



Japan's support for the JCM partner countries

JCM Awareness Raising and Sensitization Workshop in Dar es Salaam, Tanzania

17 September 2025

Ministry of the Environment, Japan



Capacity building

- Article 6/ETF
- Secretariat work for the JCM
- Partnership for Market Implementation Facility [World Bank]
- City-to-city cooperation
- Training for TPEs



Project development

- Seminars/workshops
- JCM Global Match (biz matching website)
- Consultation with project developers/consultants
- City-to-city cooperation
- JCM Feasibility Study



Project implementation

- Subsidy Programme for the JCM Facility Introduction [MOE]
- Japan Fund for the JCM [MOE/ADB] (for Asia)
- UNIDO JCM projects (for Africa)[MOE/UNIDO]
- JCM Demonstration Projects [METI]



Monitoring / Evaluation

- Support for MRV (development of methodology and project design document, validation and verification by TPEs)
- Secretariat of the Joint Committee
- Support for establishment of a registry

Outreach activities through website

Key points for developing a JCM project

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A JCM project needs to:

- Quantify greenhouse gas emissions (GHG) reductions or removals by the project
- Contribute to Tanzania's nationally determined contribution (NDC) and sustainable development
- Describe the contribution from Japan in a project design document (PDD)

Sectoral Scopes for the JCM

1. Energy industries (renewable – / non-renewable sources)
2. Energy distribution
3. Energy demand
4. Manufacturing industries
5. Chemical industry
6. Construction
7. Transport
8. Mining/Mineral production
9. Metal production
10. Fugitive emissions from fuels (solid, oil and gas)
11. Fugitive emissions from production and consumption of halocarbons and sulphur hexafluoride
12. Solvents use
13. Waste handling and disposal
14. Afforestation and reforestation
15. Agriculture

Projects supported by the JCM financing programmes

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Renewable Energy



Solar power, FARMLAND Co., Ltd., Chile



Floating Solar PV, TSB Co., Ltd., Thailand



Hydro Power Plant, Toyo Energy Farm Co., Ltd., Indonesia



Biogas Power Generation, ITOCHU Corporation, Philippines



Binary Power Generation Project at Geothermal Power Plant, MHI, Ltd., Philippines

Energy efficiency [Consumer sector]



Energy saving at convenience stores, Panasonic, Indonesia



High-efficiency refrigerator, Mayekawa MFG, Indonesia

Energy efficiency [Industrial sector]



Optimization in petroleum refining plant, Yokogawa Electric Corp. Indonesia



Energy-saving of mobile communications base transceiver stations, KDDI Corp. Indonesia

Effective Use of Energy



Gas Co-generation System and Absorption Chiller, Kansai Electric Power, Thailand

Energy efficiency [Urban sector]



LED street lighting system with wireless network control, MinebeaMitsumi, Cambodia



Amorphous transformers in power distribution, Yuko-Keiso, Vietnam

Waste



Power Generation with Methane Gas Recovery System, NTTDATA, Mexico



Waste to Energy Plant, JFE engineering, Myanmar

Transport



CNG-Diesel Hybrid Public Bus, Hokusan Co., Ltd., Indonesia

Overview of Japan's support for the JCM partner countries

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	Programme	Type of support
Ministry of the Environment	Subsidy Programme for the JCM Facility Introduction by MOEJ*	Subsidy
	Japan Fund for the JCM (JF JCM) - managed by ADB	Grant
	JCM support programme by UNIDO*	Grant for projects, technical cooperation
	Project development/capacity building/ MRV support	Technical cooperation
Ministry of Economy, Trade and Industry	JCM Feasibility Study	Technical cooperation
	JCM Demonstration Programme	Government-commissioned project
	New JCM methodologies development study JCM Crediting support / MRV application study	Technical cooperation
Ministry of Agriculture, Forestry and Fisheries	Development of MRV for JCM projects in Agriculture –implemented by ADB	Technical cooperation
	Field studies for JCM REDD+	Government-commissioned project

* These programmes can support projects implemented by government-owned companies but not those implemented by the government itself.

Subsidy Programme for the JCM Facility Introduction by MOEJ

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Budget for projects starting from FY 2025 is approx. **11.4 billion JPY** (approx. **USD 76 million**) in total by FY2026 (1 USD = 150 JPY)

Government of Japan

* Includes collaboration with projects supported by JICA and other governmental-affiliated financial institute.

