



**CDM Proposed specific renewable technologies/  
measures recommendation form  
(Version 01.1)**

<b>Submitting DNA:</b>	Republic of Korea
<b>Title/version of the EB guideline/procedure this submission relates to:</b>	Demonstration of additionality of microscale project activities (version 07.0, Methodological tool);  Procedure for submission and consideration of microscale renewable energy technologies for automatic additionality (version 02.0)
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<b>Summary of the proposal:</b>	
<p>The DNA of the Republic of Korea had submitted that the CDM project activities employing some specific grid connected renewable energy technologies with capacity up to 5MW be considered additional based on the guideline for demonstrating additionality of microscale project activities on Jan 05, 2012. Technologies/measures recommended by DNAs and approved by the Board to be additional in the host country had remained valid for three years; however the validity expired by 11 March 2015.</p> <p>According to the tool for demonstrating additionality of microscale project activities (version 07) and procedure for submission and consideration of microscale renewable energy technologies for automatic additionality (version 02.0), the DNA of the Republic of Korea have submitted the submission form (Version 02.0) to recommend specific renewable technologies/measures.</p> <p>The recommended technologies for renewal include:</p> <ul style="list-style-type: none"> <li>• Hydro;</li> <li>• Wind;</li> <li>• Solar Photovoltaics;</li> <li>• Renewable Biomass;</li> <li>• Marine (Tidal, Wave and Ocean).</li> </ul>	
<b>Recommendation to EB:</b>	
<p>The Board at its sixty-third meeting specified three criteria to be satisfied by the DNA recommendations in order that automatic additionality is conferred to microscale renewable energy projects in the host country. The submission is assessed below against these criteria:</p> <p>(a) <i>Criteria 1: DNA submissions shall include the specific grid-connected renewable electricity generation technologies that are being recommended and provide the required data (e.g. wind power, biomass power, geothermal power, hydropower);</i></p> <p>The submission has provided segregated data per technology and is in accordance with the above requirement.</p> <p>(b) <i>Criteria 2: The most recent data available on the percentage contributions of specific renewable energy technologies shall be provided to demonstrate compliance with the 3 per cent threshold. Data older than three years from the date of the submission shall in no case be used.</i></p> <p>The submission has provided the most recent data available, from 2013. This has been cross-checked with the most recent data available in IEA/OECD Energy Statistics, 2015. It is considered that the above requirement is met, based on the information in the submission.</p>	

- (c) *Criteria 3: the ratio of installed capacity of the specific grid connected renewable energy technology in the total installed grid-connected power generation capacity in the host country shall be equal to or less than 3 per cent; "specific renewable energy technologies/measure" refers to grid-connected renewable energy technologies of installed capacity equal to or less than 5 MW. Total installed capacity of ALL grid-connected technologies in the country according to the latest available data in the reference year was 92,145 MW.*
- a. Hydro: The total installed capacity of hydro plants of less than 5 MW was reported to be **208 MW** resulting in a ratio of **0.226%** in the reference year. This calculated ratio is under three per cent and thus, it is considered that the requirement for hydro technologies (i.e. under three per cent) has been met;
  - b. Wind (on-shore): the aggregate plant capacity of all grid connected total wind turbine installations in the country was reported to be **52 MW** resulting in a ratio of **0.056%** in the reference year. It is considered that the requirement for wind technologies (i.e. under three per cent) has been met;
  - c. Renewable Biomass: the aggregate plant capacity of all renewable biomass technologies equal to or less than 5MW was reported to be **163 MW** resulting in a ratio of **0.068%** in the reference year. It is considered that the requirement for renewable biomass technologies (i.e. under three per cent) has been met.

The reported data and calculations provided by DNA of Korea is in accordance with the requirement stipulated in paragraph 8 of "Procedure for submission and consideration of microscale renewable energy technologies for automatic additionality". The data/information and calculations also have been verified by reviewing the following reports: New & Renewable Energy Supply Statistics (2013, Korea Energy Agency) and IEA/OECD Energy Statistics, 2015.

It is noted that a call for public input was open from **07 April 2016 to 20 April 2016** as per the "Procedure for submission and consideration of microscale renewable energy technologies for automatic additionality" and no comments were received.

### Recommendation to the Board

The following grid connected microscale renewable energy technologies of a capacity equal to or less than 5 MW, recommended by the DNA of the Republic of Korea following the "Procedure for submission and consideration of microscale renewable energy technologies for automatic additionality" ( version 2.0) and the Methodological Tool " Demonstration of additionality of microscale project activities" (version 07.0) , may be considered by the Board as eligible for conferring automatic additionality in the host country:

- Hydro;
- Onshore Wind;
- Renewable Biomass (Biogas, Wood/Wood Wastes/Other Solid Wastes).

The approved specific renewable technologies/measures are applicable as conferring automatic additionality only to the microscale CDM project activities implemented in the country for which the DNA submitted the proposal, and are valid for three years from the date of approval by the Board.

The following electricity generation technologies with an installed capacity up to 15 MW are already included in the positive list of grid-connected renewable electricity generation technologies that are automatically defined as additional<sup>1</sup>:

- (a) Solar technologies (photovoltaic and solar thermal electricity generation);
- (b) Off-shore wind technologies;
- (c) Marine technologies (wave, tidal); and
- (d) Building and household rooftop wind turbines up to 100 kW.

Therefore, these technologies do not need to be recommended under the scope of these tools.

<sup>1</sup> See Tool for Demonstration of additionality of small-scale project activities  
[https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-21-v1.pdf/history\\_view](https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-21-v1.pdf/history_view).

SECTION TO BE FILLED IN BY THE UNFCCC SECRETARIAT	
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#### History of the document

Version	Date	Nature of revision(s)
01.1	12 April 2012	Editorial changes to include new logo and other improvements.
01.0	13 January 2012	Initial publication.
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