

Forum on Promoting Article 6 Business Engagement and Matching through  
the Joint Crediting Mechanism (JCM) in Thailand

# How to register projects of the JCM track under Premium T-VER – Key requirements and processes



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Technical Officer of Carbon Credit Certification Office  
Thailand Greenhouse Gas Management Organization



Wednesday, 17 December 2025



09:00-17:00 (Bangkok time)



Pullman Bangkok King Power



# Implementation of JCM in Thailand



**MoC  
Signing Ceremony**

**19 Nov 2015**



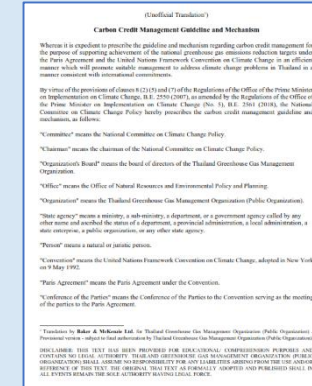
**Extension of  
MoC**

**4 Nov 2016**

## Adoption of A6.2 Guidance

- ITMOs
- Corresponding adjustment
- Reporting to UNFCCC

**13 Nov 2021**



## Carbon Credit Management Guideline and Mechanism

**16 Mar 2022**



**New MoC\*  
Signing Ceremony**

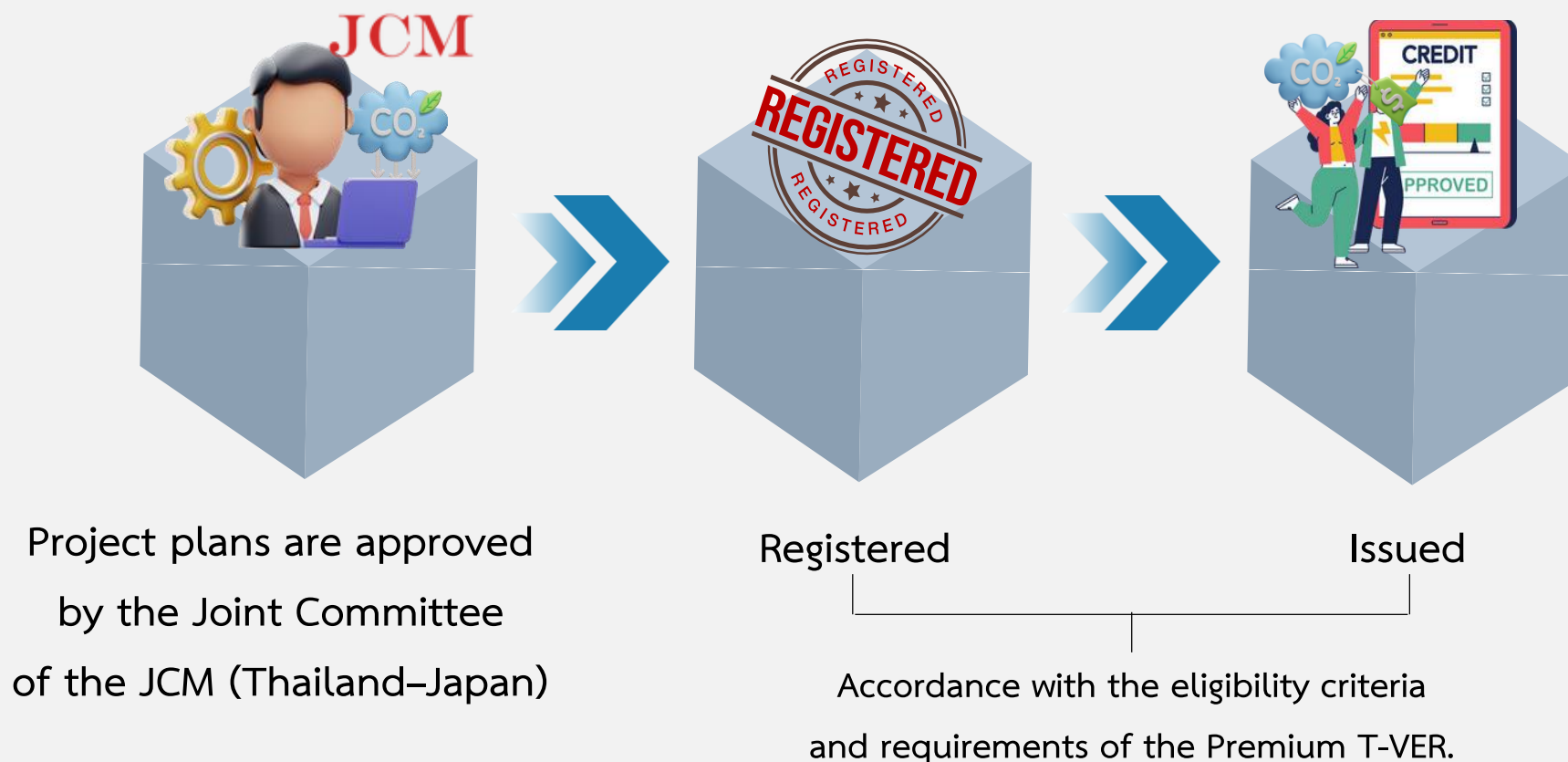
**8 Jul 2024**

**MoC: Memorandum of Cooperation on JCM** Source: <https://ghgreduction.tgo.or.th/th/download-jcm/73-2017-11-28-15-33-05.html?start=12>

**A6.2: Article 6 paragraph 2 of the Paris Agreement** Source: <https://unfccc.int/process/the-paris-agreement/cooperative-implementation>

# What is the JCM under Premium T-VER

JCM under the Premium T-VER: refers to a greenhouse gas reduction project implemented under the Joint Crediting Mechanism (JCM) that is registered and issued carbon credits in accordance with the eligibility criteria and requirements of the Premium T-VER.