Finance part of an investment cost
(**up to half**)

Conduct MRV and expected to deliver JCM credits issued

International consortiums
(which include Japanese entities)



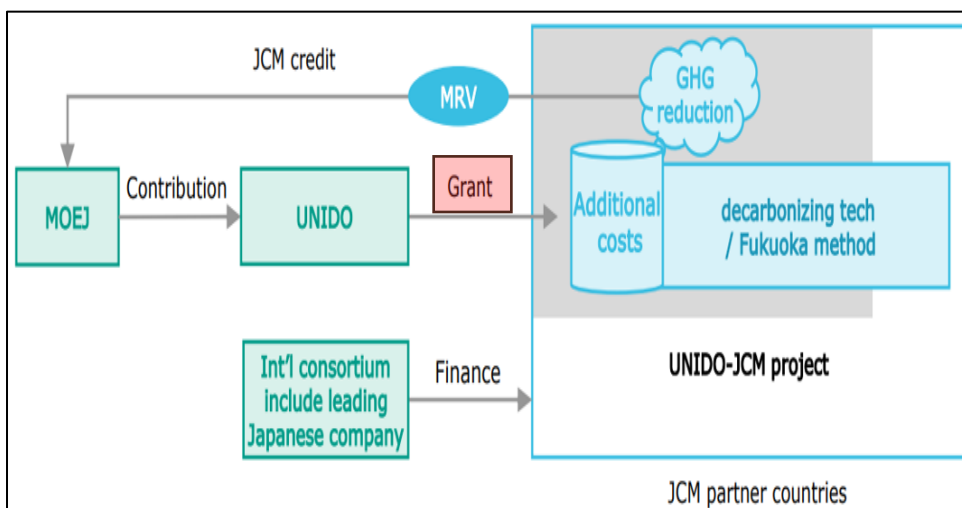
- Scope of the financing: facilities, equipment, vehicles, etc. which reduce CO₂ from fossil fuel combustion as well as construction cost for installing those facilities, etc.
- Eligible Projects: starting installation after financing is awarded and finishing installation within three years.

For more information, please visit [Call for Proposals: Subsidy Programme for the JCM Facility Introduction](#)

JCM support programme by UNIDO (by 2028)

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- UNIDO grant for early JCM projects formulation in African JCM countries: Kenya, Ethiopia, Tunisia, Senegal and Tanzania
- Eligible applicants for the Call for Proposals (CfP): leading Japanese company with the consortium comprising of at least one local firm
- A crucial evaluation point is obtaining a 'No Objection' for the Project Idea Note (PIN) from the Joint Committee (JC) of the African JCM partner country and Japan. Applicants are expected to consult relevant JC members in the host country in advance to ensure smooth implementation of the proposal under the JCM procedure.



(*) the proposed project shall refer to the existing approved/proposed JCM methodologies

(**) 30% of the grant will be disbursed upon confirmation of the evidence of the publication on the official JCM website of the proposed JCM methodology which shall be submitted as part of the final report

Targeted JCM projects	Renewable energy and/or Energy-efficiency (*)	Fukuoka method (semi-aerobic waste landfill disposal technology) (*)
Max. amount of grant (**)	USD 1,500,000	USD 500,000
Max. % of eligible cost covered by grant	75%	75%
Schedules	- 2027: Installation of the facilities/equipment until commission 2028 -: Commissioning, Monitoring, Submission of JCM Methodology draft to the JC, etc.	- 2027: Installation of the facilities/equipment until commission - 2028: Complete waste fill-in, Submission of JCM methodology draft to the JC 2029 -: Monitoring, etc.
Min. monitoring period	5 years	10 years
Cost-effectiveness	USD 30 / tCO-2	USD 60 / tCO-2

JCM Financing Programme by MOE Japan (FY2013-2025) as of September 5, 2025

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Total 269 projects (21/31 partner countries)

(● Model Project: 248 projects(including Eco Lease: 7projects), ▲F-gas: 4 projects, ■ADB: 10 projects, ■UNIDO: 3 project, ●New Technology : 2 project, ◆ REDD+: 2 projects)

214 underlined projects have been started operation.

83 projects with * have been registered as JCM projects.

Cambodia:7 projects

- LED Street Lighting*
- 200kW Solar PV at International School*
- 1MW Solar PV & Centrifugal Chiller
- Inverters for Distribution Pumps*
- 0.9MW Solar PV
- 10MW Solar PV and 3MWh Storage Battery
- 20MW Solar PV

Myanmar:8 projects

- 700kW Waste to Energy Plant*
- Brewing Systems to Brewery Factory
- Once-through Boiler in Instant Noodle Factory
- 1.8MW Rice Husk Power Generation
- Refrigeration System in Logistics Center
- 4.3MW Solar PV
- 8.8MW Waste Heat Recovery in Cement Plant
- Brewing Systems and Biogas Boiler to Brewery Factory

Bangladesh:5 projects

- Centrifugal Chiller
- Loom at Weaving Factory*
- 315kW PV-diesel Hybrid System*
- Centrifugal Chiller*
- High Efficiency Transmission Line

Tunisia:4 projects

- 50MW Solar PV1
- 50MW Solar PV2
- 100MW Solar PV
- waste management in the Fukuoka method

