

Mitsubishi UFJ Morgan Stanley Securities: Project Highlights

Host Country	Project Type	Client	CDM or JI	Methodology	Est. CERs (ERUs) / year	Project Description
Brazil	Renewable energy (hydro)	Companhia Energé tica Integrada Ltda.	CDM	AMS-I.D	6,325	The project involves the construction of two small hydroelectric power stations on the Macaubas River in Minas Gerais state. After the installation of all units it is expected that the project will generate approximately 34,339 MWh/year.
Brazil	Biomass heat generation	Geradora de Energia Eletrica Alegrete Ltd.	CDM	AMS-I.D, AMS-III.E	18,341	A 5 MW Biomass Thermal Plant will be installed. The main fuel will be rice husks, which are currently left to decay in the open air. CERs are claimed for displacement of grid electricity and also for avoidance of methane emissions. REGISTERED July 2008; CERs issued to date: 2,070
Brazil	Biomass thermal treatment	Geradora de Energia Eletrica Alegrete Ltd. Silica Sul Brasil Ltd.	CDM	ACM0002, AMS-I.D, AMS-III.E, AMS-III.G	19,223	A biomass thermal treatment plant will be installed to produce high quality silica using rice husk as fuel. The rice husk is currently left to decay in the open air. CERs are claimed for avoidance of methane emissions. REGISTERED September 2007
Cambodia	Methane extraction from animal waste	Samrong Thom Animal Husbandry	CDM	AMS-I.A, AMS-III.D	5,593	Liquid waste from a pig farm will be treated in a covered lagoon to extract methane. The methane will be used to power a 200 kW gas engine, which will provide electricity for the piggery, and for the local rural electricity distribution enterprise. REGISTERED December 2008
Cambodia	Biomass power generation	Angkor Bio Cogen Co., Ltd	CDM	AMS-I.A., AMS-III.E	51,620	A 2 MW generator will be installed, to be powered by rice husks. The rice husks are currently left to decay in the open air. CERs are claimed for displacement of grid electricity and also for avoidance of methane emissions. REGISTERED August 2006

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China	Waste heat recovery and power generation	SDIC Hainan Cement Co., Ltd.	CDM	ACM0004, ACM0002	41,548	Low temperature waste heat from the clinker production process at a cement plant will be used as the energy source for a waste heat recovery boiler. The boiler will power an 8MW turbine. The project will displace approximately 48,000 MWh per annum of electricity currently consumed by the cement plant from the Hainan grid. REGISTERED March 2008; CERs issued to date: 109,612
China	Renewable energy (hydro)	Mitsubishi Corporation	CDM	ACM0002	65,569	The project involves the installation and operation of a 25.2 MW (6.3MWx4) run-of-river-type hydropower station along the Beiliu River, in the Guangxi Zhuang Autonomous Region in China. REGISTERED February 2009; CERs issued to date: 95,520
China	Cogeneration from MSW and sludge	CECIC Blue - Sky Investment Consulting & Management Co. Ltd	CDM	AM0025	127,909	Co-generation from combustion of MSW and sludge in Shaoxing City. Methane emissions from the disposal of the MSW at landfill will be avoided. The electricity generated will be exported to the grid and thermal energy will be supplied to a local industrial facility that used coal boilers in the baseline. REGISTERED December 2009
China	Renewable energy (wind)	Jiangsu Dongling Wind Power Development Co. Ltd.	CDM	ACM0002	136,709	This wind farm, with 70.5MW capacity, will involve the installation of 47 sets of generators along the coastline of the Yellow Sea in Jiangsu Province. Generated electricity will be supplied to the East China Grid. REGISTERED March 2010; CERs issued to date: 68,080
China	Renewable energy (hydro)	Gengma County Tiechan River Power Plant	CDM	AMS-I.D	36,400	A 12.6MW run-of-river hydropower plant in Yunnan Province, with expected annual power supply to the grid of 46,200MWh. REGISTERED October 2010; CERs issued to date: 21,466
China	Renewable energy (hydro)	Fugong Fuxin Co., Ltd.	CDM	ACM0002	74,607	The Project is a run-of-river hydropower project in Yunnan Province, China, that will supply electricity to the South China Power Grid. Two 12MW turbines will be installed to give a total installed capacity of 24MW. REGISTERED October 2009; CERs issued to date: 62,781

