

Date of meeting: 18 December 2024

Place of meeting: Jakarta, Indonesia, and online

**Joint Committee of the Joint Crediting Mechanism
between Indonesia and Japan
Tenth Meeting**

Meeting Report

Agenda item 1. Opening

Mr. Ferry Ardiyanto, Assistant Deputy Minister for Multilateral Economic Cooperation, Coordinating Ministry for Economic Affairs, opened the tenth meeting of the Joint Committee (JC) of the Joint Crediting Mechanism (JCM) and gave opening remarks.

Mr. Ueda Hajime, Minister for Economic Affairs and Development, Embassy of Japan in Indonesia, gave opening remarks.

Agenda item 2. Organization matters

Agenda item 2.1. Adoption of the agenda

The JC adopted the agenda of the meeting.

Agenda item 2.2. Approval of attendance of observers

The JC consented to the participation of the attendees who were other than governmental officials at this JC meeting based on confirmation of the Conflict of Interest Declaration Forms submitted by the attendees, as listed in Table 2 of this meeting report.

Agenda item 3. Rules and Guidelines

To implement the JCM consistent with Article 6 of the Paris Agreement as well as Carbon Capture and Storage (CCS) projects under the JCM, the JC considered the draft revisions and new proposal of the following documents and adopted them, with revision to the terms used in the CCS guidelines by adding Carbon Capture, Utilization and Storage (CCUS) as one of JCM scope of activities, which include Enhanced Oil Recovery (EOR) and Enhanced Gas Recovery (EGR), as contained in the annexes to this meeting report:

- Rules of Implementation for the JCM ([Annex 1](#))
- Joint Crediting Mechanism Glossary of Terms ([Annex 2](#))
- Common Specifications of the JCM Registry ([Annex 3](#))
- Joint Crediting Mechanism Project Cycle Procedure and 14 forms related to the procedure

- ([Annex 4](#) and [Annexes 4.1 to 4.14](#))
- Joint Crediting Mechanism Guidelines for Developing Proposed Methodology ([Annex 5](#))
 - Joint Crediting Mechanism Guidelines for Developing Project Design Document and Monitoring Report ([Annex 6](#))
 - Joint Crediting Mechanism Guidelines for Developing Sustainable Development Implementation Plan and Report ([Annex 7](#))
 - Joint Crediting Mechanism Guidelines for Designation as a Third-Party Entity ([Annex 8](#))
 - Joint Crediting Mechanism Guidelines for Validation and Verification ([Annex 9](#))
 - Joint Crediting Mechanism Rules of Procedures for the Joint Committee including Conflict of Interest Form ([Annex 10](#) and [Annex 10.1](#))
 - Joint Crediting Mechanism Guidelines for Developing Proposed Methodology for Carbon Capture and Storage (CCS) ([Annex 11](#))
 - Joint Crediting Mechanism Guidelines for Developing Project Design Document and Monitoring Report for Carbon Capture and Storage (CCS) ([Annex 12](#))

In line with paragraph 9 of the revised Project Cycle Procedure, the Joint Committee identified 23 projects as the existing projects listed in Table 3 of this meeting report. These 23 projects will proceed to the project registration process without the assessment process of the project idea notes (PINs) under paragraph 6 of the revised Project Cycle Procedure.

Agenda item 4. Issuance of JCM credits

Agenda item 4.1. Power generation by waste heat recovery in the PT Semen Indonesia (Persero) Tbk factory in Tuban (ID013)

The JC considered the Credits Issuance Request Form and decided, as an exceptional measure, to notify each side of the amount of credits to be issued for the project ID013 (Power generation by waste heat recovery in the PT Semen Indonesia (Persero) Tbk factory in Tuban). The JC also noted that the credit issuance procedure other than the one for ID013 follows the JCM rules and guidelines adopted at this JC meeting.

Credit Issuance of ID013

	Total	PT Semen Indonesia (Persero) Tbk	Indonesian government	Japanese government
2018	14,799	2,959	4,440	7,400
2019	8,023	1,604	2,408	4,011
2020	24,116	4,823	7,235	12,058
Total	46,938	9,386	14,083	23,469

The amount of credits adjusted for a shorter crediting period

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total amount of JCM credits (estimated)
ID	7,399	4,012	12,058	19,553	16,960	26,659	26,659	26,659	26,659	13,328	179,946
JP	7,400	4,011	12,058	19,553	16,960	0	0	0	0	0	59,982

Note: From 2018 to 2020 - The values in the monitoring report have been verified.
 From 2021 to 2022 - The values in the monitoring report have not been verified.
 From 2023 to 2027 - The hypothetical values are based on the average of 2018 to 2022.

