



CDM: Recommendation Form for Small Scale Methodologies (version 01)
(To be used for presenting questions/proposals/amendments to the simplified methodologies for small-scale CDM project activity categories)

Date of SSC WG meeting:	15–18 March 2011, SSC WG 30
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Clarification on the baseline selection for a new cogeneration project activity applying AMS-I.C
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-I.C “Thermal energy production with or without electricity”
Name of the authors of the query:	Kishor Rathod Institution: ecolutions Carbon India Pvt.Ltd. kishor.rathod@ecolutions.de

Summary of the query:

Please use the space below to summarize the query related to SSC methodologies/categories SSC Modalities and Procedures provide recommendation/analysis of the SSC WG.

Original text from PP:

We would like to seek clarification on AMS-I.C, Version 18 regarding baseline selection for the project activity with the following description.

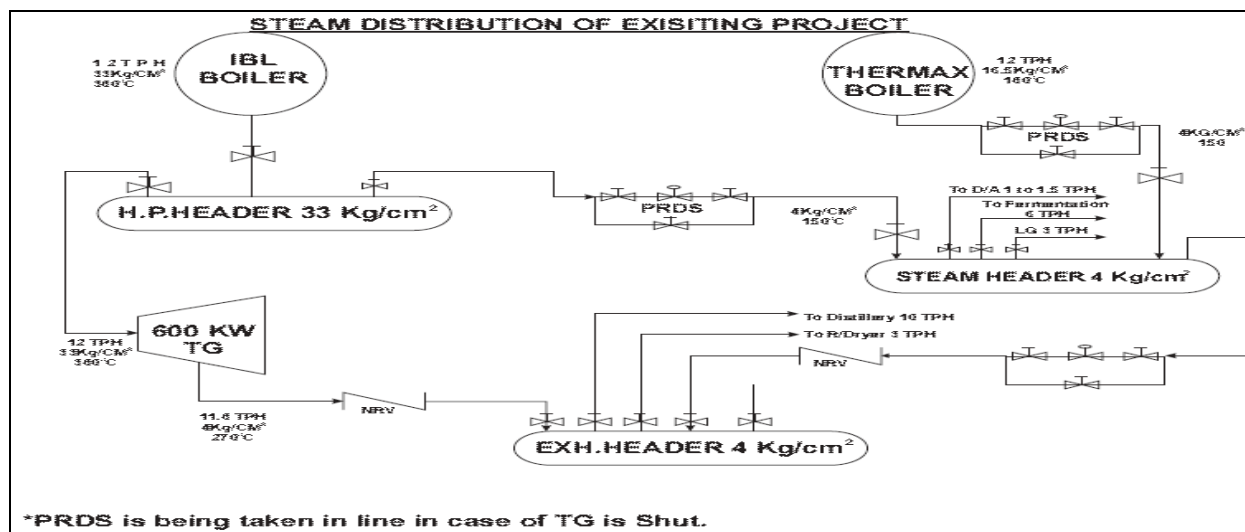
Description of the project activity:

The project activity is installation of new renewable biomass based cogeneration project to meet additional power/steam requirement of manufacturing facility. Detail explanation of pre- & post-project activity scenario is as follows-

Pre - project scenario:

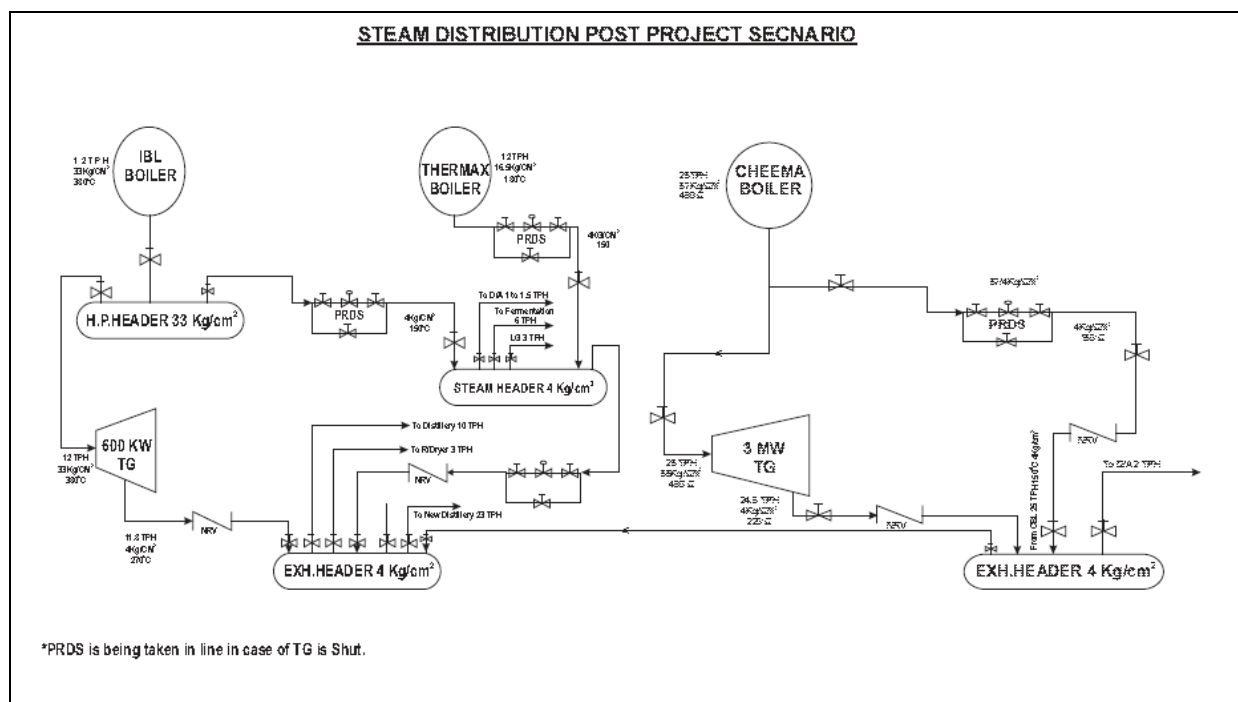
The manufacturing facility's thermal requirement is being met by biomass based boiler (2*12 TPH). The electricity demand is being met by the supply from the Grid & 600 KW biomass based captive cogeneration power plant or DG set (In case of PSEB power cuts).