**Premium T-VER** requires additional demonstration to ensure high quality carbon credits



- Additional to BAU



- Baseline below BAU



- Public participation



- Do no Net Harm with SDG Impacts



- Permanent mitigation outcome

**New projects only!!!**

**(Projects must not have started implementation)**

**START**

The project start date is defined in the T-VER Methodology.

- Project types 1–12 must apply for registration within 3 years from the project start date.
- Project types 13 and 14 must apply for registration within 5 years from the project start date.

Regulation of the Board of Directors of Thailand Greenhouse Gas Management Organization re: rules, procedures, and conditions for considering Thailand Voluntary Emission Reduction (T-VER) projects (No 3) B.E. 2567 (2024)

Regulation of the Board of Directors of Thailand Greenhouse Gas Management Organization on Rules, Procedures and Conditions for Consideration of Thailand Voluntary Emission Reduction Program (T-VER) (No. 4) B.E. 2568 (2025)

Whereas, it is deemed expedient to amend the rules and conditions for development of Premium Thailand Voluntary Emission Reduction Program (Premium T-VER) in the category of reduction, absorption and storage of greenhouse gas from forestry and agriculture sectors to be in line with the requirements of the mechanism under Article 6.4 of the Paris Agreement and the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), including the operations under the Joint Crediting Mechanism (JCM) to be more efficient.

By virtue of Section 24 (4) of the Public Organization Act B.E. 2542 (1999), as amended by the Public Organization Act (No. 2) B.E. 2559 (2016), Section 20 (2) and Section 45/2 of the Royal Decree on Establishment of Thailand Greenhouse Gas Management Organization (Public Organization) B.E. 2550 (2007), as amended by the Royal Decree on Establishment of Thailand Greenhouse Gas Management Organization (Public Organization) (No. 2) B.E. 2562 (2019), and the Resolutions of the Meeting No. 2/2025 of the Board of Directors of Thailand Greenhouse Gas Management Organization, on 24 February 2025, this Regulation is hereby issued as follows:

## Guideline for Premium Thailand Voluntary Emission Reduction Program (Premium T-VER)

(Version 5.0)

### 20. Guidelines for the Development of Joint Crediting Mechanism (JCM) Projects under Premium T-VER

Under the Memorandum of Cooperation on the Joint Credit Mechanism (JCM) between the Government of the Kingdom of Thailand and the Government of Japan, which was signed on 8 July 2024, JCM project participants are required to register their projects and submit a request for the carbon credits issuance under Premium T-VER, as detailed in Annex 1 of the Memorandum of Cooperation ( [https://www.jcm.go.jp/opt/th-jp/rules\\_and\\_guidelines/download/JCM\\_TH\\_Rol\\_ver01.0\\_Premium\\_T-VER\\_att1.pdf](https://www.jcm.go.jp/opt/th-jp/rules_and_guidelines/download/JCM_TH_Rol_ver01.0_Premium_T-VER_att1.pdf) ). The primary objective of JCM project development is to provide financial support to Thai project participants for the development of mitigation projects or to facilitate transfer of mitigation technology either from the Japanese government or the Japanese private sector. In return, Thai project participants share part of carbon credits generated under the projects. The Japanese side utilizes the received carbon credits for the achievement of Japan's NDC or for other international mitigation purposes as specified in the Letter of Authorization issued by the Department of Climate Change and Environment. The development of JCM projects under Premium T-VER differs from the development of regular Premium T-VER projects, as summarized in Table 20-1.

# Project Development Process: JCM Track under Premium T-VER

## 1 Approval of Project Idea Note

PP **submits PIN** to DCCE and JCM secretariat

- DCCE proposes the PIN to the A6WG for comments, including on NDC additionality
- DCCE informs TGO of the preliminary assessment result.
- **JCM secretariat proposes the PIN to the JC for approval**

## 2 Authorization Process

PP submits **Request for Authorization**, PDD, validation report, SDSAR to DCCE

- DCCE proposes the project to A6WG
- DCCE issues the LoA

## 3 Registration Process

PP **implementing JCM projects under the Premium T-VER**

- PP submits Request for Registration, Percentage of Credit Allocation Form, PDD, Validation Report, SDSAR to JCM secretariat
- JC decides to register the project

## 4 Verification and Issuance of the Credits

PP monitors GHG emission reduction

- PP submits Request for Credit Issuance, Monitoring Report, Verification Report, SDSMR to JCM secretariat for completeness check
- JC notify the result

## 5 Request for Credits Transfer

PP requests for credit transfer to DCCE

DCCE examines the fulfillment of authorization requirements and inform PP of the result (Positive Examination)