Agenda item 5. Registration of JCM projects

The JC considered the following 8 proposed projects and decided to register them.

- 5.1 Energy Saving for Industrial Park with Smart LED Street Lighting System (ID025)
- 5.2 Introduction of LED Lighting to UNIQLO Sales Stores (ID026)
- 5.3 10MW Mini Hydro Power Plant Project in North Sumatra (ID027)
- 5.4 Energy Saving by Introducing High Efficiency Autoclave to Infusion Manufacturing Factory (ID029)
- 5.5 Introduction of CNG-Diesel Hybrid Equipment to Public Bus in Semarang (ID032)
- 5.6 4.2MW Rooftop Solar Power Project to Pharmaceutical Factories, Vehicles Dealers, and Timber Factories (ID033)
- 5.7 Energy Saving by Introducing High Efficiency Autoclave to Infusion Manufacturing Factory 2 (ID034)
- 5.8 Rehabilitation Project of Power Generation System at Karai 7 Mini Hydro Power Plant (ID035)

Agenda item 6. Approval of JCM methodologies

The JC considered the following 1 proposed methodology and 6 revised methodologies. Based on consideration, the JC approved them.

- 6.1. Energy Saving by Introduction of High Efficiency Centrifugal Chiller (ID_PM039, the revised version of the approved methodology ID_AM002)
- 6.2. Installation of Inverter-Type Air Conditioning System for Cooling for Grocery Store (ID_PM040, the revised version of the approved methodology ID_AM004)
- 6.3. Installation of LED Lighting for Grocery Store (ID_PM041, the revised version of the approved methodology ID_AM005)
- 6.4. Installation of a separate type fridge-freezer showcase by using natural refrigerant for grocery store to reduce air conditioning load inside the store (ID_PM042, the revised version of the approved methodology ID_AM008)
- 6.5. Introducing double-bundle modular electric heat pumps to a new building (ID_PM043,

the revised version of the approved methodology ID_AM010)

- 6.6. Installation of closed drain recovery system and utilization for boiler feed water (ID_PM044)
- 6.7. Installation of gas engine cogeneration system with absorption chiller to supply electricity, heating energy and cooling energy (ID_PM045, the revised version of the approved methodology ID_AM023)

Agenda item 7. Designation of TPEs

The JC considered the applications for designation as a Third-Party Entity submitted by the following 6 entities based on the accreditation status of a Designated Operational Entity (DOE) under the Clean Development Mechanism (CDM) or the accreditation status of ISO 14064-2 and decided to designate them as a TPE as submitted.

- 7.1 LGAI Technological Center S.A. (Aplus+ Certification) (validation and verification functions in sectoral scopes: 1, 3, 13)
- 7.2 Korean Standards Association (validation and verification functions in sectoral scopes: 1, 2, 3, 4, 5, 9, 10, 13, 14, 15)
- 7.3 Enviance Services Private Limited (validation and verification functions in sectoral scopes: 1, 3, 13, 14, 15)
- 7.4 Ampere For Renewable Energy (validation and verification functions in sectoral scopes: 1, 3, 13)
- 7.5 PT Superintending Company of Indonesia (PT SUCOFINDO) – SBU Sertifikasi dan Eco Framework (Sucofindo International Certification Services) (validation function in sectoral scopes: 1, 13)
- 7.6 Earthood Services Limited (validation and verification functions in sectoral scopes: 1, 2, 3, 4, 6, 7, 8, 10, 13, 14, 15)

Agenda item 8. Closing remarks

The Co-Chairs gave closing remarks and closed the meeting.