Parameter	Source/Equipment	Operation / Specifications	Fuel	% Contribution in usage based on last 3 year data
Electricity	Grid	<u>(Continuous)</u>	Fossil fuel dominated	56%
	0.6 MW captive cogen. plant	1*0.60 MW <u>(Continuous)</u>	Biomass based	24%
	DG sets	4*0.320 MW <u>(Used during grid failure/power cuts)</u>	Diesel based	20%
Steam	Boilers	1*12 TPH @ 33 -kg/cm2	Biomass based	45%
		1*12 TPH @ 17 -kg/cm2	Biomass based	55%

Diagrammatic representation of pre-project scenario-Post - project scenario:

PP has expanded their manufacturing capacity, to meet additional power requirement PP has installed 3 MW biomass based cogeneration project which will meet additional power requirement of facility as well as replace existing grid usage (> 56 % total power usage). Detail post-project scenario is as follows-

Parameter	Source/Equipment	Operation / Specifications	Fuel	% Contribution in usage post project.
Electricity	Grid	<u>(Used on emergency/Stand by)</u>	Fossil fuel dominated	Negligible
	0.6 MW captive cogen. plant	1*0.60 MW <u>(Continuous)</u>	Biomass based	10-20 %
	DG sets	4*0.320 MW <u>(For emergency use)</u>	Diesel based	5-10%
	3.00 MW captive cogen. plant	<u>(Continuous)</u> 1*3.00 MW	Biomass based	70-85 %
Steam	Boilers	1*12 TPH @ 33 -kg/cm ²	Biomass based	25%
		1*12 TPH @ 17 -kg/cm ²	Biomass based	25%
		1*25 TPH @ 67 -kg/cm ²	Biomass based	50%

Diagrammatic representation of post-project scenario-

Electricity generated by the project activity will substitute/reduce the amount of electricity imported from the grid as compared to the baseline. Based on pre- & post project scenario project proponent wish to claim emission reduction only for electricity generation & no emission reduction will be claimed for thermal/steam energy utilisation.

Therefore, we would like to seek clarifications on following points-

1. Para 15 (e) of AMS I.C version 18 states that-

- (e) Electricity is imported from the grid and/or produced in an on-site captive power plant using fossil fuels (with a possibility of export to the grid); steam/heat is produced from biomass;

In our case –

- Electricity is imported from the grid and also produced in an on-site 0.6 MW captive power plant using biomass (and not fossil fuels with no possibility of export to the grid).
- Steam/heat is produced from biomass.

Hence, is Para 15 (e) of AMS I.C. version 18 applicable/ appropriate for our project activity?

If yes-

-Which equation is appropriate to estimate emission reductions-either para 20 or para 21

If not-

-Which baseline scenarios mentioned in Para 15 (a to h) of AMS I.C. version 18 is applicable/ appropriate for project activity described?

2. If Para 15 (e) of AMS I.C. version 18 is applicable/ appropriate for our project activity, we would

like to suggest a small amendment in para 15 (e) of AMS I.C version 18-which is highlighted below-

- (e) Electricity is imported from the grid and/or produced in an on-site captive power plant using fossil fuels and/ or biomass (with a possibility of export to the grid & grid import is more than captive generation using biomass based power plant); steam/heat is produced from biomass.

Recommendation by the SSC WG:

Please use the space below to provide amendments/change (in your expert view, if necessary).

Please refer to paragraph 31 of the meeting report of the SSC WG 30
<http://cdm.unfccc.int/Panels/ssc_wg>.

Answer to authors of query by the SSC WG:

Please use the space below to provide answer to the authors of the above query.

The small-scale working group of the CDM Executive Board would like to thank the author for the submission.

The SSC WG agreed to clarify that the current AMS-I.C does not cover the project activity. The project proponent may consider to submit a request for revision for a new baseline scenario in paragraph 15 (and the corresponding equations for baseline calculation), for example a combination of the existing baseline scenarios stipulated in paragraphs 15 (e) and 15 (g) with some modification.

Since the described project is not currently applicable under AMS-I.C, the group agreed that another query regarding baseline calculations pertaining to the paragraphs of AMS-I.C is not relevant.

Signed by the Chair, Ms. Fatou Gaye

Date: 18/03/2011

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 18/03/2011

Information to be completed by the secretariat

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