CLEAN DEVELOPMENT MECHANISM

ASB0008

Standardized baseline

Methane emissions from rice cultivation in the Republic of the Philippines

Version 01.0

United Nations
Framework Convention on
Climate Change

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1. Introduction

1. This standardized baseline provides the values of the baseline emission factors for methane emissions from rice cultivation in the Philippines.

2. Scope, applicability, and entry into force

2.1. Scope

2. The scope of the standardized baseline is rice cultivation in the agriculture sector in the Republic of the Philippines.

2.2. Applicability

3. This standardized baseline is applicable to the clean development mechanism (CDM) projects in the Republic of the Philippines.

4. In addition to the applicability conditions described in version 04.0 of small-scale methodology AMS-III.AU "Methane emission reduction by adjusted water management practice in rice cultivation", the following conditions shall apply:

   (a) The standardized baseline is applicable to the CDM projects that aim to change the water regime from continuously to intermittent flooded conditions in single aeration or multiple aeration in the following types of rice fields in the Philippines that use rice straw on season as an organic amendment:

      (i) Irrigated rice fields that are continuously flooded on-season and where single cropping is practiced;

      (ii) Irrigated rice fields that are continuously flooded on-season and where double cropping is practiced;

   (b) The baseline applies to transplanted rice farms that change the water regime during the cultivation period from continuous to intermittent flooded conditions/alternating wetting and drying (single aeration and multiple aeration).

2.3. Entry into force

5. Immediately upon adoption of the standardized baseline by the CDM Executive Board on 20 February 2015.

2.4. Validity of this standardized baseline

6. The values are valid for three years from the date of adoption of standardized baseline by the CDM Executive Board.

7. The standardized baseline should be updated with renewed standardized parameter values only if new research data has become available, as per the applicable procedures using the latest approved version of the methodology.

3. Normative references

8. This standardized baseline is based on the proposed new standardized baseline PSB0019 “Methane emissions from rice cultivation in the Republic of the Philippines” submitted by the designated national authority (DNA) of the Philippines.

9. For more information regarding the proposed new standardized baseline as well as their consideration by the CDM Executive Board please refer to <http://cdm.unfccc.int/methodologies/standard_base/index.html>.

10. This standardized baseline is derived from and used in conjunction with the version 4.0 of the small-scale methodology AMS-III.AU “Methane emission reduction by adjusted water management practice in rice cultivation”.

4. Definitions

11. The definitions contained in the Glossary of CDM terms shall apply.

12. The definitions contained in version 04.0 of AMS-III.AU “Methane emission reduction by adjusted water management practice in rice cultivation” shall apply.

5. Parameters, values and additionality criterion

13. The project activities which change the water regime from continuously to intermittent flooded conditions are deemed automatically additional in the case of the Philippines, provided that the users of the technology/measure are farmers and the resulting emission reductions of each user is not larger than 3,000 tCO_2/year (i.e. 5 per cent of the Type III small-scale CDM thresholds) as per the “Guidelines on the demonstration of additionality of small-scale project activities”.

14. This standardized baseline provides values for the parameter $EF_{BL,c}$ titled “baseline emission factor for continuously flooded fields without organic amendments” ($kgCH_4$/ha/day or $kgCH_4$/ha/season).

Table. Specific emission factors for baseline ($kgCH_4$/ha/season) for Dry Season

	$EF_{BL,c}$	Baseline			
		$SF_{BL,w}$	$SF_{BL,p}$	$SF_{BL,o}$	Emission factor (EF_{BL})
For regions where double cropping is practiced	171.40	1.00	*1.00*	2.88	493.63
For regions where single cropping is practiced	171.40	1.00	0.68	1.70	198.14

Table 1. Specific emission factors for baseline (kgCH_4/ha/season) for Wet Season

	$EF_{BL,c}$	Baseline			
		$SF_{BL,w}$	$SF_{BL,p}$	$SF_{BL,o}$	Emission factor (EF_{BL})
For regions where double cropping is practiced	297.42	1.00	1.00	2.88	856.56
For regions where single cropping is practiced	297.42	1.00	0.68	1.70	343.81

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