## 6 Transfer of the Credits

PP informs TGO the result

**Thailand Carbon Credit Registry**

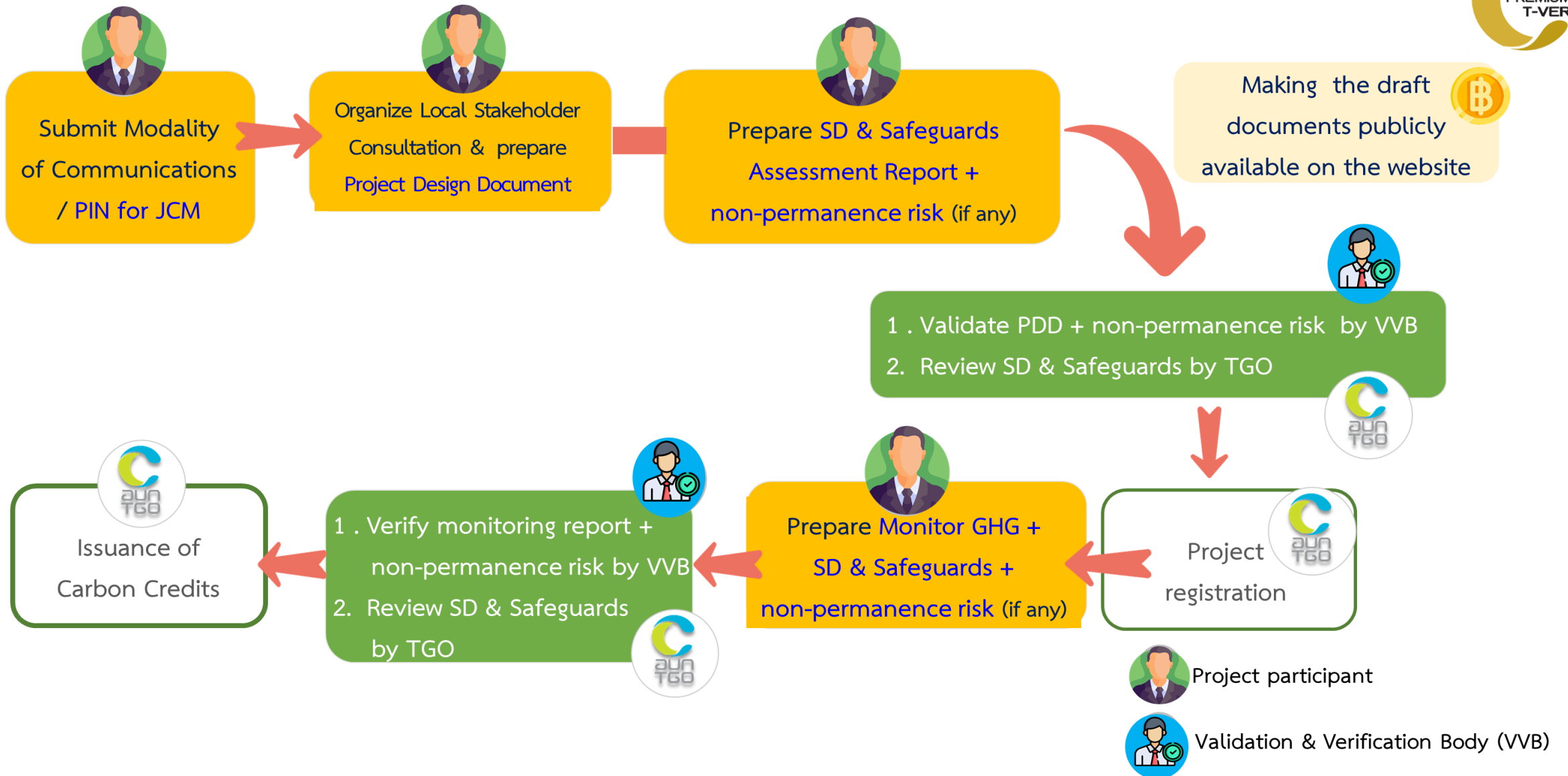
- Issues credits in the special account for the JCM
- Cancels the credits of the Japanese side in the special account and notifies the Government of Japan

- The Government of Japan issues the corresponding amount of credits in a holding account of the JCM registry of Japan
- The Government of Japan provides authorization for the credits