Saudi Arabia:3 projects

- Electrolzyer in Chlorine Production Plant*
- 400MW Solar PV
- 100MW Solar PV

Senegal : 1 projects

- Energy-Efficient Refrigeration System and Solar PV

Maldives:4 projects

- 186kW Solar Power on School Rooftop*
- Smart Micro-Grid System*
- Greater Male Waste to Energy Project
- BESS and Ocean Energy

Kenya:5 projects

- 1MW Solar PV at Salt Factory*
- 2.9MW Solar PV
- 2.3MW Solar PV
- 220kW Solar PV and Storage Battery
- 1.7MW Solar PV

Thailand:54 projects

- Energy Saving at Convenience Store
- Centrifugal Chiller & Compressor*
- Air Conditioning System & Chiller*
- Chilled Water Supply System
- 12MW Waste Heat Recovery in Cement Plant*
- Refrigerator and Evaporator
- 5MW Floating Solar PV*
- Biomass Co-generation System
- 17.8MW Solar PV in Industrial Park
- ▲ F-gas Recovery and Destruction Scheme
- 8.1MW Solar PV
- 2MW Solar PV2
- Once-through Boiler in Garment Factory
- 0.13MW Solar PV (Eco Lease)
- 4MW Solar PV
- Biomass Co-generation System
- 104MW Solar PV and 129MWh Storage Battery
- 1MW Solar PV on Factory Rooftop*
- Centrifugal Chiller in Tire Factory
- Refrigeration System*
- LED Lighting to Sales Stores
- Co-generation System PV
- Heat Recovery Heat Pump*
- Boiler System in Rubber Belt Plant
- Co-generation in Fiber Factory
- 3.4MW Solar PV
- 37MW Solar PV and Melting Furnace
- 5MW Solar PV
- 18.9MW Solar PV and Floating Solar PV
- 2MW Solar PV3
- Gas Co-generation System & 22MW Solar PV
- 0.9MW Solar PV
- Productivity Improvement of Aluminium Ingots
- 48MW Solar PV and 60MWh Storage Battery
- Upgrading Air-saving Loom*
- Co-generation in Motorcycle Factory*
- Ion Exchange Membrane Electrolyzer
- 2MW Solar PV1
- 3.4MW Solar PV*
- 30MW Solar PV*
- Air-conditioning Control System
- Biomass Boiler
- 0.8MW Solar PV and Centrifugal Chiller
- Heat Exchanger in Fiber Factory
- 2.6MW Solar PV
- Floating Solar PV
- 1.3MW Solar PV (Eco Lease)
- ORC Waste Heat Recovery
- 1.6MW Solar PV (Eco Lease)
- Perovskite Solar Cell
- Solar PV and Heat Battery

Kirghiz : 1 projects

- Low-carbon Municipal Building

Sri Lanka:3 projects

- 13.5MW Solar Power Project
- 26MW Solar Power Plants
- 10MW Solar Project

Laos:6 projects

- ◆ REDD+ through controlling shifting cultivation
- Amorphous transformers1*
- 14MW Floating Solar PV*
- 11MW Solar PV*
- Amorphous transformers2
- 7MW Solar PV

Mongolia:11 projects

- Heat Only Boiler (HOB)**
- 15MW Solar PV1*
- 15MW Solar PV2
- 15MW Solar PV and 80MWh Storage Battery
- 2.1MW Solar PV in Farm*
- Upscaling Renewable Energy Sector
- Improving Access to Health Services

Viet Nam:48 projects

- Digital Tachographs*
- Container Formation Facility*
- Electricity Kiln
- Energy Saving Equipment in Wire Production Factory*
- High Efficiency Chiller
- ▲ F-gas Recovery and Dedicated Destruction Scheme
- 49MW solar PV
- Air-conditioning in Hotel2
- 6.5MW Solar PV
- 20MW Biomass Power Plant
- 5.8MW Solar PV2
- 50MW Biomass Power Plant2
- Amorphous transformers1*
- 320kW Solar PV in Shopping Mall*
- High Efficiency Water Pumps*
- Energy Saving Equipment in Wire Production Factory*
- Modal Shift with Reefer Container
- Destruction Scheme
- 57MW solar PV
- Waste to Energy
- 2.5MW Solar PV
- 16MW Mini Hydro Power Plant
- 40MW Offshore Wind Power
- 15.9MW Solar PV