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China	Renewable energy (hydro)	Miyi County Wantan Water and Electric Power Development Co. Ltd.	CDM	ACM0002	131,420	A 32MW run-of-river hydropower project in Sichuan Province, with expected power generation of approximately 135,000 MWh of electricity annually. REGISTERED November 2009; CERs issued to date: 35,344
China	Renewable energy (wind)	CECIC Wind - Power (Gansu) Co., Ltd	CDM	ACM0002	425,689	The project involves the construction and operation of a large of a 201MW wind power project in Gansu Province, with expected annual power generation of approximately 463,714 MWh. This project is the next phase of an earlier wind farm project with the same client. REGISTERED April 2011
China	Renewable energy (wind)	Morgan Stanley & Co.International plc	CDM	ACM0002	430,588	The project involves the construction and operation of a 201MW wind power project in Gansu Province, with expected annual power generation of approximately 431,949MWh. REGISTERED September 2011
China	Biogas extraction and injection to gas grid	Dalian Dongtai Organic Waste Treatment Co., Ltd	CDM	AM0025, AM0053	22,685	Biogas will be extracted from sewage sludge, purified, and injected into Dalian City's natural gas grid. REGISTERED October 2011
China	Renewable energy (hydro)	Longnan City Wenjian Water and Electricity Co., Ltd.	CDM	ACM0002	115,934	A 32MW run-of-river hydropower project in Gansu Province, with expected power generation of approximately 143,000 MWh of electricity annually.
China	Geothermal district heating system	Shaanxi Green Geothermal Energy Development Co., Ltd.	CDM	AM0072	96,021	The project involves the expansion of geothermal district heating systems, displacing coal-fired heating systems in Xianyang City, Shaanxi Province

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China	Renewable energy (hydro)	Renhua County Daxing Hydropower Co., Ltd	CDM	AMS-I.D	31,659	A 10.5MW hydropower plant with reservoir. The project is expected to generate approximately 40,182MWh of renewable electricity per year. REGISTERED September 2011
China	Methane recovery and utilisation	Chongqing Ton Gu Tan Coal Management Co. Ltd.	CDM	ACM0008	110,230	The Project will utilize the coal mine methane captured by the Wansheng Pingxiang Coalmine to generate electricity. Approximately 14,515MWh (8,709MWh in the first phase) of electricity will be delivered to the China Central Power Grid.
Costa Rica	Renewable energy (wind)	Eólico Valle Central S.A. Nórdica de Tecnología y Comercio S.A.	CDM	ACM0002	13,697	The project is developed by Eólico Valle Central S.A. and involves the installation of 17 wind turbines of 900 MW each, leading to a total installed capacity of 15.3MW. Once fully operational, the proposed project activity is expected to deliver about 40.764 GWh of electricity per year to the NIS, the Costa Rican national grid.
Ecuador	Renewable energy (wind)	Fideicomiso Mercantil Energía Renovable para Galápagos	CDM	AMS-I.F	8,936	A 7.5MW wind power project on the Island of Baltra, the Galapagos Islands. The project displaces electricity generation from the diesel generators at the island's main power station.
Egypt	Renewable energy (wind)	The Japan Bank for International Cooperation	CDM	ACM0002	248,609	The project is a 120MW wind power generation project in Zafarana, Egypt. It involves the construction and operation of 120 wind turbine units, each with 1MW capacity. The project is being developed by the New and Renewable Energy Authority (NREA) and is assisted by ODA loans from JBIC. The PDD was released for NM0036 which was approved as part of AM0002. REGISTERED June 2007
India	Renewable energy (wind)	Mysore Mercantile Company Limited	CDM	AMS-I.D	14,334	7.2 MW wind power generation project in Borenahalli and Mathigatta Villages, State of Karnataka. The project will install 9 numbers of 800 kW wind turbine generators. REGISTERED February 2008; CERs issued to date: 33,452