## 7 Apply Corresponding Adjustment and Reporting

DCCE applies corresponding adjustment and reports to UNFCC

# Project Development Process of Premium T-VER





# Current Status of JCM in Thailand

## All projects

58

Projects



Expected GHG  
emission reductions

406,749 tCO<sub>2</sub>eq/year

## Registered projects

12

Projects



Expected GHG  
emission reductions

58,596 tCO<sub>2</sub>eq/year

## Issuance of credits

6

Projects



Amounts of credits issued

6,049 tCO<sub>2</sub>eq

Transfer to Japan

3,026 tCO<sub>2</sub>eq

## Methodologies

20

Meth



## Third Party Entities

13

companies





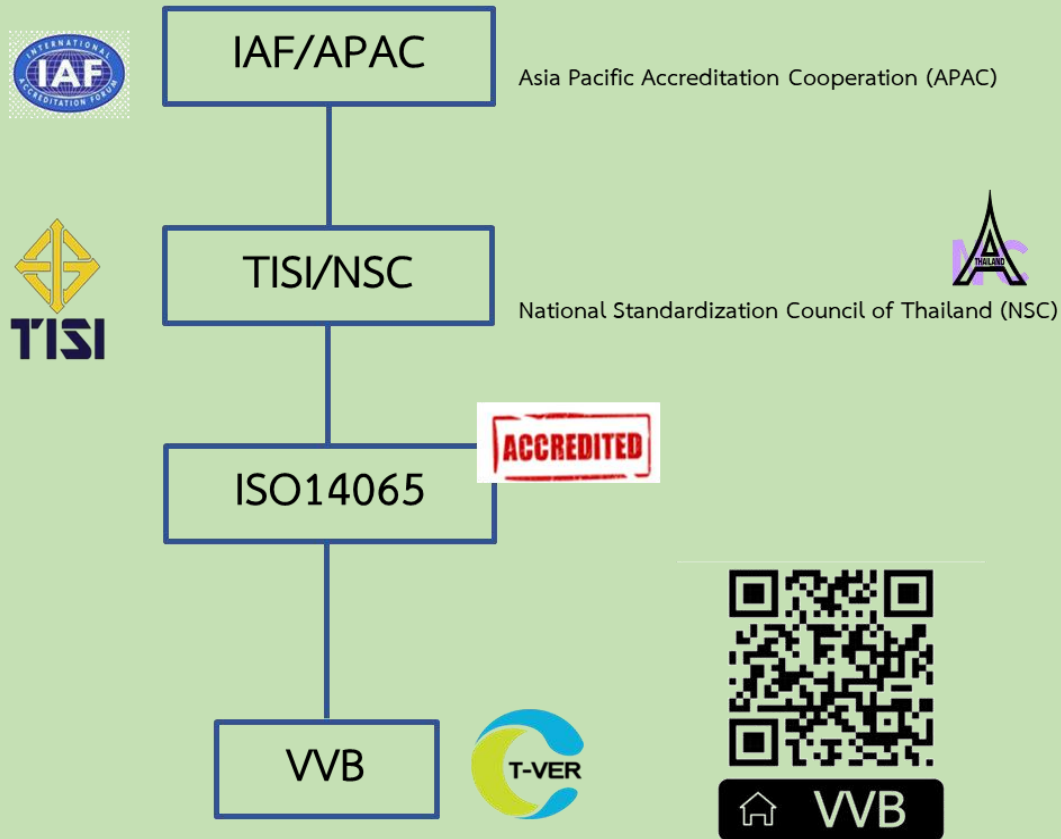
Renewable energy or fossil fuel replacement (REF)	
Code	Methodology
T-VER-P-METH-01-01	Grid Connected Renewable Electricity Generation
T-VER-P-METH-01-02	Renewable Electricity Generation for Independent Power Supply
T-VER-P-METH-01-03	Electricity and Thermal Energy Cogeneration from Biomass for Dispatch
T-VER-P-METH-01-04	Heat Generation from Renewable Energy
T-VER-P-METH-01-05	Electricity Generation from Hydrogen for Internal Usage or Grid Reselling
Use of electric vehicle (EV)	
Code	Methodology
T-VER-P-METH-04-01	Switching from internal combustion engine vehicles to battery electric vehicle
T-VER-P-METH-04-02	Replacement of Internal Combustion Engine Buses with Electric Buses for Public Passenger Transportation
T-VER-P-METH-04-03	Switching from internal combustion engine vehicles to battery electric vehicle for freight transport
Improvement of the efficiency of energy consumption in building and factory and in household [EEB]	
Code	Methodology
T-VER-P-METH-06-01	Energy Efficiency Improvement from District Cooling System
T-VER-P-METH-06-02	Metal Melting Furnace Efficiency Improvement
Use of clinker substitute [CS]	
Code	Methodology
T-VER-P-METH-08-01	Cement Production from Alternative Materials
Solid waste management [SWM]	
Code	Methodology
T-VER-P-METH-09-01	Municipal solid waste management to replace landfills
Industrial wastewater management [IWM]	
Code	Methodology
T-VER-P-METH-12-01	Methane Capture from Anaerobic Wastewater Treatment for Utilization or Flaring

Premium T-VER: 26 Meth	
Reduction, absorption and removal of greenhouse gases from the forestry and agriculture sectors [FOR&AGR]	
Code	Methodology
T-VER-P-METH-13-01	Afforestation/Reforestation of lands except wetlands
T-VER-P-METH-13-02	Afforestation/Reforestation of degraded mangrove habitats
T-VER-P-METH-13-03	Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest
T-VER-P-METH-13-04	Mangrove and Seagrass Restoration
T-VER-P-METH-13-05	Improved Forest Management
T-VER-P-METH-13-06	Enhanced Good Practices in Agricultural Land
T-VER-P-METH-13-07	Conservation and Restoration of Peatland
T-VER-P-METH-13-08	Enhanced Good Practices in Paddy Rice Field
T-VER-S-METH-13-09	Rewetting of Drained Peatland
Capture, storage, and/or utilization of greenhouse gas [CCUS]	
Code	Methodology
T-VER-P-METH-14-01	CO <sub>2</sub> Capture and Storage in Geological Formation
T-VER-P-METH-14-02	CO <sub>2</sub> Capture for Utilization for Concrete Production
T-VER-P-METH-14-03	Production and Utilization of Biochar
Other project specified by the Board of Directors of TGO [OTH]	
Code	Methodology
T-VER-P-METH-15-01	Collection of Used Refrigerants for Reclamation and Utilization or Decomposition of Refrigerants



