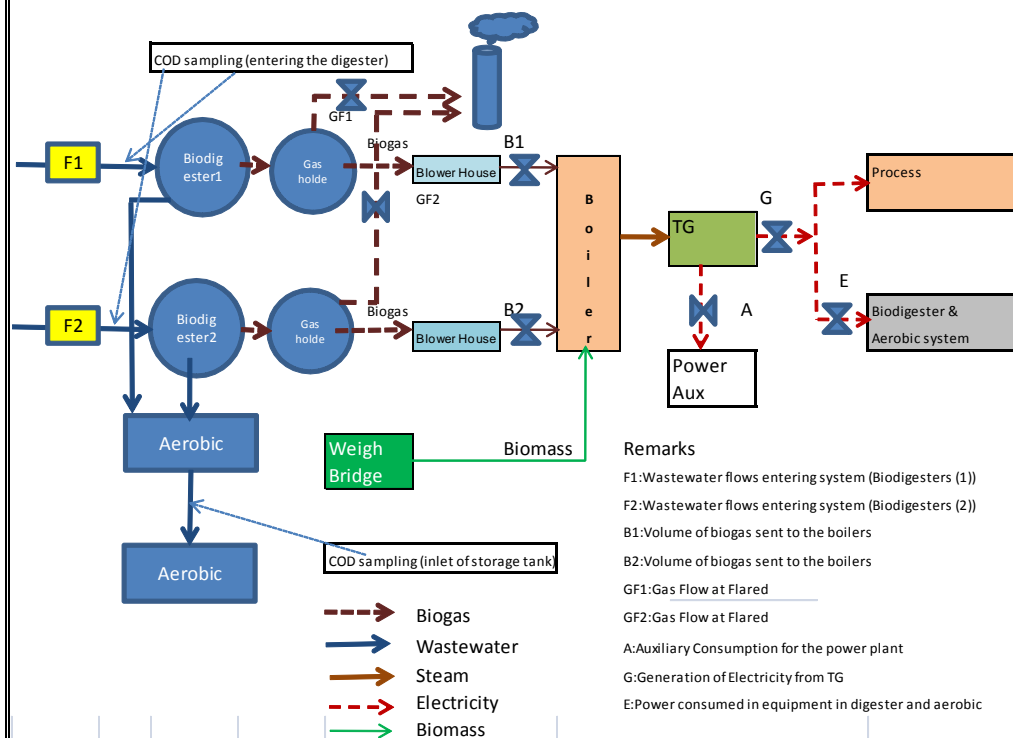
² The list of all approved small-scale methodologies (AMS) can be found at <http://cdm.unfccc.int> and go to CDM: small scale CDM methodologies.

The project activity is a new captive cogeneration project activity which uses biogas and bagasse for steam and electricity generation. The project is generating simultaneously thermal energy and electrical energy in one process as per the requirement of paragraph 2 of AMS I C version 17. Thus; it is eligible as a Cogeneration project.

The project proponent has established a new distillery facility. It has installed a Biomethanation unit (biodigester) based on Mixed Tank Reactor Technology to treat the liquid effluent and capture the biogas generated from the treatment of the liquid effluent from the new distillery facility. The project proponent would use the biogas captured from the biomethanation plant in the 30 TPH boiler of Thermax for steam generation. The boiler generates steam at pressure of 65 Kg/cm² pressure and temperature of 480 +/- 5 DegC. The same steam is/will be used in the 3 MW back pressure turbine of Petagon Turbines (P) Ltd for electricity generation. The electricity generated from the turbine is supplied for captive power requirement of the distillery unit. The project proponent also extracts the steam from the turbine at the pressure of 3.54 Kg/cm². The extraction steam is being /will be used to meet the process steam requirements of the distillery facility.

The biogas that is generated at the facility can only meet 30% of the total fuel input requirements for steam and electricity generation. The emission reduction associated with biogas used is not being claimed under the CDM project and it has not been taken up as a separate CDM project. The Project activity has been developed intending to use bagasse for the rest 70% fuel inputs into the boiler. This is/will be procured from the nearby sugar mills and is being /will be used as a supplementary fuel in the boiler along with the biogas for steam and electricity generation. In the absence of the project activity 70% of the fuel inputs into the boiler that is currently being fulfilled from bagasse would have been met by coal. Thus, the project activity displaces utilisation of coal for the 70% share of the total fuel input.

Project activity diagram (Greenfield project)