Table 1: Attendance

JC Members from Indonesian side	
Mr. Ferry Ardiyanto	Coordinating Ministry for Economic Affairs
Mrs. Farah Heliantina	Coordinating Ministry for Economic Affairs
Mr. Ignatius Wahyu Marjaka	Ministry of Environment and Forestry
Mr. Priyanto Rohmatullah	Ministry of National Development Planning/National Development Planning Agency (Bappenas)
Mr. Tri Purnajaya	Ministry of Foreign Affairs
Mrs. Andriah Feby Misna	Ministry of Energy and Mineral Resources
Mr. Apit Pria Nugraha	Ministry of Industry
Mr. Bobby Wahyu Hernawan	Ministry of Finance
Observers from Indonesian side	
Mr. Dicky Edwin Hindarto	Indonesia Joint Crediting Mechanism (JCM) secretariat
Ms. Dinda Fauzani	Indonesia Joint Crediting Mechanism (JCM) secretariat
Mr. Cahyadi Yudodahono	Indonesia Joint Crediting Mechanism (JCM) secretariat, Coordinating Ministry for Economic Affairs
Mr. Arrozaq Ave	Indonesia Joint Crediting Mechanism (JCM) secretariat, Coordinating Ministry for Economic Affairs
Mr. Raka Yudistra	Indonesia Joint Crediting Mechanism (JCM) secretariat, Coordinating Ministry for Economic Affairs
Ms. Annisa Ayu Rizkia	Indonesia Joint Crediting Mechanism (JCM) secretariat, Coordinating Ministry for Economic Affairs
Ms. Dwi Septi Cahyawati	Coordinating Ministry for Economic Affairs
Mr. Wawan Gunawan	Ministry of Environment and Forestry
Ms. Erna Susilowati	Ministry of Environment and Forestry
Mr. Abdul Zaky	Ministry of Environment and Forestry
Mr. Budiharto	Ministry of Environment and Forestry
Mr. Joko Prihatno	Ministry of Environment and Forestry
Ms. Yantri Febri Rani	Ministry of Energy and Mineral Resources

Ms. Katrin Rifanni Pamela	Ministry of Energy and Mineral Resources
JC Members from Japanese side	
Mr. UEDA Hajime	Embassy of Japan in Indonesia
<i>Mr. ADACHI Muneki (alternate)</i>	Ministry of Foreign Affairs
Mr. KIMURA Norihiro	Ministry of Economy, Trade and Industry
Mr. IINO Satoru	Ministry of the Environment
<i>Mr. IWAMA Tetsuji (alternate)</i>	Forestry Agency
Mr. SHIGEMATSU Takayuki	Embassy of Japan in Indonesia
Observers from Japanese side	
Mr. WAKABAYASHI Hajime	Embassy of Japan in Indonesia
<i>Mr. KOIZUMI Naoki</i>	Ministry of Foreign Affairs
<i>Mr. MOMOSE Yoshinori</i>	Ministry of the Environment
Ms. UGA Maiko	Ministry of the Environment
<i>Mr. KINAME Kouhei</i>	Ministry of the Environment
<i>Mr. TAKAHASHI Kentaro</i>	Ministry of the Environment
<i>Ms. OKAJIMA Yuka</i>	Ministry of the Environment
<i>Mr. MITSUI Hiroyuki</i>	Ministry of Economy, Trade and Industry
<i>Mr. SAKAI Takumi</i>	Ministry of Economy, Trade and Industry
<i>Mr. NAGAI Masato</i>	Ministry of Agriculture, Forestry and Fisheries
<i>Mr. TANAKA Tomoki</i>	Ministry of Agriculture, Forestry and Fisheries
Dr. BANNAI Osamu	Global Environment Centre Foundation (GEC)
Ms. OHTANI Satoko	Global Environment Centre Foundation (GEC)
Mr. KOAKUTSU Kazuhisa	Institute for Global Environmental Strategies (IGES)
Ms. WAKAMURA Takashi	Institute for Global Environmental Strategies (IGES)
<i>Ms. SHINCHI Kikuko</i>	Mitsubishi Research Institute Inc.
<i>Mr. MIYAMAE Kento</i>	Mitsubishi Research Institute Inc.
<i>Ms. IWABUCHI Yuika</i>	Mitsubishi Research Institute Inc.
<i>Ms. ABE Yasuko</i>	Mitsubishi Research Institute Inc.
<i>Mr. MIZUGUCHI Dai</i>	New Energy and Industrial Technology Development Organization (NEDO)

* The names of the members present at the meeting in person are in bold print; those present virtually are in italics.