# Validation and Verification Body (VVB)

VVB is a juristic person who has adequate competence in validation and verification and is registered with TGO



As of 31 October 2025

1	V GREEN KU	
2	Greenhouse gas Management and Certification Unit, University of Phayao	
3	SGS (Thailand) Limited	
4	Bureau Veritas Certification (Thailand) Limited	
5	ECEE Company Limited	
6	Foundation for Industrial Development-Management System Certification Institute (Thailand) (MASCI)	
7	Research unit for Energy, Economics and Ecological Management, Science and Technology Research Institute, Chiang Mai University	
8	Greenhouse Gas Verification Unit, The Mae Fah Luang Foundation Under Royal Patronage	
9	TUV NORD Thailand Ltd.	
10	BSI Group (Thailand) Ltd.	
11	NPC S&E Security Guard Co., Ltd	
12	TEAM GROUP	
13	VEKIN (Thailand) Co., Ltd.	
14	PTT Innovation Institute	
15	ACTIVE CONSULTANTS (THAILAND) CO., LTD.	
16	CARBON NEUTRALITY (THAILAND) CO., LTD.	
17	Measurement and Standard Accreditation Center, Faculty of Science, Prince of Songkhla University	
18	Department of Agriculture	



# Project Registration



Documents required for project registration Only the English version of the forms must be used.

1. Request for Project Registration Form
2. Project Design Document (PDD) **validated by a VVB**
3. Calculation file (Excel) **validated by a VVB**
4. Validation Report **issued by a VVB**
5. Sustainable Development and Safeguard Assessment Report (SDSAR)
6. **JCM Percentage of Credit Allocation**
7. Certificate of legal entity registration
8. Non-permanence Risk Assessment Report (if applicable)
9. Supporting documents for opening an account



<https://tver.tgo.or.th/>


The project participant submits the documents  
to the Japanese Secretariat via email: [th-jc-secretariat@jcm.go.jp](mailto:th-jc-secretariat@jcm.go.jp)


## Open an account in the Thailand Carbon Credit Registry


Project participant whose projects have been registered are required to open an account in the TGO registry. The carbon credits issued will be recorded and stored in the account.





<https://registry.tgo.or.th/>


ระบบทะเบียนคาร์บอนเครดิต  
Thailand Carbon Credit Registry


 Documents


 Admin System


EN  TT Tgo Test 

### Carbon Credit Project Inventory


 ALL PROJECTS  
433

 CERTIFIED  
181

 PENDING CERTIFICATION  
252

 PROJECTS ENDED  
61

Project Information Cancellation Records ITMOs Transfer Records

10 

Transaction Date	Project ID	Project Title	Project Type	Serial Number	Quantity	Cooperative Appr
13 Dec 2024	#S0334	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0334-64-2023-20498685-20515528-1-0	16,844	Bilateral Cooperation with
13 Dec 2024	#S0333	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0333-64-2023-20486307-20498684-1-0	12,378	Bilateral Cooperation with
01 Dec 2023	#S0334	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0334-57-2022-16829924-16830920-1-0	997	Bilateral Cooperation with
01 Dec 2023	#S0333	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0333-57-2022-16829005-16829923-1-0	919	Bilateral Cooperation with





# Credits Issuance



Documents required for carbon credit issuance Only the English version of the forms must be used.

1. Request for Carbon credit issuance Form
2. Monitoring Report **validated by a VVB**
3. Calculation file (Excel) **validated by a VVB**
4. Verification Report **issued by a VVB**
5. Sustainable Development and Safeguard Monitoring Report (SDSMR)
6. Non-permanence Risk Monitoring Report (if applicable)
7. Payment notification form for fees
8. Other fees as specified by TGO



<https://tver.tgo.or.th/>

The project participant submits the documents  
to the Japanese Secretariat via email: [th-jc-secretariat@jcm.go.jp](mailto:th-jc-secretariat@jcm.go.jp)

