

JCM Proposed Methodology Form

Cover sheet of the Proposed Methodology Form

Form for submitting the proposed methodology

Host Country	Socialist Republic of Vietnam
Name of the methodology proponents submitting this form	JCM Implementation Agency (JCMA)
Sectoral scope(s) to which the Proposed Methodology applies	1. Energy industries (renewable- / non-renewable sources)
Title of the proposed methodology, and version number	Installation of wind power generation system, ver1.0
List of documents to be attached to this form (please check):	☐ The attached draft JCM-PDD: ☒ Additional information
Date of completion	28/08/2026

History of the proposed methodology

Version	Socialist Republic of Vietnam	Contents revised
01.0	28/08/2026	First Edition

A. Title of the methodology

Installation of wind power generation system, ver1.0

B. Terms and definitions

Terms	Definitions
Wind power generation system	A power generation system that converts kinetic energy of wind into electricity using wind turbines and consists of e.g. a bladed rotor attached to a nacelle, a generator, and a gearbox. These systems are classified into onshore and offshore installations (the latter includes those on lakes). Offshore wind energy systems can be further categorized into bottom-fixed types and floating types, each designed to optimize energy capture in different marine environments.

C. Summary of the methodology

Items	Summary
<i>GHG emission reduction measures</i>	Displacement of grid electricity by installation and operation of the wind power generation system(s).
<i>Calculation of reference emissions</i>	Reference emissions are calculated with net quantity of electricity supplied from project wind power generation system(s) to the grid multiplied by reference CO ₂ emission factor (identified conservatively) for the displaced grid electricity.
<i>Calculation of project emissions</i>	Project emissions are the emissions from the wind power generation system(s), which are assumed to be zero.
<i>Monitoring parameters</i>	Net amount of electricity supplied from project wind power generation system(s) to the grid.

D. Eligibility criteria

This methodology is applicable to projects that satisfy all of the following criteria.

Criterion 1	The project newly installs wind power generation system(s).
Criterion 2	The wind power generation system is connected to the grid for displacing grid electricity.
Criterion 3	The project wind turbines are certified according to relevant standards for specifications and/or technical requirements with regard to their safety, reliability and performance (e.g. IEC 61400-22).

E. Emission Sources and GHG types

Reference emissions	
Emission sources	GHG types
Consumption of grid electricity	CO ₂
Project emissions	
Emission sources	GHG types
Generation of electricity from project wind power generation system(s)	N/A

F. Establishment and calculation of reference emissions

F.1. Establishment of reference emissions

The reference grid emission factor established in the approved JCM methodology VN_AM007, which is 0.333 tCO₂/MWh, is more conservative than a reference emission factor set taking into account Viet Nam's updated 2022 NDC reduction target.

In order to ensure consistency and conservativeness, the fixed value of 0.333 tCO₂/MWh as defined in VN_AM007 Ver01.0 is applied as the reference CO₂ emission factor in this methodology.

F.2. Calculation of reference emissions

$$RE_p = \sum_i (ES_{elec,i,p} \times EF_{elec,RE})$$

RE_p Reference emissions during the period p [tCO₂/p]

$ES_{elec,i,p}$	Net amount of electricity supplied from project wind power generation system(s) i to the grid during the period p [MWh/p]
$EF_{elec,RE}$	Reference CO ₂ emission factor for the displaced grid electricity [tCO ₂ /MWh]
i	Identification number of project wind power system(s) [-]

G. Calculation of project emissions

$PE_p = 0$	
PE_p	Project emissions during the period p [tCO ₂ /p]

H. Calculation of emissions reductions

$ER_p = RE_p - PE_p$	
ER_p	Emission reductions during the period p [tCO ₂ /p]
RE_p	Reference emissions during the period p [tCO ₂ /p]
PE_p	Project emissions during the period p [tCO ₂ /p]

I. Data and parameters fixed *ex ante*

The source of each data and parameter fixed *ex ante* is listed as below.

Parameter	Description of data	Source
$EF_{elec,RE}$	Reference CO ₂ emission factor for the displaced grid electricity The reference grid emission factor of 0.333 tCO ₂ /MWh established in the approved JCM methodology VN_AM007 is applied.	Additional Information