Table 2: Attendees who submitted the Conflict of Interest Declaration Form

Attendees from Japanese side	
Dr. BANNAI Osamu	Global Environment Centre Foundation (GEC)
Ms. OHTANI Satoko	Global Environment Centre Foundation (GEC)
Mr. KOAKUTSU Kazuhisa	Institute for Global Environmental Strategies (IGES)
Ms. WAKAMURA Takashi	Institute for Global Environmental Strategies (IGES)
<i>Ms. SHINCHI Kikuko</i>	Mitsubishi Research Institute Inc.
<i>Mr. NOMOTO Tetsuya</i>	Mitsubishi Research Institute Inc.
<i>Mr. MIYAMAE Kento</i>	Mitsubishi Research Institute Inc.
<i>Ms. IWABUCHI Yuika</i>	Mitsubishi Research Institute Inc.
<i>Ms. ABE Yasuko</i>	Mitsubishi Research Institute Inc.
<i>Mr. MIZUGUCHI Dai</i>	New Energy and Industrial Technology Development Organization (NEDO)
Mr. HEMMI Tatsushi (Secretariat)	Mitsubishi UFJ Research and Consulting Co., Ltd.
Ms. YAMAGUCHI Kazuko (Secretariat)	Mitsubishi UFJ Research and Consulting Co., Ltd.
<i>Mr. YAMASAKI Soshi (Secretariat)</i>	Mitsubishi UFJ Research and Consulting Co., Ltd.
Ms. OTSUKA Misako (Secretariat)	Mitsubishi UFJ Research and Consulting Co., Ltd.
<i>Mr. TSUTSUI Toshiki (Secretariat)</i>	Mitsubishi UFJ Research and Consulting Co., Ltd.

* The names of the members present at the meeting in person are in bold print; those present virtually are in italics.

Table 3: List of 23 existing projects identified in line with paragraph 9 of the Project Cycle Procedure

Project title	Project Participant(JPN)	Project Participant(ID)
Energy Saving in Industrial Wastewater Treatment System for Rubber Industry	Environmental Management and Technology Center	P.T. Aneka Bumi Pratama
Introduction of Gas Co-generation System and Absorption Chiller to Motor Parts Factory	DENSO Corporation	PT DENSO INDONESIA (DNIA)
2MW Mini Hydro Power Plant Project in East Nusa Tenggara Province	AURA-Green Energy Co., Ltd.	PT. GISTEC PRIMA ENERGINDO
Introduction of High Efficiency Boiler System to Carton Box Factory	Japan Pulp and Paper Company Limited	PT Oriental Asahi JP Carton Box
10MW Hydro Power Project in Bengkulu Province	Fuji Voith Hydro Co., Ltd.	PT KETAUN HIDRO ENERGI
6MW Hydro Power Project in West Sumatera Province	Fuji Voith Hydro Co., Ltd.	PT BAYANG NYALO HYDRO
5MW Hydro Power Project in Bengkulu Province	Fuji Voith Hydro Co., Ltd.	PT Kanz Sapta Energi
6MW Mini Hydro Power Plant Project in West Pasaman, West Sumatra	NIX JAPAN Co., Ltd.	Nix New Energy Co., Ltd., PT. OPTIMA TIRTA ENERGY
6MW Mini Hydro Power Plant Project in Besay River, Lampung Province	WWS-JAPAN Co., Ltd.	PT Adimitra Energi Hidro, PT. Adimitra Kharisma
2.3 MW Mini Hydro Power Plant Project in Melesom River, Lampung Province	WWS-JAPAN Co., Ltd.	PT Graha Hidro Nusantara, PT. Adimitra Kharisma
Introduction of High-Efficiency Thermal Oil Heater System in Chemical Factory	FUMAKILLA LIMITED	PT FUMAKILLA NOMOS
Introduction of 2.1MW Rooftop Solar Power System in Woodworking Factories	Sumitomo Forestry Co., Ltd.	PT. AST INDONESIA
3.5MW Mini Hydro Power Plant at Pungga River in North Sumatra	SDG Impact Japan Co., Ltd.	PT. Raisen Energi Indonesia
Introduction of 5MW Solar Power System to Vehicle and Engine Plants	Toyota Motor Corporation	PT TOYOTA MOTOR MANUFACTURING INDONESIA
Introduction of 2.1MW Solar Power System to Steel Wire Products and Aluminum Factories	Tokyo Century Corporation	PT.Sumiden Serasi Wire Products, PT.Daiki Aluminium Industry Indonesia
Installation of Energy Saving Equipment and Solar Power System to Complex Building in Jakarta	Yuko-Keiso Corporation	PT SENAYAN TRIKARYA SEMPANA
Introduction of High-efficiency Once-through Boiler System to Chemical Factory	DIC Corporation	PT. DIC GRAPHICS
4.2MW Rooftop Solar Power Project to Pharmaceutical Factories, Vehicles Dealers, and Timber Factories	Alamport Co., Ltd.	PT Alam Energy Indonesia, PT ATW Alam Hijau, PT Bintang Toedjoe, PT Agung Automall, PT Sumber Graha Sejahtera
Improvement of Combustion Method and Furnace Shapes in Flat Glass Production Melting Furnace	AGC Inc.	PT ASAHIMAS FLAT GLASS Tbk
12MW Biomass Power Plant Project in Aceh Province, Sumatera	AURA-Green Energy Co., Ltd.	PT Pramanusa Energi Lestari PT GISTEC PRIMA ENERGINDO, PT GISTEC PRIMA
Introduction of 3MW Rooftop Solar Power System to Paper Factory in Java Island	Alamport Co., Ltd.	PT ATW Alam Hijau PT Eco Paper Indonesia
Patuha Unit-2 55MW Geothermal Power Generation Project		PT Geo Dipa Energi
Introduction of 0.8MW Rooftop Solar Power System to Automotive Parts Factory	Kansai Electric Power Co., Inc.	PT. Kansai Energy Solutions Indonesia(tentative name)

