

Action Plan / Final Report for CTI 6th Workshop for Asia in 2003 at ICETT

1. Energy Saving

6 th Workshop (Oct. - Nov. 2003)						Follow-up Survey (Jan. - Feb. 2004)	
Main Theme	Contents	Duration	Implementing Agency	Cooperating Agencies	Source of Fund	Progress	Future Prospects
Energy Efficiency in Ministry of Energy & Mineral Resources	A. Challenges/Barrier						
	- Globalization						
	- High growth energy demand						
	- Energy price based market mechanism						
	- Effort of energy conservation needs investment						
	- Only 2 Manufacture produce energy saving lamp						
	- Knowledge of human resources about energy conservation to less						
	B. Background						
	- Energy consumption is constantly increasing in line with the rate of economic growth and population growth causing the problem of energy supply in the future						
	- The price of renewable energy is not yet competitive compared to the price of fossil energy.						
- Fossil energy utilization technology applied all this time is relatively not environmentally friendly, causing negative impact on the environment							

Enhancement of Public Awareness on Energy Efficiency	Environmental and Productivity Challenges and Background Information						
	(1) It was found that technicians working in plants are still lack of knowledge and awareness on the importance and benefit of energy efficiency for their companies;						
	(2) Weak implementation of maintenance plan of their plants;						
	Proposed EE Activities:						
	(1) Conduct serial training workshops on technical matters of the energy efficiency for technician	1-2 years	MoEnvt	MoEnergy; BPPT; Koneba	JICA; or NEDO;		To address CDM implementation in Indonesia
	(2) Conduct seminars/ workshops for high decision makers to remove national barriers for the implementation energy efficiency/CDM.				JICA; NEDO; Netherlands; or GTZ		
	Ministries Contribution:						
	(1) Domestic transport and field accommodation.						
	(2) Office communication and stationeries.						
	(3) Domestic meetings (space, food and beverages)						
	(4) Field support (manpower, utilities, etc.)						
	(5) Hiring national experts.						
	Outside Support Needed:						
	(1) International EE Experts						
(2) International trainings, seminars, workshops.							

Utilize CDM as stimulant for energy efficiency improvement	Environmental and Productivity Challenges or Background Information						
	It was found that many companies in Indonesia have potential GHG emissions reduction that might get additional benefit if it could be developed further therefore can be classified as CDM projects;						
	Proposed GP Activities:						
	Conduct Feasibility Studies on potential GHG emissions reduction at potential and interested companies (at least 6 companies);	1 year	MoEnvnt		UNEP; and involved companies		
	Conduct training on increasing knowledge and capability on understanding CDM Projects, particularly in developing PDD;	1 year	MoEnvnt	NGOs	JICA; NEDO; GTZ; or NETHERLAND;		
	Company Contribution:						
	(1) Domestic transport and field accommodation.						
	(2) Office communication and stationeries.						
	(3) Domestic meetings (space, food and beverages)						
	(4) Field support (manpower, utilities, etc.)						
	(5) Hiring national experts.						
	Outside Support Needed:						
	(1) International CDM Experts						
(2) International Experts on Cleaner Production and energy Efficiency							

	(3) International trainings, seminars, workshops.						
Energy Efficiency Promotion in PT Semen Padang	A. Challenge/Barrier						
	1. Limited knowledge on how to manage energy better						
	2. Energy use in some equipments are still considered inefficient						
	3. Modernization of old plant to introduce high energy efficiency equipment need high capital investment						
	4. Some Work Instructions are not yet energy efficiency friendly.						
	5. Employee awareness still need to be improved						
	B. Background						
	1. In the future energy cost is becoming expensive and energy source is becoming scarce						
	2. Service year of plant equipment in three of four lines are more than 20 years						
	3. Some efforts have been done or in progress in order to promote energy efficiency but more efforts are still needed						
	C. Future Activities						
	1. Workshop/training for better understanding in energy management						
	2. Workshop/training/assistance in energy audit/assessment						