# Weblinks for JCM and T-VER information

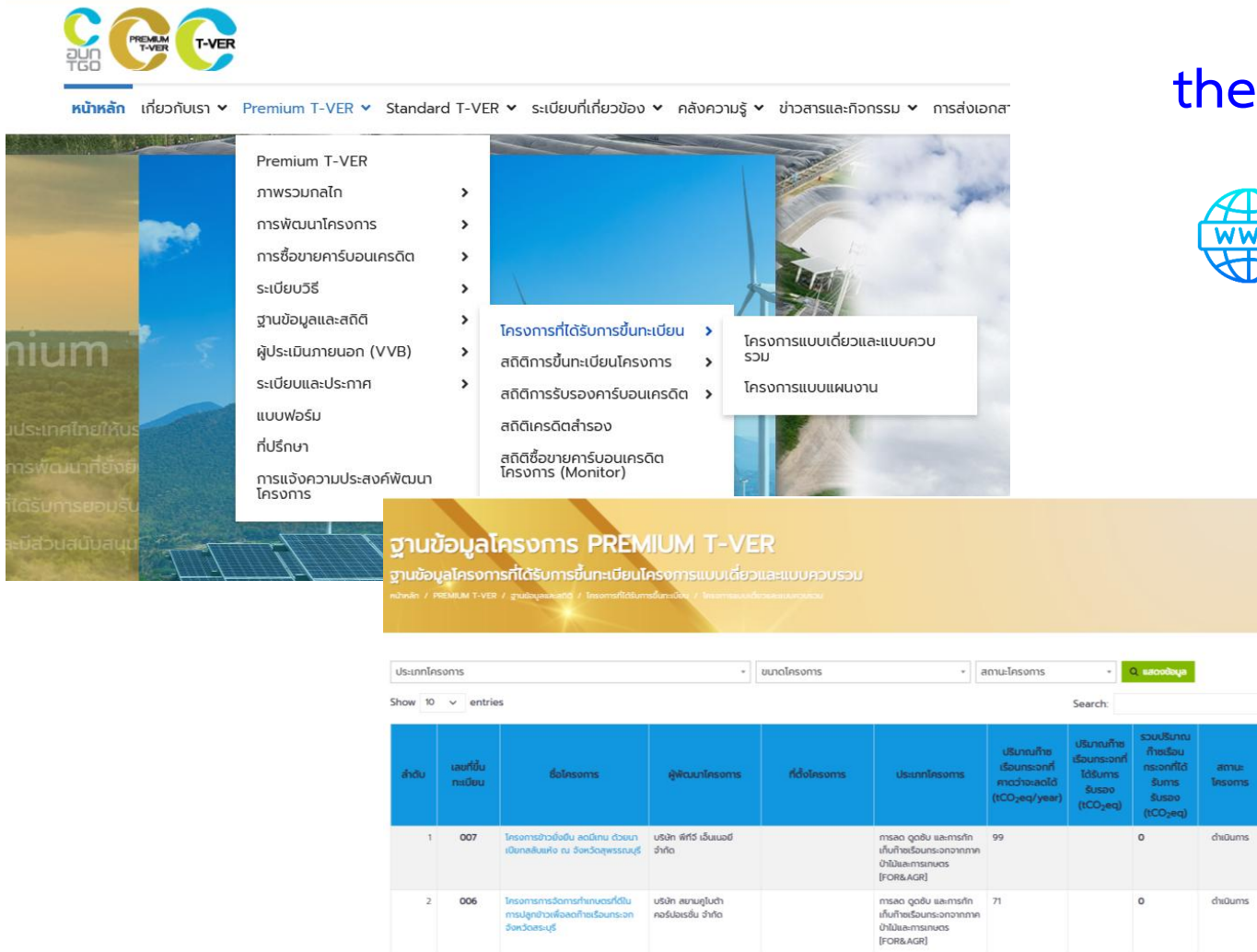
Publish the information on the JCM and Premium T-VER websites.



<https://tver.tgo.or.th>

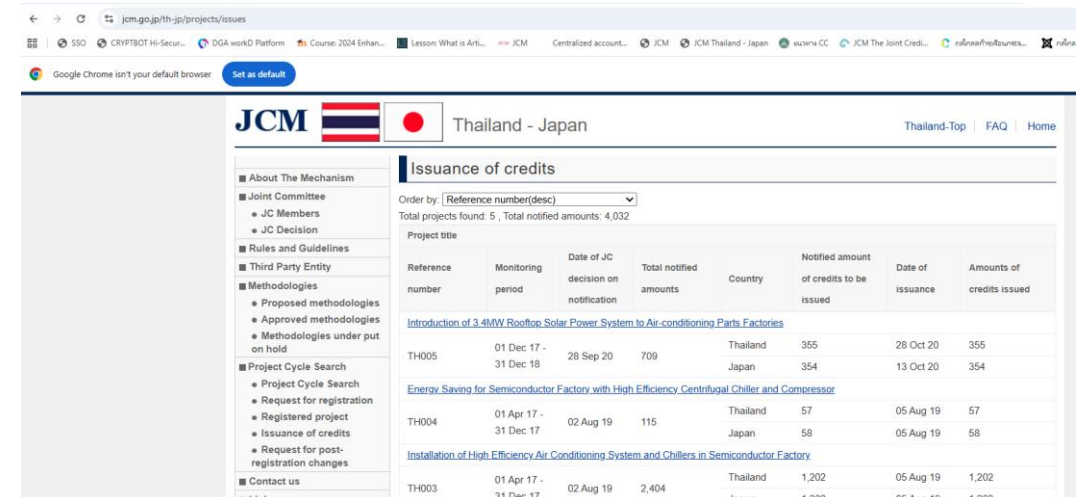
<https://ghgreduction.tgo.or.th>

<https://www.jcm.go.jp>



The screenshot shows the Premium T-VER website. At the top, there are logos for TGO, Premium T-VER, and T-VER. Below them is a navigation bar with links: หน้าหลัก, เกี่ยวกับเรา, Premium T-VER, Standard T-VER, ระบบที่เกี่ยวข้อง, คลังความรู้, ข่าวสารและกิจกรรม, การส่งเอกสาร. The main content area features a large image of a wind turbine and solar panels. A sidebar on the left lists various topics under Premium T-VER, including ภาพรวมทกโก, การพัฒนาโครงการ, การซื้อขายคาร์บอนเครดิต, ระบบวิธี, ฐานข้อมูลและสถิติ, ผู้ประเมินภายนอก (VVB), ระบบและประกาศ, แบบฟอร์ม, ที่ปรึกษา, การแจ้งความประสงค์พัฒนาโครงการ. The main content area displays a table titled 'ฐานข้อมูลโครงการ PREMIUM T-VER' (Premium T-VER Project Database) with columns for project details. The table lists two projects:

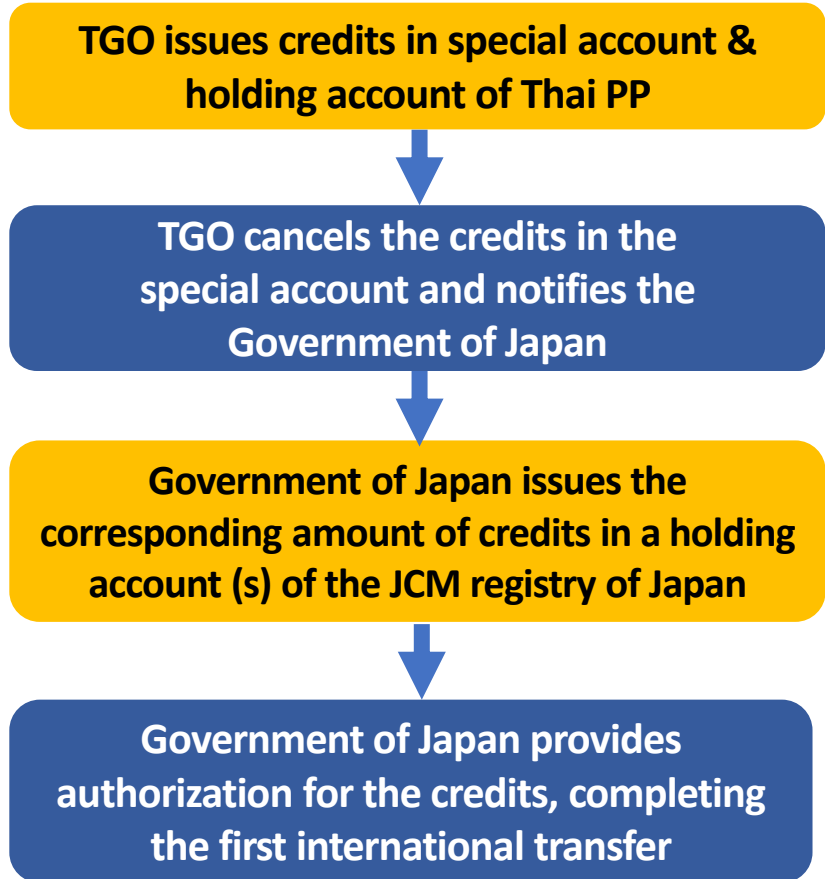
ลำดับ	เลขที่ขึ้นทะเบียน	ชื่อโครงการ	ผู้พัฒนาโครงการ	ที่ตั้งโครงการ	ประเภทโครงการ	ปริมาณก๊าซเรือนกระจกที่คาดว่าจะลดได้ (tCO <sub>2</sub> e/year)	ปริมาณก๊าซเรือนกระจกที่ได้รับการรับรอง (tCO <sub>2</sub> e)	รวมปริมาณก๊าซเรือนกระจกที่ได้รับการรับรอง (tCO <sub>2</sub> e)	สถานะโครงการ
1	007	โครงการนำร่องระบบผลิตไฟฟ้าจากเซลล์แสงอาทิตย์	บริษัท พีทีจี เอ็นเนอยี จำกัด		การผลิตไฟฟ้า และการใช้พลังงานทดแทนจากภาคเกษตรกรรม (FOR&AGR)	99		0	ดำเนินการ
2	006	โครงการนำร่องระบบผลิตไฟฟ้าจากเซลล์แสงอาทิตย์	บริษัท สยามฟู้ด จำกัด		การผลิตไฟฟ้า และการใช้พลังงานทดแทนจากภาคเกษตรกรรม (FOR&AGR)	71		0	ดำเนินการ