Annexes to the report

- Annex 1 Rules of Implementation for the JCM (ver03.0)
- Annex 2 Joint Crediting Mechanism Glossary of Terms (ver03.0)
- Annex 3 Common Specifications of the JCM Registry (ver02.0)
- Annex 4 Joint Crediting Mechanism Project Cycle Procedure (ver06.0)
 - Annex 4.1 Project Idea Note for JCM Project (ver01.0)
 - Annex 4.2 JCM Modalities of Communication Statement Form (ver02.0)
 - Annex 4.3 JCM Assessment of Reference Emissions Request Form (ver01.0)
 - Annex 4.4 JCM Validation Report Form (ver02.0)
 - Annex 4.5 JCM Percentage of Credit Allocation Form (ver01.0)
 - Annex 4.6 JCM Project Registration Request Form (ver02.0)
 - Annex 4.7 JCM Project Implementation Report Form (ver01.0)
 - Annex 4.8 JCM Verification Report Form (ver02.0)
 - Annex 4.9 JCM Credits Issuance Request Form (ver04.0)
 - Annex 4.10 JCM Renewal of Crediting Period Request Form (ver01.0)
 - Annex 4.11 JCM Post-Registration Changes Request Form (ver02.0)
 - Annex 4.12 JCM Project Withdrawal Request Form (ver02.0)
 - Annex 4.13 JCM Registration Request Withdrawal Form (ver02.0)
 - Annex 4.14 JCM Issuance Request Withdrawal Form (ver02.0)
- Annex 5 Joint Crediting Mechanism Guidelines for Developing Proposed Methodology (ver03.0)
- Annex 6 Joint Crediting Mechanism Guidelines for Developing Project Design Document and Monitoring Report (ver04.0)
- Annex 7 Joint Crediting Mechanism Guidelines for Developing Sustainable Development Implementation Plan and Report (ver02.0)
- Annex 8 Joint Crediting Mechanism Guidelines for Designation as a Third-Party Entity (ver04.0)
- Annex 9 Joint Crediting Mechanism Guidelines for Validation and Verification (ver02.0)
- Annex 10 Joint Crediting Mechanism Rules of Procedures for the Joint Committee (ver03.0)
 - Annex 10.1 Conflict of Interest Declaration Form (ver01.0)
- Annex 11 Joint Crediting Mechanism Guidelines for Developing Proposed Methodology for Carbon Capture and Storage (CCS) (ver01.0)
- Annex 12 Joint Crediting Mechanism Guidelines for Developing Project Design Document and Monitoring Report for Carbon Capture and Storage (CCS) (ver01.0)