## JCM Financing Programme by MOE Japan (FY2013-2023) as of August 7, 2024

**Total 246 projects (29 partner countries)** 

(●Model Project: 230 projects(including Eco Lease: 7projects), ■ADB: 8 projects, ■UNIDO: 1 project, ◆ REDD+: 2 projects, ▲F-gas: 4 projects, ●New Technology: 1 project)

179 underlined projects have been started operation.

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

## Cambodia:5 projects Mongolia:10 projects • LED Street Lighting\* 200kW Solar PV at International School\* Heat Only Boiler (HOB)\*\* 2.1MW Solar PV in Farm\* 10MW Solar PV\* • 8.3MW Solar PV in Farm \* • 1MW Solar PV & Centrifugal Chiller Inverters for Distribution Pumps\* 15MW Solar PV1\* ■ <u>Upscaling Renewable Energy Sector</u> • Fuel Conversion by Introduction of LPG Boilers 0.9MW Solar PV 15MW Solar PV2 Viet Nam:50 projects Myanmar:8 projects Digital Tachographs\* Amorphous transformers1\* Air-conditioning in Hotel1\* Air-conditioning in Lens Factory\* • 700kW Waste to Energy Plant\* • Brewing Systems to Container Formation Facility\* 320kW Solar PV in Shopping Mall\* Amorphous transformers 2\* Brewery Factory Once-through Boiler in Instant Noodle Factory Air-conditioning Control System Electricity Kiln High Efficiency Water Pumps\* 1.8MW Rice Husk Power Generation Energy saving Equipment in Lens Factory\* Amorphous transformers 3\* Energy Saving Equipment in Wire Production Factory\* Refrigeration System in Logistics Center •4.3MW Solar PV Amorphous transformers 4 Energy Saving Equipment in Brewery Factory High Efficiency Chiller 8.8MW Waste Heat Recovery in Cement Plant Modal Shift with Reefer Container • Inverters for Raw Water Intake Pumps F-gas Recovery and Dedicated Destruction Scheme Brewing Systems and Biogas Boiler to Brewery Factory Biomass Boiler to Chemical Factory Air Cooled Chillers 49MW solar PV ● 57MW solar PV Once-through Boiler to Food Factory Biomass Boiler Air-conditioning in Hotel2 Bangladesh:5 projects LED Lighting to Office Building • 12MW Solar PV Waste to Energy 9MW Solar PV Centrifugal Chiller Loom at Weaving Factory\* 9.8MW Solar PV • 5.8MW Solar PV 2.5MW Solar PV Chiller and LED 315kW PV-diesel Hybrid System\* ▲ F-gas Recovery and Mixed Combustion Scheme • 20MW Biomass Power Plant 16MW Mini Hydro Power Plant Centrifugal Chiller\* ■ High Efficiency Transmission Line • 7.9MW Solar PV • 0.4MW Solar PV (Eco Lease) 5.7MW Solar PV 40MW Offshore Wind Power ●1.8MW Solar PV ● 0.8MW Solar PV • 50MW Biomass Power Plant1 • 50MW Biomass Power Plant2 Biomass Co-generation System • 15MW Solar PV 1.9MW Solar PV 4.1MW Solar PV • 1.25MW Solar PV Tunisia:2 projects Philippines: 20 projects Mexico:5 projects • 50MW Solar PV2 ●50MW Solar PV1 • 1.53MW Rooftop Solar PV \* • 1MW Rooftop Solar PV 1.2MW Rooftop Solar PV \* • 1.2MW Power Generation with Methane Gas Recovery 4MW Solar PV \* 9.6MW Solar PV Biogas Power Generation and Fuel Conversion System Saudi Arabia: 3 projects • 29MW Binary Geothermal Power Generation 20MW Flash Geothermal Power Plant Once-through Boiler and Fuel Switching ▲ F-gas Recovery and Destruction Scheme 28MW Binary Geothermal Power Generation • 30MW Solar PV1 <u>Electorolyzer in Chlorine Production Plant\*</u> • 14.5MW Mini Hydro Power Plant • 400MW Solar PV • 100MW Solar PV 9MW Solar PV Energy Efficient Distillation System Sri Lanka:1 project • 0.8MW Solar PV (Eco Lease) • 5.6MW Binary Geothermal Power Generation 0.5MW Solar PV (Eco Lease) • 13.5MW Solar Power Project • 6MW Waste Heat Recovery in Cement Plant 27MW Solar PV Maldives:4 projects • 1.2MW Solar PV (Eco Lease) • 11.3MW Mini Hydro Power Plant • 10MW Solar PV Costa Rica: 2 projects • 186kW Solar Power on School Rooftop\* 5MW Solar PV\* 7MW Solar PV ■ Smart Micro-Grid System\* Chiller and Heat Recovery System Greater Male Waste to Energy Project