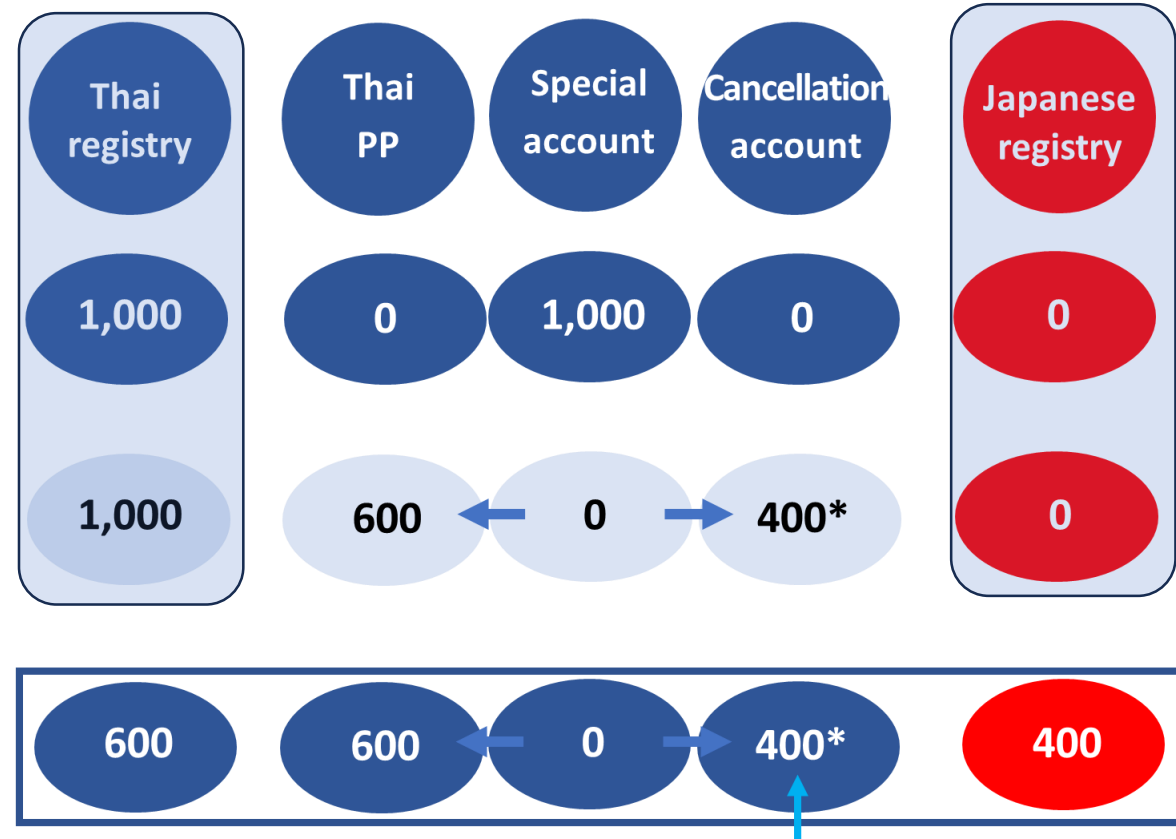
The screenshot shows the JCM website. The header includes the JCM logo, the Thai and Japanese flags, and the text 'Thailand - Japan'. The main content area is titled 'Issuance of credits' and displays a table of projects. The table lists two projects:

Reference number	Monitoring period	Date of JC decision on notification	Total notified amounts	Country	Notified amount of credits to be issued	Date of issuance	Amounts of credits issued
TH005	01 Dec 17 - 31 Dec 18	28 Sep 20	709	Thailand	355	28 Oct 20	355
				Japan	354	13 Oct 20	354
TH004	01 Apr 17 - 31 Dec 17	02 Aug 19	115	Thailand	57	05 Aug 19	57
				Japan	58	05 Aug 19	58
TH003	01 Apr 17 - 31 Dec 17	02 Aug 19	2,404	Thailand	1,202	05 Aug 19	1,202
				Japan	1,202	05 Aug 19	1,202

# Carbon credits transfer



For example, if 1,000 tCO<sub>2</sub>eq of carbon credits are issued and 40 % are transferred to the Japanese side



**\*cannot further transfer**



## Carbon Credit Project Inventory



ALL PROJECTS  
496



CERTIFIED  
198



PENDING CERTIFICATION  
298



PROJECTS ENDED  
99

Project Information

Cancellation Records

ITMOs Transfer Records

10



Transaction Date	Project ID	Project Title	Project Type	Serial Number	Quantity	Cooperative Approach
10 Nov 2025	#J0014	Introduction of 5MW Floating Solar Po...	Renewable energy or fossil fuel replac...	TH1-JCM-J0014-70-2021-23943943-23944951-1-0	1,009	Bilateral Cooperation with Japan (JCM)
13 Dec 2024	#S0334	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0334-64-2023-20498685-20515528-1-0	16,844	Bilateral Cooperation with Switzerland
13 Dec 2024	#S0333	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0333-64-2023-20486307-20498684-1-0	12,378	Bilateral Cooperation with Switzerland
01 Dec 2023	#S0334	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0334-57-2022-16829924-16830920-1-0	997	Bilateral Cooperation with Switzerland
01 Dec 2023	#S0333	Bangkok Metropolitan Area E-Bus Zon...	Use of public transportation system	TH1-BCH-S0333-57-2022-16829005-16829923-1-0	919	Bilateral Cooperation with Switzerland

First Page

.

Last Page





# Thank You



Thailand Greenhouse Gas Management Organization (Public Organization)

120 Moo 3, 9<sup>th</sup> Floor, The Government Complex, Chaengwattana Road, Laksi, Bangkok 10210

Tel : 02-141-9790



[www.tgo.or.th](http://www.tgo.or.th)



[ghgreduction.tgo.or.th](http://ghgreduction.tgo.or.th)



[thaicarbonlabel.tgo.or.th](http://thaicarbonlabel.tgo.or.th)



[caacademy.tgo.or.th](http://caacademy.tgo.or.th)



[carbonmarket.tgo.or.th](http://carbonmarket.tgo.or.th)



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