

# Japan's support for the JCM partner countries

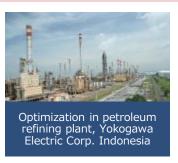
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## METI's support for the JCM partner countries

- METI supports the introduction of advanced decarbonizing technologies though Demonstration Projects
  which contribute to the decarbonization of the JCM partner countries.
- The project cost burdened by Japanese side is 100% supported by Japanese government (METI/NEDO).

#### **Examples of past projects**





Total: 11 projects in 6 countries (As of April 2025)

## JCM Feasibility Study by METI



#### Scope:

- Consider basic elements of the demonstration (technology, project site, stakeholders, etc.)
- Establish the basis of JCM methodology for quantification of the GHG emission reduction
- Study the possibility of dissemination of the introduced technology
- Project cost: 15 million JPY (approx.103 thousand USD) per study

**Project period:** Up to 1 year

Assumed technical areas: Energy efficiency with IoT, EMS, Renewable energy, CCS/CCUS, Hydrogen/Ammonia, etc.

### JCM Demonstration Program by NEDO (\*)



#### Scope:

Demonstrate and verify the effectiveness of advanced decarbonizing technology:

- · Introduction of relevant facilities and systems, and conduct demonstration
- Quantification of GHG emission reduction effectiveness
- JCM procedure toward issuance of JCM credits
- Budget for FY 2025: 1.2 billion JPY (approx. 8.3 million USD)

**Project period**: Pre-demonstration stage: up to 1 year Demonstration stage: up to 3 year Follow-Up Project stage: up to 2 year

Japan

Agreement(MOU)

Partner Country

Competent Government Agency

Supervision, Instruction and Cooperation

Japan Side
Implementing Entity

Partner Country

Implementing Entity

\* NEDO = New Energy and Industrial Technology Development Organization

# Feasibility Studies and Detailed/Secondary Feasibility Study (FY2024)

#### Kazakhstan

• JCM Feasibility Study on the Introduction of a Large-scale Onshore Wind Power Project in Kazakhstan (MITSUI & CO., LTD.)

#### Moldova

\*Demonstration
 Project of Methane

 Fermentation System
 for Utilization of Waste
 Energy at Ethanol
 Brewery Plant (SDG
 Impact Japan Inc.)

#### Uzbekistan

• JCM Feasibility Study on large-scale onshore wind power project in Uzbekistan (Sojitz Corporation)

#### Papua New Guinea

• JCM Feasibility Study on Introduction of Hybrid Solar Power System in Papua New Guinea(Sustainable Holdings Co., Ltd.)

#### India

- JCM Feasibility Study on the Introduction of Distributed Power Generation Systems Utilizing Methane Gas Derived from Cow Dung in India (Fine Eco Solution Co., Ltd.)
- JCM Feasibility Study on Large-scale Introduction of Waste to Steam in Petrochemical Industry and Regional Transportation System of Urban Waste in India (EX Research Institute Ltd.)
- JCM Feasibility Study on Introduction of "Second-Generation Bioethanol Production Technology" in India(NIPPON STEEL ENGINEERING CO., LTD.)
- JCM Feasibility Study on Compressed Bio Gas Technology in India(Mitsubishi Corporation India Pvt. Ltd.)

#### Georgia

• JCM Feasibility Study on the Utilization of Waste-Derived Fuel(Cleansystem CO., LTD.)

#### **Thailand**

- JCM Feasibility Study on Energy-Efficient High-Definition Flexographic Printing Technology in Thailand (Asahi Kasei Corporation)
- JCM Feasibility Study on Biochar Production and Utilization in Thailand(JAPAN CARBON FRONTIER ORGANIZATION)

#### Vietnam:

• ★Demonstration Project of Producing Green Hydrogen Utilizing Surplus Electricity from Renewable Energy and Providing System Solutions (OBAYASHI CORPORATION)

#### 17 projects (12 countries)

Projects with "●" are Feasibility Studies by METI
Projects with "●★" are Detailed/Secondary Feasibility Study by
NEDO

#### Costa Rica

• JCM Feasibility Study on the Introduction of Battery Locomotives for Cargo Railway in Costa Rica (Nippon Koei Co., Ltd.)

