Technical assessment of DNA submissions on
"Guidelines for the demonstration of additionality of microscale project activities"

Background

1. The SSC WG at its thirty-fourth meeting assessed one submission received from the DNAs (see Annex 7 of the thirty-second and thirty-third meeting reports of the SSC WG for the previous technical assessments). This document contains the assessment of submissions received from the DNA of Korea Republic.

Assessment

2. The Korean DNA requests as per "Guidelines for demonstrating additionality for microscale projects (Version 02)"[1] that all renewable energy technology/measures based on Hydro, Wind, Solar PV, Solar Thermal, Renewable Biomass (includes biogas, biofuels, renewable waste, gasification technologies), Geo-thermal, Ocean, Tidal and wave technologies be considered additional in the host country. The Korean DNA indicated (see the table below) that since 2009 the contribution of all renewable energy technologies is less than or equal to 5% of national annual electricity generation.

Table 1. Percentage share of renewable energy technologies in national annual grid electricity generation

Hydro[2]	Wind	Solar thermal	Solar PV	Renewable Biomass	Tidal/ Wave/Ocean	Geothermal
1.86	0.15	0.00	0.12	0.13	0.00	0.00

Source: DNA submission.

3. On the basis of data submitted by DNA, the submission is in compliance with the requirements of EB 62, paragraph 42 (c) and (e), i.e. the submission includes most recent available data on the percentage of contributions of specific renewable energy technologies to demonstrate compliance with the 5 per cent threshold. The SSC WG also found that the data reported are consistent with International Energy Agency data[3]. The group concludes that the submission is deemed to be technically valid in accordance with version 2 of the guidelines.

4. The SSC WG has also further conducted the technical analysis of this submission based on the recent guidelines provided by the Board at its sixty-third meeting, see Annex 23 "Guidelines for demonstrating additionality for microscale projects (Version 03)"making assumptions on the utilisation rates as indicated in annex 6 to the thirty third meeting report of the SSC WG. Table 2 illustrates that 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 is equal to or less than 3 per cent.

[1] Please note that EB 63 revised the guideline including the threshold criteria. (See Annex 23 of the EB 63 meeting report). Accordingly, the applicable threshold shall be a maximum of 3 per cent, determined as the ratio of installed capacity of the specific grid-connected renewable energy technology in the total grid-connected installed capacity in the host country.

[2] Including pump storage.

[3] IEA.2011. Energy Balances of OECD Countries, International Energy Agency, Paris.

Table 2. Percentage share of renewable energy technologies in installed capacity of grid connected electricity generation technologies

Hydro (%)	Wind	Solar thermal	Solar PV	Renewable Biomass	Tidal/Wave /Ocean	Geothermal
1.31	0.46	0.00	1.10	0.15	0.00	0.00

Source: Estimated based on IEA (2011)[3]

5. Therefore the SSC WG concluded that on the basis of data submitted and the assumption made by the SSC WG on the utilization rates, the DNA's request is technically valid under the threshold requirements stipulated in both version 02 and version 03 of the guideline. The DNA may be requested to submit information on respective installed capacities of renewable energy technologies to confirm the validity of Table 2 calculations.

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