

# JCM Financing Programme by MOEJ (FY2013~2022) as of September 29, 2022

## Total 223 projects (22 partner countries)

(● Model Project: 211 projects (including Eco Lease: 5 projects), ■ ADB: 5 projects, ■ UNIDO: 1 project, ◆ REDD+: 2 projects, ▲ F-gas: 4 projects) Other 1 project in Malaysia

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

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

### Cambodia: 6 projects

- LED Street Lighting\*
- 200kW Solar PV at International School\*
- Solar PV & Centrifugal Chiller
- Inverters for Distribution Pumps
- Solar PV & Biomass Power Plant
- 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
- 7.3MW 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: 2 projects

- Electrolyzer in Chlorine Production Plant
- 400MW Solar PV

### Ethiopia: 1 project

- 120MW Solar PV

### Kenya: 4 projects

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

### Laos: 6 projects

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

### Thailand: 51 projects

- Energy Saving at Convenience Store
- Upgrading Air-saving Loom\*
- Centrifugal Chiller & Compressor\*
- Centrifugal Chiller in Tire Factory
- Co-generation in Motorcycle Factory\*
- Air Conditioning System & Chiller\*
- Refrigeration System\*
- Ion Exchange Membrane Electrolyzer
- Chilled Water Supply System
- LED Lighting to Sales Stores
- 2MW Solar PV1
- 1.2MW Waste Heat Recovery in Cement Plant\*
- Co-generation System PV
- 3.4MW Solar PV\*
- Refrigerator and Evaporator
- Heat Recovery Heat Pump\*
- 30MW Solar PV\*
- 5MW Floating Solar PV\*
- Boiler System in Rubber Belt Plant
- Air-conditioning Control System
- Biomass Co-generation System
- Co-generation in Fiber Factory
- Biomass Boiler
- 25MW Solar PV in Industrial Park
- 3.4MW Solar PV
- 0.8MW Solar PV and Centrifugal Chiller
- ▲ F-gas Recovery and Destruction Scheme
- 37MW Solar PV and Melting Furnace
- Heat Exchanger in Fiber Factory
- 8.1MW Solar PV
- Centrifugal Chiller to Machinery Factory
- 5MW Solar PV
- 2.6MW Solar PV
- 2MW Solar PV2
- 2.7MW Solar PV with Blockchain Technology
- 32MW Solar PV and Floating Solar PV
- 23MW Solar PV
- Once-through Boiler in Garment Factory
- 35MW Solar PV and Storage Battery
- 2MW Solar PV3
- Boiler, Chiller and PV
- 1.85MW Solar PV (Eco Lease)
- 0.13MW Solar PV (Eco Lease)
- Gas Co-generation System & 22MW Solar PV
- ORC Waste Heat Recovery
- 4MW Solar PV
- 2.9MW Solar PV
- 1MW Solar PV
- Methane Avoidance and Biomass Boiler in Fruit Processing Factory
- 1.6MW Solar PV (Eco Lease)

### Mongolia: 8 projects

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

### Viet Nam: 42 projects

- Digital Tachographs\*
- Amorphous transformers 1\*
- Air-conditioning in Hotel 1\*
- Electricity Kiln
- Air-conditioning in Lens Factory\*
- Container Formation Facility\*
- Amorphous transformers 2\*
- 320kW Solar PV in Shopping Mall\*
- Air-conditioning Control System
- High Efficiency Water Pumps\*
- Energy saving Equipment in Lens Factory\*
- Amorphous transformers 3\*
- Amorphous transformers 4
- Energy Saving Equipment in Wire Production Factory\*
- Energy Saving Equipment in Brewery Factory
- High Efficiency Chiller
- Modal Shift with Reefer Container
- Inverters for Raw Water Intake Pumps
- ▲ F-gas Recovery and Dedicated Destruction Scheme
- Biomass Boiler to Chemical Factory
- 57MW solar PV
- Air-Conditioning System and Air Cooled Chillers
- 49MW solar PV
- Once-through Boiler to Food Factory
- Biomass Boiler
- Biomass Co-generation System
- Air-conditioning in Hotel 2
- 2MW Solar PV
- Waste to Energy
- LED Lighting to Office Building
- 9MW Solar PV
- 10MW Rice Husk Power Plant
- 12MW Solar PV
- 9.8MW Solar PV
- 5.8MW Solar PV
- 2.5MW Solar PV
- Chiller and LED
- ▲ F-gas Recovery and Mixed Combustion Scheme
- 20MW Biomass Power Plant
- 16MW Mini Hydro Power Plant
- 7.9MW Solar PV
- 0.4MW Solar PV (Eco Lease)
- 5.7MW Solar PV

### Philippines: 17 projects

- 1.53MW Rooftop Solar PV\*
- 1MW Rooftop Solar PV
- 4MW Solar PV\*
- 33MW Wind Power
- 60MW Solar PV
- 29MW Binary Geothermal Power Generation
- 20MW Flash Geothermal Power Plant
- Air Conditioning System
- ▲ F-gas Recovery and Destruction Scheme
- 28MW Binary Geothermal Power Generation
- 14.5MW Mini Hydro Power Plant
- 9MW Solar PV
- 0.8MW Solar PV (Eco Lease)
- 1.2MW Rooftop Solar PV\*
- 18MW Solar PV
- 2MW Solar PV (Eco Lease)
- 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: 47 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 Plant 1
- Looms in Weaving Mill\*
- LED Lighting to Sales Stores
- Industrial Wastewater Treatment System
- 0.5MW Solar PV\*
- Gas Co-generation system
- Absorption Chiller\*
- High Efficiency Autoclave 1
- CNG-Diesel Hybrid Public Bus
- Rehabilitation of Hydro Power Plant
- 12MW Biomass Power Plant
- Injection Molding Machine
- 2MW Mini Hydro Power Plant
- Boiler to Carton Box Factory
- 10MW Hydro Power Plant 2
- 6MW Hydro Power Plant 1
- 6MW Hydro Power Plant 2
- 5MW Hydro Power Plant
- 4.2MW Solar PV
- 8MW Mini Hydro Power Plant
- Thermal Oil Heater System
- 3.3MW Rooftop Solar PV
- 6MW Hydro Power Plant 3
- 2.3MW Hydro Power Plant
- High Efficiency Autoclave 2
- Once-through Boiler in Chemical Factory
- 5MW Solar PV
- 3.1MW Solar PV
- 2.1MW Solar PV
- 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

### Mexico: 5 projects

- 1.2MW Power Generation with Methane Gas Recovery System
- Once-through Boiler and Fuel Switching
- 20MW Solar PV
- 30MW Solar PV1
- Energy Efficient Distillation System

### Chile: 11 projects

- 1MW Rooftop Solar PV\*
- 3.4MW Rice Husk Power Generation
- 3MW Solar PV1\*
- 3MW Solar PV2
- 34MW Solar PV
- 9MW Solar PV1
- 9MW Solar PV2
- 3MW Solar PV3
- 6MW Solar PV
- 9MW Solar PV1
- 9MW Solar PV2

### Costa Rica: 2 projects

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