Chile: 15 projects ■BESS and Ocean Energy Palau:6 projects 1MW Rooftop Solar PV\* • 3.4MW Rice Husk Power Generation • 370kW Solar PV for Commercial Facilities\* 3MW Solar PV1\* 25.8MW Solar PV 155kW Solar PV for School\* 9MW Solar PV1 9MW Solar PV2 •3MW Solar PV3 Kenya:5 projects Laos:6 projects 445kW Solar PV for Commercial Facilities II \* ● 6MW Solar PV • 9MW Solar PV3 9MW Solar PV4 • 1MW Solar PV at Salt Factory\* ◆ REDD+ through controlling slush-and-burn 0.4MW Solar PV for Supermarket\* 48MW Solar PV 2.0MW Solar PV 3.1MW Solar PV Amorphous transformers1\* 1MW Solar PV for Supermarket 26.3MW Solar PV and 48MWh Storage Battery 2.3MW Solar PV 14MW Floating Solar PV\* Clean Energy Financing Project • 294MWh Storage Battery in PV Plant ■ 11MW Solar PV\* 230kW Solar PV and Storage Battery • 1.7MW Solar PV 7MW Solar PV Indonesia:51 projects Amorphous transformers2 Centrifugal Chiller at Textile Factory1\* Energy Saving at Convenience Store\* Refrigerants to Cold Chain Industry\*\* Double Bundle-type Heat Pump\* Thailand:48 projects Centrifugal Chiller at Textile Factory 2\* • 30MW Waste Heat Recovery in Cement Industry\* Energy Saving at Convenience Store 1MW Solar PV on Factory Rooftop\* ● Upgrading Air-saving Loom\* 500kW Solar PV and Storage Battery\* Regenerative Burners\* Centrifugal Chiller & Compressor\* Centrifugal Chiller in Tire Factory Co-generation in Motorcycle Factory\* Centrifugal Chiller at Textile Factory\* Old Corrugated Cartons Process\* Air Conditioning System & Chiller\* Refrigeration System\* Ion Exchange Membrane Electrolyzer Upgrading to Air-saving Loom\* Centrifugal Chiller in Shopping Mall\* Chilled Water Supply System LED Lighting to Sales Stores 2MW Solar PV1 Smart LED Street Lighting System Once-through Boiler System in Film Factory\* • 12MW Waste Heat Recovery in Cement Plant \* • Co-generation System PV • 3.4MW Solar PV\* Gas Co-generation System\* Once-through Boiler in Golf Ball Factory\* Refrigerator and Evaporator Heat Recovery Heat Pump \* ●30MW Solar PV\* 1.6MW Solar PV in Jakabaring Sport City\* ◆ REDD+ through controlling slush-and burn ● 5MW Floating Solar PV\* Boiler System in Rubber Belt Plant Air-conditioning Control System Looms in Weaving Mill\* LED Lighting to Sales Stores 10MW Hydro Power Plant1 Biomass Co-generation System Co-generation in Fiber Factory Biomass Boiler • 0.5MW Solar PV\* Industrial Wastewater Treatment System Gas Co-generation system 0.8MW Solar PV and Centrifugal Chiller • 17.8MW Solar PV in Industrial Park 3.4MW Solar PV Absorption Chiller\* High Efficiency Autoclave1 CNG-Diesel Hybrid Public Bus ▲ F-gas Recovery and Destruction Scheme 37MW Solar PV and Melting Furnace • 2MW Mini Hydro Power Plant • Rehabilitation of Hydro Power Plant Injection Molding Machine Heat Exchanger in Fiber Factory ●8.1MW Solar PV Centrifugal Chiller to Machinery Factory Boiler to Carton Box Factory • 10MW Hydro Power Plant2 ●6MW Hvdro Power Plant1 ● <u>5MW Solar PV</u> ● <u>2.6MW Solar PV</u> 2MW Solar PV2 2.7MW Solar PV with Blockchain Technology • 6MW Hydro Power Plant2 5MW Hydro Power Plant 4.2MW Solar PV • 18.9MW Solar PV and Floating Solar PV • Once-through Boiler in Garment Factory Thermal Oil Heater System 2.1MW Rooftop Solar PV ●6MW Hvdro Power Plant3 • 1.3MW Solar PV (Eco Lease) Boiler, Chiller and PV 2MW Solar PV3 2.3MW Hvdro Power Plant High Efficiency Autoclave2 Once-through Boiler in Chemical Factory 0.13MW Solar PV (Eco Lease) Gas Co-generation System & 22MWSolar PV • 5MW Solar PV • 3.1MW Solar PV 2.1MW Solar PV ORC Waste Heat Recovery • 4MW Solar PV 2.9MW Solar PV 0.9MW Solar PV 3.5MW Hvdro Power Plant Energy Saving and Solar PV ■55MW Geothermal Power Generation • 1.6MW Solar PV (Eco Lease)

• 12MW Biomass Power Plant

3MW Solar PV

Improvement of Flat Glass Production Melting Furnace