Philippines:21 projects

- 1.53MW Rooftop Solar PV*
- 4MW Solar PV*
- 29MW Binary Geothermal Power Generation
- ▲ F-gas Recovery and Destruction Scheme
- 14.5MW Mini Hydro Power Plant
- 5.6MW Binary Geothermal Power Generation
- 6MW Waste Heat Recovery in Cement Plant
- 11.3MW Mini Hydro Power Plant
- 4.5MW Mini Hydro Power Plant
- 1MW Rooftop Solar PV*
- 9.6MW Solar PV
- Biogas Power Generation and Fuel Conversion
- 20MW Flash Geothermal Power Plant
- 28MW Binary Geothermal Power Generation
- 9MW Solar PV
- 0.8MW Solar PV (Eco Lease)
- 27MW Solar PV
- 10MW Solar PV
- 1.2MW Rooftop Solar PV*
- 0.8MW Solar PV (Eco Lease)
- 1.2MW Solar PV (Eco Lease)
- 7MW Solar PV

Papua New Guinea : 1 projects

- Energy efficient transmission conductors

Palau:7 projects

- 370kW Solar PV for Commercial Facilities*
- 445kW Solar PV for Commercial Facilities II*
- 1MW Solar PV for Supermarket*
- 0.6MW Solar PV and 0.3MWh Storage Battery
- 155kW Solar PV for School*
- 0.4MW Solar PV for Supermarket*
- Clean Energy Financing Project

Indonesia:57 projects

- Centrifugal Chiller at Textile Factory1*
- Double Bundle-type Heat Pump*
- 500kW Solar PV and Storage Battery*
- Old Corrugated Cartons Process*
- Smart LED Street Lighting System*
- Once-through Boiler in Golf Ball Factory*
- 10MW Hydro Power Plant1*
- 2.7MW Solar PV
- Gas Co-generation system
- CNG-Diesel Hybrid Public Bus*
- 2MW Mini Hydro Power Plant
- 6MW Hydro Power Plant2
- 2.1MW Solar PV1
- Once-through Boiler in Chemical Factory
- 3.5MW Hydro Power Plant
- 12MW Biomass Power Plant
- 0.8MW Solar PV
- Biogas Conversion
- Energy Saving at Convenience Store*
- Centrifugal Chiller at Textile Factory 2*
- Regenerative Burners*
- Upgrading to Air-saving Loom*
- Once-through Boiler System in Film Factory*
- 1.6MW Solar PV in Jakabaring Sport City*
- Looms in Weaving Mill*
- Industrial Wastewater Treatment System
- 0.7MW Solar PV
- Rehabilitation of Hydro Power Plant*
- Boiler to Carton Box Factory
- 5MW Hydro Power Plant
- 6MW Hydro Power Plant3
- 5MW Solar PV
- Energy Saving and Solar PV
- 3MW Solar PV
- Energy Saving in Glass Manufacturing Process
- Refrigerants to Cold Chain Industry**
- 30MW Waste Heat Recovery in Cement Industry*
- Centrifugal Chiller at Textile Factory*
- Centrifugal Chiller in Shopping Mall*
- Gas Co-generation System*
- ◆ REDD+ through controlling slush-and burn
- LED Lighting to Sales Stores*
- 0.5MW Solar PV*
- High Efficiency Autoclave1*
- Injection Molding Machine
- 6MW Hydro Power Plant1
- Thermal Oil Heater System
- High Efficiency Autoclave2*
- 2.1MW Solar PV2
- 10MW Hydro Power Plant2
- 4.2MW Solar PV*
- 2.3MW Hydro Power Plant
- 3.1MW Solar PV
- 55MW Geothermal Power Generation
- Improvement of Flat Glass Production Melting Furnace
- 1.5MW Solar PV

Mexico:5 projects

- 1.2MW Power Generation with Methane Gas Recovery System
- Once-through Boiler and Fuel Switching
- 30MW Solar PV1
- Energy Efficient Distillation System
- 0.5MW Solar PV (Eco Lease)

Costa Rica:2 projects

- 5MW Solar PV*
- Chiller and Heat Recovery System

Chile:16 projects

- 1MW Rooftop Solar PV*
- 3MW Solar PV1*
- 9MW Solar PV1
- 6MW Solar PV
- 28MW Solar PV
- 34MW Solar PV and 104MWh Storage Battery
- 12MW Solar PV and 33MWh Storage Battery
- 3MW Solar PV2*
- 9MW Solar PV2
- 9MW Solar PV3
- 2.0MW Solar PV
- 338MWh Storage Battery in PV Plant
- 3.4MW Rice Husk Power Generation
- 25.8MW Solar PV
- 3MW Solar PV3
- 9MW Solar PV4

JCM Project Development

- To **identify barriers and needs** for JCM project development in partner countries in terms of technology, financing and partnership, and **provide solutions for overcoming barriers** through consultations.
- To **enhance overall capacity for JCM implementation** through facilitating understanding on the JCM rules & guidelines, and MRV methodologies by organizing workshops, seminars, training courses and site visits.
- **JCM Business Matching Site “JCM Global Match”** provides business matching opportunities for sellers and buyers of low and zero carbon technology for the JCM project.



<https://gec.force.com/JCMGlobalMatch/s/>



Thank you for your kind attention!

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