	3. New concept in capital investment (CDM) is needed for plant modernization to promote energy efficiency						
	4. Work Instruction are to be reviewed to make it more energy efficient friendly						
	5. More training on energy efficiency issue to promote employee awareness						

Cleaner Production Promotion (Geriap Project)	A. Challenge/Barrier						
	1. Lack of technical knowledge about waste processing						
	2. Public and employee awareness still need to be improved.						
	3. To introduce waste preparation for fuel will need high capital investment						
	4. Result of initial in-plant assessments need to be implemented						
	B. Background						
	1. Six companies in Indonesia involved in Geriap Project						
	2. Year 2004 is the implementation year of each company Action Plant that is being prepared currently.						
	C. Future Activities						
	1. Attending Advisory Board Meeting in Thailand	14 - 16 January	MoEnvt	MoIT	UNEP		
	2. Conduct action plan of each company	1 year					
	3. Preparation of Indonesia' CP Promotion to be submitted in Geriap News	1 month					
	4.						

3. Clean Development Mechanism (CDM)

6 th Workshop (Oct. - Nov. 2003)						Follow-up Survey (Jan. - Feb. 2004)	
Main Theme	Contents	Duration	Implementing Agency	Cooperating Agencies	Source of Fund	Progress	Future Prospects
Enhancement of personnel's knowledge of potential companies to utilize CDM	1. Environmental and Productivity Challenges						
	(1) CDM implementation at company level can result in additional revenue of the company.						
	(2) Besides, the commitment of buyer's country can be fulfilled.						
	(3) The global environment problems can be gradually minimized						
	2. Background Information:						
	(1) Many potential companies are interested in utilizing CDM as a tool for their energy efficiency and productivity program.						
	(2) However, their knowledge about climate change mitigation related programs, and their capability in designing and making proposal are still need to be enhanced.						

	(3) Meanwhile, ICETT as a leading institution in Japan in facilitating technology transfer to developing countries offers its expertise to assist developing countries in increasing public awareness and technical capabilities.						
	3. Proposed Activities:						
	(1) Production of guidelines and training material kits (in Indonesian language) for main type of industries.	1 year	MoEnvt	MoEn; MoIT	NEDO; METI		
	(2) Conducting a serial training course for planners of potential companies in main regional areas.						
	(3) Production of public awareness media such as CD-ROM, pamphlet, brochure (in Indonesian language)						
	4. Ministries Contribution:						
	(1) Domestic transport and field accommodation.						
	(2) Office communication and stationeries.						
	(3) Domestic meetings (space, food and beverages)						
	(4) Field support (manpower, utilities, etc.)						
	(5) Hiring national experts.						
	5. Outside Support Needed:						
	(1) ICETT's relevant Experts						

	(3) International trainings, seminars, workshops for updating personnel's knowledge and keeping well informed.						
Public Awareness on the importance of CDM	1. Environmental and Productivity Challenges						
	(1) Huge potential of CDM projects in Indonesia will be nothing if Indonesia does not ratify the Kyoto Protocol.						
	(2) The level of awareness of persons involved in the ratification process need to be enhanced.						
	2. Background Information:						
	Number of high level decision makers involved in ratification process in Indonesia is around 50 including about 25 from the House of Representative.						
	Raised awareness of parliament members and high level decision makers of the Government official is expected to expedite process of Kyoto Protocol ratification in Indonesia.						
	3. Proposed Activities:						

	(1) Conduct a short-term training program on energy efficiency, cleaner production and CDM at ICETT.	2 X one week	ICETT and MoEnv - Indon		METI; NEDO		
	(2) Dispatch governmental official for on-job training in overseas/ international organization to get experience on CDM related management to help Indonesian DNA's project approval.	2x2 months	MoEnv		PCF – WB; JAPAN;		
	4. Government Contribution:						
	(1) Domestic transport and field accommodation.						
	(2) Office communication and stationeries.						
	(3) Domestic meetings (space, food and beverages)						
	(4) Field support (manpower, utilities, etc.)						
	(5) Hiring national experts.						
	5. Outside Support Needed:						
	(2) International Experts on Cleaner Production, Energy Efficiency.						