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India	Renewable energy (wind)	KL Rathi Steels Ltd	CDM	AMS-I.D	2,710	This small scale, 1.5MW wind power generation project in the Kutch District will provide power to the Indian grid. REGISTERED October 2009
India	Biomass power generation	Shree Nakoda Ispat Ltd.	CDM	AMS-I.D	57,525	This 12 MW Biomass based Power Generation project is being developed by a Sponge Iron manufacturer. The project will use Rice husk as the main biomass for power generation. The power generated by the project will displace grid electricity. REGISTERED October 2010
India	Renewable energy (wind)	KL Rathi Steels Ltd	CDM	AMS-I.D	6,696	4.5 MW wind power generation project in Akal Site, District Jaisalmer, Rajasthan. The project will install three Suzlon 1.5 MW wind turbine generators and supply the electricity generated to the grid.
Indonesia	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AM0022	271,436	Installation of a closed anaerobic wastewater treatment and biogas extraction system at an existing tapioca starch manufacturing plant, which is currently treated at an open lagoon based system, which is further utilised for electricity generation. Location: Lampung Province. REGISTERED November 2007
Indonesia	Biomass power generation	PT Nagamas Palm Oil Lestari	CDM	AMS-ID, AMS I-C	77,471	The project involves the construction of a biomass fired CHP power plant utilizing palm kernel and fibre. Both steam and electricity is supplied to captive users. REGISTERED November 2007
Indonesia	Natural gas co-generation	PT Manunggal Energi Nusantara	CDM	AM0014	42,622	The Project will generate of 13.6MW of electricity and 9.5tonnes per hour of high quality steam for industrial users who are currently using grid electricity and generating steam from fuel with higher carbon intensity than natural gas. REGISTERED February 2008; CERs issued to date: 17,154

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Indonesia	Biomass power generation	Listrindo Kencana	CDM	AMS-I.D	49,529	The project involves the construction of a 12MW biomass fired power plant utilizing decayed EFBs and exporting power to the grid. REGISTERED December 2008
Indonesia	Energy efficiency	PT Manunggal Energi Nusantara	CDM	AMS-II.H	30,665	The project will implement energy consumption reduction measures in its textile woven facility in the City of Bekasi, Province of West Java, Indonesia. The Project activity reduces the energy consumption by 65GWh per year or equivalent to 27.5% of total energy consumed without the Project. This saving improves the energy utilization efficiency from 64% to 88%. REGISTERED February 2009
Indonesia	Biogas extraction from wastewater	Permata Hijau Group (PT Nubika Jaya)	CDM	AMS-III.H, AMS-III.O	44,181	The Project involves the installation of biogas extraction and purification system for captive production of bio-hydrogen supporting oleo chemical production. MUS submitted, and gained approval for, a new small scale methodology in association with this project. REGISTERED June 2009
Indonesia	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AMS-I.D, AMS-III.H	63,114	Install a closed anaerobic wastewater treatment and biogas extraction system with electricity generation at the BAJ Gunung Agung Factory in Lampung Province. REGISTERED October 2009; CERs issued to date: 6,858
Indonesia	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AMS-I.D, AMS-III.H	63,114	Install a closed anaerobic wastewater treatment and biogas extraction system with electricity generation at the BAJ Pakuan Agung Factory in Lampung Province. REGISTERED February 2010
Indonesia	Biogas extraction from wastewater	Sumitomo Corporation	CDM	ACM0014	47,980	The purpose of the project activity is to reduce the amount of methane that would have otherwise been emitted from the existing anaerobic open lagoons, and also to use the extracted biogas for electricity generation at the BAJ Tulang Bawang Factory, Lampung Province. REGISTERED March 2011

