

 <p style="text-align: center;">CDM: Response form for Request for revision of approved methodologies (version 01.1)</p>	
<i>Date of Meth Panel meeting:</i>	21–25 June 2010
<i>Title and number of Request for revision</i>	The correction regarding the calculation of parameter EF for AM0062 AM_REV_0193
<p>Summary of the query:</p> <p>Please use the space below to summarize the request for revision on the related approved methodologies.</p> <p>AM0062 “Energy efficiency improvements of a power plant through retrofitting turbines” is applicable to project activities where steam turbines and gas turbines are retrofitted with component(s) of improved design for energy efficiency improvements in an existing fossil fuel power plant.</p> <p>The request for revision seeks to revise the methodology in following aspects.</p> <ol style="list-style-type: none"> (1) The equation 7 of the methodology is to be changed as mentioned in the request. The rationale has been provided for this change. (2) The project participants make the argument that the methodology is inconsistent in terms of quantity of electricity (net or gross) being used for calculation of various parameters. Following examples are quoted: <ol style="list-style-type: none"> (a) The baseline turbine efficiency and emission factor of turbines are calculated based on gross electricity generated. The other terms are inconsistent with this equations. Those are given below; (b) The EG_{Max} (Maximum annual quantity of electricity that could have been supplied to the electricity grid by the project activity turbine prior to the implementation of the project activity) is calculated based on gross capacity of electricity generation. This means that it does not take the auxiliary electricity used by the power plant into account; (c) There are changes suggested in the parameters EG_{Max}, EG_y and EG_{Avg} to reflect “gross generation of electricity”. 	
<p>Recommendation by the Meth Panel:</p> <p>(a) Please use the space below to provide amendments /changes (in your expert view, if necessary).</p> <p>The Meth Panel recommends to <u>approve</u> the request for revision <u>partly</u>.</p> <p>The Meth Panel agrees with the proposed change in the equation 7 of the methodology.</p> <p>The Meth Panel would like to clarify that the use of “gross” electricity generation for calculation of efficiency and emission factor of turbine is intentional. The efficiency and emission factors used in the methodology are for the turbine and not for the entire power plant and therefore the gross efficiency has to be taken into account.</p> <p>On the other hand, the different expressions for Electricity Generated (EG) can only consider net electricity supplied to the grid and not the “gross” electricity. This is because of the following reasons:</p> <ol style="list-style-type: none"> (1) Emission reductions are accounted only due to the lower emission factor of electricity that is supplied to the grid. This does not include possible emission reductions of the electricity that is used for auxiliary purposes; 	

(2) The methodology already considers any increase in the auxiliary fuel consumption of the project plant.

Therefore the Meth Panel does not agree with the changes suggested by project participants. The Meth Panel, however, agrees that editorial changes are necessary to clarify some of the terms. The changes have been implemented in the revised methodology.

(b) Please use the space below for providing guidance, as per Para 93 of EB25 Report, on what type of projects need to revise the PDD as a consequence of the suggested revision, if the recommendation is to revise the methodology.

The revision of equation 7 will have impact of the calculation of emission factor of baseline turbine.

Answer to authors of the request for revision by the Meth Panel :

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

See above.

Signed by the Chair, Mr. Lex de Jonge

Date: 25/06/2010

Signed by the Vice-Chair, Mr. Philip Gwage

Date: 25/06/2010

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0193
Name of the authors of the query:	CEC
Date when the form was received at UNFCCC secretariat	25 June 2010
Date of transmission to the EB	25 June 2010
Date of posting in the UNFCCC CDM web site	25 June 2010