#### Chile

• JCM Feasibility Study on the Introduction of Solar Thermal Power Generation in the Mining Industry in Chile (AGC Inc)

#### **Philippines**

- JCM Feasibility Study on Biomass Power Generation Utilizing Agricultural Residues in the Philippines (Kubota Corporation)
- JCM Feasibility Study on the Installation of Solar Panels and Batteries and Optimal Power Control Technology for Wireless Base Stations in the Philippines (¥NTT DOCOMO, INC)

#### **Brazil**

 JCM Feasibility Study on Biomass Power Generation Project in Brazil Led by Private Sector(NTT DATA INSTITUTE OF MANAGEMENT CONSULTING, Inc.)

# Feasibility Studies and Detailed/Secondary Feasibility Study (FY2025)

- 7 FS projects were selected during the first round of applications conducted from April 21 to May 22 this year.
- Additionally, 8 FS projects were selected during the second round of applications conducted from July 14 to August 15 this year, with results scheduled for announcement in late September.
- In July of this year, it was decided that 1 feasibility study conducted in 2024 will proceed to NEDO's demonstration project (secondary feasibility study).

#### **Kyrgyz Republic**

• JCM Feasibility Study on Hydroelectric Power Development in Kyrgyz Republic (Muroosystems Corporation)

#### Mexico

 JCM Feasibility Study on Appropriate Removal, Production of Fuel from Oil Scum and its Utilization in Mexico (UTSUNOMIYA INDUSTRY Co, Ld.)

#### UAE

 JCM Feasibility Study on Heat Shielding Glass Coating for Large-scale Facility in UAE (QUNIE CORPORATION)

#### **Philippines**

• JCM Feasibility Study on the Introduction of Renewable Energy and Energy Transition in the Philippines (Mitsubishi Corporation)

> • JCM Feasibility Study on Waste Power Generation Project in Malaysia (Kanadevia Corporation)

#### **Thailand**

 ★ Demonstration Project of Biochar Production and Utilization in Thailand (JAPAN CARBON FRONTIER ORGANIZATION)

#### **Indonesia**

• JCM Feasibility Study on Methane Recovery and Biomass Power Generation Derived from Palm Oil Mill Effluent in Indonesia (Nihon Suido Consultants Co., Ltd.)

Malaysia

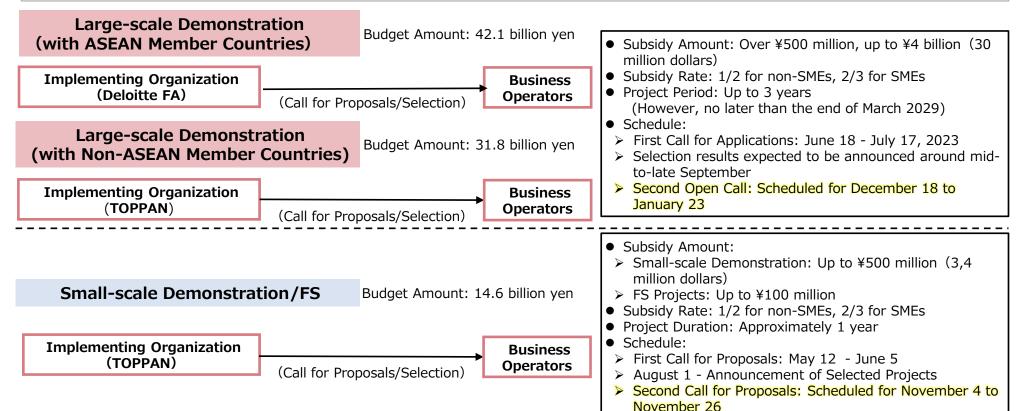
• JCM Feasibility Study on the Introduction of Freight Rail Transportation in Indonesia (SANKYU INC.)

#### 8 projects (7 countries)

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NEDO

### Global South Future-Oriented Co-creation Project Subsidy

- This subsidy supports projects in which Japanese companies collaborate with local enterprises in Global South
  countries to leverage each other's strengths and jointly achieve objectives such as building resilient supply
  chains and realizing carbon neutrality for future industries expected to grow significantly.
- These are broadly divided into two categories: ① Large-scale demonstrations with a subsidy ceiling of 4 billion yen (30 million dollars) and ② Small-scale demonstrations/feasibility studies with a subsidy ceiling of several hundred million yen.
- The project implementation period is: ① 3 years from the conclusion of the subsidy contract or the grant decision (however, no later than the end of fiscal year 2028 (end of March 2029)). ② Approximately 1 year from the grant decision.



# Looking forward to your new proposal on a JCM Project in Tanzania!

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