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Korea	Fuel switch	LG Chem Ltd.	CDM	AMS-III.B	19,635	Switching fuel from bunker fuel oil C to natural gas in the process of production of octanol, plasticizers and acrylic acid at LG Chem's Naju plant. REGISTERED June 2009
Korea	SF6 abatement	Samsung Engineering Co., Ltd	CDM	AM0078	768,215	The proposed project involves the installation and operation of SF6 abatement devices at LCD production line 7-2, located in Samsung Electronics' Tangjung LCD production plant. REGISTERED July 2010
Korea	SF6 abatement	Samsung Engineering Co., Ltd.	CDM	AM0078	497,952	The proposed project involves the installation and operation of SF6 abatement devices at LCD production lines 5 and 6, located in Samsung Electronics' Cheonan LCD production plant. REGISTERED April 2011
Korea	SF6 abatement	Samsung Engineering Co., Ltd.	CDM	AM0078	725,543	The proposed project involves the installation and operation of SF6 abatement devices at LCD production line 7-1, located in Samsung Electronics' Tangjung LCD production plant. REGISTERED April 2011
Malaysia	Biomass power generation	Kina Biopower Sdn. Bhd.	CDM	AMS-I.D, AMS-III.E	230,019	This project will combust empty fruit bunches, a major waste-stream from the palm-oil industry, to generate biomass power. The 11.5MW turbine will supply power to the Malaysian grid. Methane emissions from the decaying EFBs will be prevented by their controlled combustion. REGISTERED July 2006
Malaysia	Biomass power generation	Seguntor Bioenergy Sdn. Bhd.	CDM	AMS-I.D, AMS-III.E	230,019	This project will combust empty fruit bunches, a major waste-stream from the palm-oil industry, to generate biomass power. The 11.5MW turbine will supply power to the Malaysian grid. Methane emissions from the decaying EFBs will be prevented by their controlled combustion. REGISTERED July 2006

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Malaysia	Biomass power generation	Bumibiopower Sdn.Bhd.	CDM	AMS-I.D, AMS-III.E	95,079	The Bumibiopower project will combust empty fruit bunches, a major waste-stream from the palm-oil industry, to generate biomass power. The generator will supply up to 10MW of power to the Malaysian grid. Methane emissions from the decaying EFBs will be prevented by their controlled combustion.
Malaysia	Biomass power generation	Agritech Marketing Co. Ltd.	CDM	ACM0006	398,836	This project will involves the construction of two biomass power plants that will combust empty fruit bunches and generate 10MW of power for export to the grid. The project reduces emissions by displacing generation at fossil-fuel power plants connected to the grid, and by preventing the release of significant amounts of raw methane to the atmosphere due to the anaerobic decomposition of EFBs at SWDS. Therefore the project reduces methane emissions, as well as producing renewable energy.
Malaysia	Biomass power generation	Maju Intan Biomass Energy Sdn. Bhd.	CDM	AMS-I.D, AMS-III.E.	95,607	This project will combust empty fruit bunches, a major waste-stream from the palm-oil industry, to generate biomass power. The 12.5MW turbine will supply power to the Malaysian grid. Methane emissions from the anaerobic decay of EFBs will be prevented by their controlled combustion.
Malaysia	Biogas extraction from wastewater	WRE Holdings Pte Ltd	CDM	AMS-III.H	15,660	Wastewater from a palm oil mill will be treated using an Upwards Anaerobic Sludge Blanket system. Extracted biogas will be used for energy generation.
Malaysia	Renewable energy (hydro)	Tenaga Nasional Berhad	CDM	ACM0002	263,424	The project involves the construction and operation of an accumulation reservoir hydropower plant with a total installation capacity of 372 MW and is estimated to generate 392 GWh of electricity per annum. It will be located in the Ulu Jelai District, State of Pahang in Malaysia.
Mongolia	Renewable energy (hydro)	Energy Research and Development Center Ministry of Fuel and Energy of Mongolia	CDM	AMS-I.D	29,600	The project will be a small hydroelectric power plant which will displace electricity produced by fossil fuel fired plants in Taishir, Mongolia. REGISTERED March 2007; CERs issued to date: 886

