

# JCM Financing Programme by MOE Japan (FY2013 ~ 2023) as of September 11, 2023

**Total 232 projects (27 partner countries)**

(● Model Project: 219 projects (including Eco Lease: 7 projects), ■ ADB: 6 projects, ■ UNIDO: 1 project, ◆ REDD+: 2 projects, ▲ F-gas: 4 projects)

**154 underlined projects** have been started operation.

**71 projects with \*** have been registered as JCM projects.

## Cambodia: 5 projects

- LED Street Lighting\*
- 200kW Solar PV at International School\*
- Solar PV & Centrifugal Chiller
- Inverters for Distribution Pumps\*
- 0.9MW 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

## Maldives: 3 projects

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

## Saudi Arabia: 3 projects

- Electrolyzer in Chlorine Production Plant
- 400MW Solar PV
- 100MW Solar PV

## Ethiopia: 1 project

- 120MW Solar PV

## Kenya: 5 projects

- 1MW Solar PV at Salt Factory\*
- 3.1MW Solar PV
- 2.3MW Solar PV
- 230kW Solar PV and Storage Battery
- 1.5MW Solar PV

## Laos: 6 projects

- ◆ REDD+ through controlling slush-and-burn
- Amorphous transformers\*
- 11MW Solar PV\*
- Amorphous transformers2
- 14MW Floating Solar PV\*
- 19MW Solar PV

## Thailand: 51 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
- Heat Exchanger in Fiber Factory
- 5MW Solar PV
- 32MW Solar PV and Floating Solar PV
- 35MW Solar PV and Storage Battery
- 1.3MW Solar PV (Eco Lease)
- ORC Waste Heat Recovery
- Methane Avoidance and Biomass Boiler in Fruit Processing Factory
- 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
- 0.8MW Solar PV and Centrifugal Chiller
- 37MW Solar PV and Melting Furnace
- Centrifugal Chiller to Machinery Factory
- 2.7MW Solar PV with Blockchain Technology
- Once-through Boiler in Garment Factory
- 2MW Solar PV3
- 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
- 2.9MW Solar PV
- 1.6MW Solar PV (Eco Lease)
- 1.55kW Solar PV for School\*
- 445kW Solar PV for Commercial Facilities II\*
- 0.4MW Solar PV for Supermarket\*
- 1MW Solar PV for Supermarket
- Gas Co-generation System & 22MWSolar PV
- 2.9MW Solar PV
- 1MW Solar PV

## Mongolia: 9 projects

- Heat Only Boiler (HOB)\*\*
- 15MW Solar PV1\*
- Improving Access to Health Services
- 2.1MW Solar PV in Farm\*
- Upscaling Renewable Energy Sector
- 15MW Solar PV2
- 10MW Solar PV\*
- Fuel Conversion by Introduction of LPG Boilers
- 8.3MW Solar PV in Farm\*

## Viet Nam: 44 projects

- Digital Tachographs\*
- Container Formation Facility\*
- Air-conditioning Control System
- Energy saving Equipment in Lens Factory\*
- Amorphous transformers 4
- ▲ Modal Shift with Reefer Container
- ▲ F-gas Recovery and Dedicated Destruction Scheme
- 49MW solar PV
- Air-conditioning in Hotel2
- 12MW Solar PV
- ▲ F-gas Recovery and Mixed Combustion Scheme
- 7.9MW Solar PV
- 1.8MW Solar PV
- Amorphous transformers1\*
- Air-conditioning in Hotel1\*
- 320kW Solar PV in Shopping Mall\*
- Electricity Kiln
- Amorphous transformers 3\*
- Energy Saving Equipment in Brewery Factory
- Inverters for Raw Water Intake Pumps
- Biomass Boiler to Chemical Factory
- Once-through Boiler to Food Factory
- Waste to Energy
- 9.8MW Solar PV
- 5.8MW Solar PV
- 0.4MW Solar PV (Eco Lease)
- 0.8MW Solar PV
- Air-conditioning in Lens Factory\*
- Amorphous transformers 2\*
- High Efficiency Water Pumps\*
- Energy Saving Equipment in Wire Production Factory\*
- High Efficiency Chiller
- Air Cooled Chillers
- Biomass Boiler
- 9MW Solar PV
- Chiller and LED
- 16MW Mini Hydro Power Plant
- 48MW Offshore Wind Power

## Philippines: 17 projects

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

## Palau: 5 projects

- 370kW Solar PV for Commercial Facilities\*
- 155kW Solar PV for School\*
- 445kW Solar PV for Commercial Facilities II\*
- 0.4MW Solar PV for Supermarket\*
- 1MW Solar PV for Supermarket

## Indonesia: 50 projects

- Centrifugal Chiller at Textile Factory\*
- Refrigerants to Cold Chain Industry\*\*
- Centrifugal Chiller at Textile Factory 2\*
- 500kW Solar PV and Storage Battery\*
- Centrifugal Chiller at Textile Factory 3\*
- Upgrading to Air-saving Loom\*
- Smart LED Street Lighting System
- Gas Co-generation System\*
- 1.6MW Solar PV in Jakabaring Sport City\*
- 10MW Hydro Power Plant1
- Industrial Wastewater Treatment System
- Absorption Chiller\*
- Rehabilitation of Hydro Power Plant
- Boiler to Carton Box Factory
- 6MW Hydro Power Plant2
- 8MW Mini Hydro Power Plant
- 6MW Hydro Power Plant3
- Once-through Boiler in Chemical Factory
- 2.1MW Solar PV
- 55MW Geothermal Power Generation
- 0.5MW Solar PV\*
- High Efficiency Autoclave1
- Injection Molding Machine
- 10MW Hydro Power Plant2
- 5MW Hydro Power Plant
- Thermal Oil Heater System
- 2.3MW Hydro Power Plant
- 5MW Solar PV
- 3.5MW Hydro Power Plant
- 1.2MW Biomass Power Plant
- Energy Saving at Convenience Store\*
- Double Bundle-type Heat Pump\*
- 30MW Waste Heat Recovery in Cement Industry\*
- Regenerative Burners\*
- Old Corrugated Cartons Process\*
- Centrifugal Chiller in Shopping Mall\*
- Once-through Boiler System in Film Factory\*
- Once-through Boiler in Golf Ball Factory\*
- ◆ REDD+ through controlling slush-and-burn
- LED Lighting to Sales Stores
- Gas Co-generation system
- CNG-Diesel Hybrid Public Bus
- 2MW Mini Hydro Power Plant
- 6MW Hydro Power Plant1
- 4.2MW Solar PV
- 3.3MW Rooftop Solar PV
- High Efficiency Autoclave2
- 3.1MW Solar PV
- Energy Saving and 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: 13 projects

- 1MW Rooftop Solar PV\*
- 3.4MW Rice Husk Power Generation
- 3MW Solar PV1\*
- 25.8MW Solar PV
- 9MW Solar PV2
- 6MW Solar PV
- 9MW Solar PV2
- 2.0MW Solar PV
- 3MW Solar PV2
- 9MW Solar PV1
- 47MW Solar PV
- 9MW Solar PV1