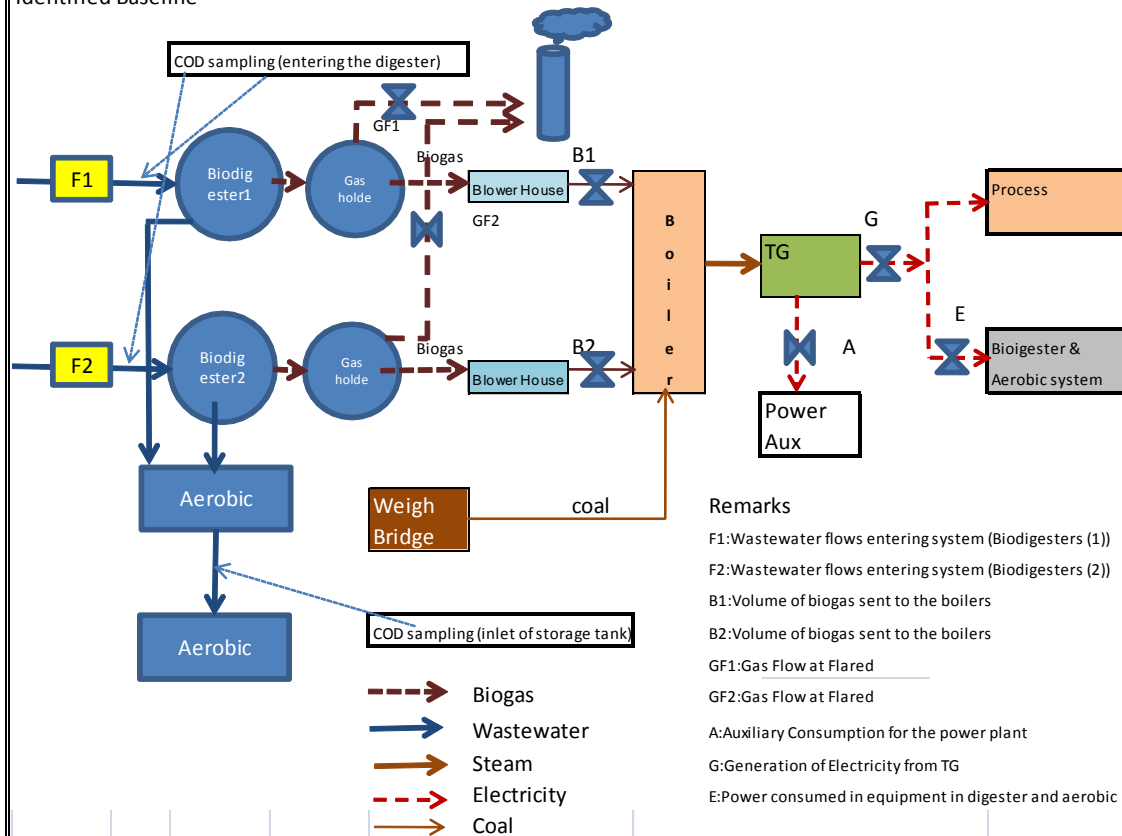
The distillery facility and project activity is a Greenfield project activity. Thus, there is no historical information available. This requires establishment of the most plausible energy supply sources in accordance with the guidance on Greenfield projects in the general guidance to SSC methodologies. Thus, the most plausible baseline scenario that has been identified is

- Coal would be cofired with biogas for steam and electricity generation. Coal would meet 70% of the total fuel inputs.

The above baseline option would have been constructed by the Project proponent in the absence of the CDM project. Coal would have been used with the biogas as a supplementary fuel for steam and electricity generation. The effluent will be treated in the biomethanation plant which will extract and capture the biogas.

Thus, the Project activity would have procured coal from the market and would have used in a new captive cogeneration project for steam and electricity generation.

Identified Baseline



The above chosen plausible baseline scenario matches with paragraph 15 scenario “(h) Electricity and/or thermal energy produced in a co-fired system” of the AMS I C , version 17. Scenario (h) requires baseline emission determination as per the paragraph 26 of AMS I C :For 15 (h), which states that “baseline emissions shall be determined based on three years average historical data on the relative share of fossil fuel and biomass in the baseline fuel mix. The relative share is determined based on the energy content of each fuel.”

However, the project activity mentioned is a new captive cogeneration project and three year historical data is not available for the baseline fuel mix determination. Thus, baseline fuel mix and cofire emission factor can't be calculated as required by paragraph 26 of AMS I C.

It is being assumed that the biogas generated from the biodigester would be used in the baseline as well project scenario. Thus, fuel inputs from biogas are not being used in the emission reductions. Biomethanation plant (biodigester) is not part of any other CDM project. Thus, the baseline fuel mix would constitute of biogas that is being generated in the project activity plus coal. The project activity is basically replacing utilisation of coal in the cogeneration plant for steam and electricity generation that would have been used in the absence of the project activity. Emission reduction is claimed for the displacement of coal by the bagasse.

Thus, clarification is sought whether baseline fuel mix can be determined without considering the approach mentioned in the paragraph 26 of AMS I C version 17 because the approach mentioned in the paragraph 26 is not suitable for a Greenfield project?

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Request for revision of an approved SSC methodology	
2. If you are proposing an amendment/revision to an approved small-scale methodology (AMS), please provide justifications below:	
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3. If you are proposing an amendment/revision to an approved small-scale methodology (AMS) please provide the draft methodology with changes highlighted.	
<p>The following documents have been attached to this form:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Draft methodology with changes highlighted in Word and PDF formats <input type="checkbox"/> PDD in PDF format (optional) <input type="checkbox"/> Additional information (please specify if you are providing any information note, published paper or a report in support of the request for revision of the SSC methodology) 	
Proposal for a new SSC methodology	
4. If you are proposing a new small scale methodology, please provide justifications below:	
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5. For submitting a new small scale methodology a filled in form "CDM: form for proposed new small scale methodologies (F-CDM-SSC-NM)" is required.	
<p>The following documents have been attached to this form:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Completely filled in form "CDM: form for proposed new small scale methodologies (F-CDM-SSC-NM)" in Word and PDF formats³ <input type="checkbox"/> A draft PDD (with sections A to C completed): <ul style="list-style-type: none"> <input type="checkbox"/> Relevant annexes to the PDD are provided <input type="checkbox"/> Additional information (please specify if you are providing any information note, published paper or a report in support of the new SSC methodology) 	
Date you are delivering the contribution:	23/09/2010
Information to be completed by the secretariat	
SSC-Submission number	

³ The current version of the form (F-CDM-SSC-NM) is available on the UNFCCC CDM website (<http://cdm.unfccc.int>).