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Mongolia	Renewable energy (hydro)	Energy Research and Development Center Ministry of Fuel and Energy of Mongolia	CDM	AMS-I.D	28,880	The project will be a small hydroelectric power plant which will displace electricity produced by fossil fuel fired plants. REGISTERED March 2007; CERs issued to date: 14,468
Pakistan	Waste heat recovery and power generation	Bestway Cement Limited	CDM	AMS-III.Q	48,060	The project activity involves the installation of a 15 MW waste heat recovery-based power generation facility at the Bestway Cement Ltd. factory in Chakwal, Pakistan. REGISTERED August 2010
Paraguay	Forestry	Japan International Research Center for Agricultural Sciences	ARCDM	AR-AMS0001	1,523	Afforestation/Reforestation of croplands and grasslands in low income communities. Temporary CERs will be requested (tCERs), with a 20-year crediting period. REGISTERED September 2009
Philippines	Methane recovery and utilisation	Mitsubishi Corporation	CDM	AM0013	95,896	The Project involves the installation of a digester at the anaerobic lagoon wastewater treatment system at Absolute Chemicals Incorporated's (ACI) ethanol production plant. The biogas collected from the reactor will be utilized as a fuel for the ethanol plant's boilers. REGISTERED October 2006
Philippines	Waste heat recovery and power generation	JFE Steel Corporation	CDM	ACM0004	61,702	Philippine Sintering Corporation's sintering plant in Mindanao produces large quantities of hot air which is currently released to the atmosphere. In the project, this hot air will be used to power a boiler, producing around 117,000,000kWh/year, displacing fossil fuel power production from the Mindanao grid. REGISTERED May 2007; CERs issued to date: 15,637
Philippines	Renewable energy (hydro)	Hedcor Sibulan Inc.	CDM	ACM0002	95,174	This bundled project involves the construction of 2 run-of-river hydro power plants in Mindanao and generated electricity will be exported to the Mindanao Grid. Sibulan Plant A has an installed capacity of 16.5MW, and Sibulan Plant B, an installed capacity of 26MW. REGISTERED June 2008

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Philippines	Biomass thermal energy generation	Armadillo Holdings, Inc.	CDM	AMS I.C	18,529	Two major laundries in Metro Manila will install new boilers which are capable of burning rice husk. Steam will also be available for use by other nearby users. Emission reductions will be achieved from the displacement of BFO. REGISTERED March 2009
Philippines	Waste heat recovery	Republic Cement Corporation	CDM	AMS-III.Q	11,811	The project will involve the installation of a 4.5MW capacity waste heat recovery turbine at the Teresa Cement Plant owned by Republic Cement Corporation. REGISTERED January 2011
Philippines	Renewable energy (hydro)	Municipality of Cantilan UPP Associates CaFIS Inc	CDM	AMS I.D	2,471	This small run-of-river hydro project will produce approximately 6,000MWh per year for the Mindanao grid, covering a significant amount of the power needs of local municipalities. The dam will be constructed from locally available rubble.
Philippines	Biogas extraction from wastewater	Electric Power Development Co., Ltd.	CDM	AMS-I.C, AMS-I.D, AMS-III.F, AMS-III.H	55,030	The purpose of this small-scale project activity is the introduction to Cavite Biofuel Producers, Inc.'s greenfield bioethanol production facility: 1. Anaerobic wastewater treatment with biogas recovery and combustion, and 2. Grid-connected electricity production using renewable energy sources.
Sri Lanka	Renewable energy (hydro)	Alternate Power Systems (Pvt.) Ltd.	CDM	AMS-I.D	13,483	The project activity involves the installation and operation of a 6.5MW run-of-river hydropower generation plant in Ratnapura District, Sri Lanka. REGISTERED August 2010
Sri Lanka	Renewable energy (hydro)	Country Energy (Pvt.) Ltd.	CDM	AMS-I.D	13,574	Developing a project that involves the construction of a run-of-river 7.2 MW mini hydropower plant in Sri Lanka and supply of the generated power to the Sri Lankan national utility grid, the CEB grid. The proposed project is expected to generate electricity of approximately 22 GWh /year, which is expected to result in an average annual emissions reduction of 13,574 tCO ₂ / year.

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Thailand	Biomass power generation	A.T. Biopower Co., Ltd.	CDM	ACM0006	70,772	This biomass waste project will use rice husk waste from local farmers, which is usually burnt or left to decay. The waste will power a 22MW generator, supplying electricity to the Thai grid. CERs are claimed for displacing grid electricity, and from methane emission reductions through controlled combustion. New methodology AM0004 was developed as part of this project. REGISTERED June 2007; CERs issued to date: 100,678
Thailand	Landfill gas to energy	Jaroensompong Corporation	CDM	ACM0001	47,185	A landfill near Bangkok which handles 3,500 tonnes of municipal solid waste per day will be fitted with a landfill gas collection system and a 1MW generator. Electricity generated will be sold to the Thai grid. CERs will be claimed for displacement of grid electricity and for avoiding methane emissions from the decaying waste. The PDD has passed public comments and received host country DNA approval. REGISTERED March 2008
Thailand	Biomass power generation and methane avoidance	Surat Thani Green Energy Co., Ltd.	CDM	ACM0002, ACM0006	106,592	The Project will use empty fruit bunches, a waste product of the palm oil milling process, to power a 9.9 MW generator. The electricity will be sold to the Thai grid. CERs are claimed for displacement of grid electricity, and for avoiding methane emissions from decaying biomass waste. Host country DNA approval has been obtained. REGISTERED May 2008
Thailand	Biogas extraction from wastewater	Siam Quality Starch Co., Ltd	CDM	AM0013, AMS-I.C	98,372	The project will capture methane from wastewater in a food-processing plant. The captured methane will be used to generate steam for in-house consumption, displacing bunker oil. REGISTERED April 2009
Thailand	Biogas extraction from wastewater	Srijaroen Palm Oil Co., Ltd.	CDM	AMS-I.D, AMS-III.H	20,429	The project involves the installation and operation of an anaerobic digester to treat POME and methane recovery systems to capture the methane generated from the treatment system. REGISTERED October 2009; CERs issued to date: 13,528
Thailand	Biogas extraction from wastewater	Thachana Palm Oil Co., Ltd.	CDM	AMS-I.D, AMS-III.H	23,844	The project will capture methane from wastewater at a palm oil mill. The captured methane will be used to generate steam for in-house consumption, displacing bunker oil. REGISTERED August 2009

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Thailand	Biogas extraction from wastewater	Thachana Palm Oil Co., Ltd	CDM	AMS-I.D, AMS-III.H	15,647	The project activity involves the installation of an anaerobic continuous stir lagoon reactor and biogas extraction system at the existing open lagoons of a palm oil plant. The collected biogas will be utilized for electricity generation through a 0.98 MW electricity generator. Electricity generated from biogas displaces the in-house energy consumption currently purchased from the grid. Electricity in excess amount then will be sold to Provincial Electricity Authority. An enclosed flare system is installed in order to combust any excess biogas. REGISTERED August 2009
Thailand	Biogas extraction from wastewater	Marubeni Corporation	CDM	AMS-I.D, AMS-III.H	18,622	The project activity involves the installation of an anaerobic continuous stir lagoon reactor and biogas extraction system at the existing open lagoons of a palm oil plant. The collected biogas will be utilized for electricity generation through a 0.98 MW electricity generator. Electricity generated from biogas displaces the in-house energy consumption currently purchased from the grid. Electricity in excess amount then will be sold to Provincial Electricity Authority. An enclosed flare system is installed in order to combust any excess biogas. REGISTERED October 2009
Thailand	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AMS-I.C, AMS-I.D, AMS-III.H	56,004	The installation of a closed anaerobic wastewater treatment and biogas extraction system for electricity generation and fossil fuel displacement at an existing tapioca starch manufacturing plant in Sakaeo Province. REGISTERED December 2009; CERs issued to date: 16,050
Thailand	Biomass power generation	Power Prospect Company Limited	CDM	AMS-I.C	35,367	The Project is designed to use rice husk as the primary fuel to feed an advanced 9.9 MW biomass-fired power generation system. The power generated will be sold to the Thai grid. REGISTERED February 2010
Thailand	Biogas extraction from wastewater	Agritech Marketing Company Ltd.	CDM	AMS-I.D, AMS-III.H	19,344	Construct and operate a sequential treatment system consisting of an anaerobic digestion and activated carbon filtration to treat palm oil mill effluent (POME) which will increase both increase the efficiency of POME treatment and enable the capture of the generated methane. REGISTERED October 2010
Thailand	Biogas extraction from wastewater	Trang Palm Oil Co. Ltd.	CDM	AMS-I.D, AMS-III.H	23,248	The Project involves the installation and operation of anaerobic digestion and methane recovery systems for wastewater treatment with two new 1MW power generation systems at an existing palm oil mill in Thailand. REGISTERED December 2010

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Thailand	Biogas extraction from wastewater	Marubeni Corporation	CDM	AMS-I.C, AMS-I.D, AMS-III.H	35,151	The project activity involves the installation of a covered lagoon digester and biogas extraction system at an existing tapioca processing plant for treatment of organic wastewater which is currently treated at an open lagoon system. The collected biogas will be utilized for heat and electricity generation for on-site consumption. Biogas in excess amount will be flared by an open flare system. REGISTERED April 2011
Thailand	Biogas extraction from wastewater	Electric Power Development Co., Ltd.	CDM	AMS-I.C, AMS-I.D, AMS-III.H	57,177	The project involves the installation and operation of an anaerobic digestion and methane recovery system for the treatment of wastewater at the Chaiphum Starch Plant.
Thailand	Biogas extraction from wastewater	Electric Power Development Co., Ltd.	CDM	AMS-I.C, AMS-I.D, AMS-III.H	55,718	The project involves the installation and operation of an anaerobic digestion and methane recovery system for the treatment of wastewater at the Sangpetch Tapioca Flour Plant.
Thailand	Biomass power generation	Baanrai Electricity Generation Co.,Ltd	CDM	AMS-I.C	31,775	The purpose of the project activity is to establish the renewable biomass-based co-generation plant in Uthaitani Province of Thailand. The project activity involves the construction of 9.9 MW power plant for electricity generation using biomass residues, mainly bagasse to be supplied by a sugar mill.
Thailand	Energy efficiency	JP Steel Plantech Co.	CDM	AMS-II.D	27,715	The Project will replace the existing conventional Electric Arc Furnace (EAF) with energy saving Electric Arc Furnace (ECOARC), which will be supplied by JP Steel Plantech Co. By installing ECOARC, the fossil fuel-based grid electricity consumption of the existing EAF is expected to be reduced drastically while the annual output of steel by ECOARC remains unchanged at the historical level.
Ukraine	Hydropower rehabilitation	World Bank - IBRD	JI	ACM0002 (revised for JI)	200,387	The project involves the upgrade of a number of hydro units which have been in operation for up to 70 years along the Dniepr and Dniestr rivers. By 2012 the Project is expected to deliver as much as 470GWh/year in additional generation to the Ukrainian grid. Additional benefits will be reduced oil leakages from the plants and improved management of water resources. Developed under JI Track 1; AAUs issued to date: 31,732; ERUs issued to date: 413,700

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Ukraine	Landfill gas recovery	United Nations Development Programme	JI	ACM0001	20,872	The project involves the installation of an LFG collection and flaring system to utilize the recovered LFG at Site 1 of the Lugansk Landfill located at Oleksandrivsk Town, Lugansk Region, Ukraine. JI Track 2 Final Determination January 2012
Vietnam	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AMS-III.H	32,328	The project activity involves the installation of a closed anaerobic wastewater treatment and biogas extraction system for thermal energy generation at an existing tapioca starch manufacturing plant in Quang Ngai Province. REGISTERED June 2011
Vietnam	Renewable energy (hydro)	Kyushu Electric Power Company, Incorporated	CDM	ACM0002	68,814	32MW hydropower plant with spillway gates in north-western Viet Nam. Energy will be exported to the grid.
Vietnam	Biogas extraction from wastewater	Sumitomo Corporation	CDM	AMS-III.H	30,793	The installation of a closed anaerobic wastewater treatment and biogas extraction system for thermal energy generation at an existing tapioca starch manufacturing plant in Gia Lai Province.
Zambia	Renewable energy (hydro)	Japan International Cooperation Agency	CDM	AMS-I.A	11,037	The project involves the construction of a mini-hydropower plant in the North Western Province of Zambia. The main objective of the Project is to generate electricity based on a clean, renewable energy source and contribute to the sustainable development of Zambia.