

## ANNEX 10.4

### ■ Public Relation NEWS CLIPPINGS

Empower Project Exhibit  
Rigodon Ballroom, Manila Peninsula (June 09, 2003/Monday)  
And  
Activity Atrium Area, Bldg. A., Ground Floor,  
Sm Megamall, Mandaluyong City (June 10, 2003)

PUBLICATION: MANILA BULLETIN  
SEC./PAGE: NATIONAL NEWS BULLETIN / P-18



# National News Bulletin

Sat., May 31, 2003 18

### ***Environmental exhibit set***

The Japan International Cooperation Agency (JICA), the Department of Trade and Industry, and the Board of Investments have joined their resources and influence to conduct the first environment and technology oriented trade exhibit on June 9 at the Rigodon Ballroom of the Manila Peninsula Hotel Makati and on June 10 at the SM Megamall Activity Center in Mandaluyong City.

Dubbed EMPOWER, the trade exhibit aims to formulate an action plan on Industrial Environment Management (IEM) as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations.

This year's theme is "Respecting Environment for Industrial Competitiveness."

Various organizations, institutions, and privately owned companies will be part of the event which will advance the environmental and ecological education of both ordinary and Filipino businessmen.

More info at the exhibit Secretariat 8976682.

Among the exhibitors of EMPOWER include the Department of Trade and Industry-Board of Investments, Environmental Management Bureau, Philippine Business for the Environment, Department of Science and Technology, Laguna Lake Development Authority, Philippine Export Zone Authority, Clean and Green Foundation, Philexport, Noah's Paper Mills, Acetech, Kemwerke, TSB Enterprises, JICA, and OM Manufacturing.

**PUBLICATION: PHILIPPINE STAR**  
**SEC./PAGE: BUSINESS / B-7**

The Philippine STAR **BUSINESS**

SUNDAY, JUNE 1, 2003

## Environmental trade show set

Followers of environmental causes in the Philippines will be gratified to know that the Japan International Cooperation Agency (JICA), the Department of Trade and Industry and the Board of Investments, have joined their considerable resources and influence in order to conduct the first environmental-technology-oriented trade exhibit this June 9 at the Rigodon Ballroom Manila Peninsula Hotel Makati; and on June 10 at the SM, Megamall Bldg. A, Activity Center.

Entitled EMPOWER, the trade exhibit aims to formulate an action plan of Industrial Environment Management (IEM), as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations. This year's theme focuses on "Respecting Environment for Industrial Competitiveness."

Different organizations, institutions and privately owned companies will be part of the event, which would advance the environmental and ecological education of both ordinary laymen and Filipino businessmen. Among the exhibitors in EMPOWER are the Department of Trade and Industry — Board of Investments; Environmental Management Bureau; Philippine Business for the Environment; Department of Science and Technology; Laguna Lake Development Authority; Philippine Export Zone Authority; Clean and Green Foundation; Philexport; Noah's Paper Mills, Acetech, Kemwerke; TSB Enterprises; JICA and OM Manufacturing.

For inquiries, call the secretariat at 897-6682, 890-9308 local 225 and 227, and 895-9239 or Events-Media Marketing, its event manager, at 751-52-00, 752-39-36 or 892-44-65.

**PUBLICATION: BUSINESS WORLD**  
**SEC./PAGE: BULLETINS / P-18**

# **BUSINESSWORLD**

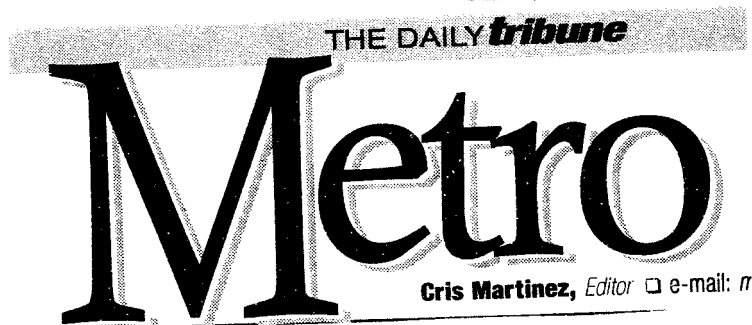
**18 / BULLETINS**

**June 4, 2003**

## **Environmental exhibit**

Japan International Cooperation Agency, Department of Trade and Industry, and the Board of Investments have joined hands to host the first environmental technology-oriented trade exhibit on June 9 at the Rigodon Ballroom, Manila Peninsula Hotel, Makati City; and on June 10 at the SM Megamall Bldg. A Activity Center. Entitled EMPOWER, the trade exhibit aims to formulate an action plan on industrial environment management, as well as bolster and strengthen the capacities of both government agencies and private industrial associations. For inquiries, call 897-6682, 890-9308 local 225 and 227, and 895-9239, or 751-5200, 752-3936 or 892-4465.

PUBLICATION: THE DAILY TRIBUNE  
SEC./PAGE: METRO /P-12



Wednesday, June 4, 2003

12

## Empower trade exhibit on June 9-10

Followers of environmental causes in the Philippines will be gratified to know that the Japan International Cooperation Agency (Jica), the Department of Trade and Industry and the Board of Investments, have joined their considerable resources and influence in order to conduct the first environmental-technology-oriented trade exhibit this June 9 at the Rigodon Ballroom of the Manila Peninsula Hotel Makati and June 10 at the SM Megamall Bldg. A Activity Center. Entitled Empower, the trade exhibit aims to formulate an action plan on Industrial Environment Management (IEM), as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations. This year's theme focuses on "Respecting Environment for Industrial Competitiveness." Different organizations, institutions and privately owned companies will be part of the event, which would hopefully advance the environmental and ecological education of both ordinary laymen and Filipino businessman. For inquires regarding the event, interested parties may call the Secretariat at 897-6682, 890-9303 local 225 and 227, and 895-9239 or Events-Media Marketing, its event manager, at 751-5200, 752-3936 or 892-4465.

PUBLICATION: TODAY  
SEC./PAGE: BUSINESS TODAY /P-15

# BUSINESS TODAY

JUNE 5, 2003

15

## Empower trade exhibit focuses on industrial environmental management

SUPPORTERS of the environment and those interested in how they could make use of the benefits that environmental management can provide to make their businesses more productive and environmentally sensitive, will be gratified to know that a series of seminars on environment-related issues will be a part of the forthcoming Empower trade exhibit. This year's theme focuses on "Respecting Environment for Industrial Competitiveness."

The series of seminars which is an integral part of the forthcoming trade exhibit, will be conducted on the second day of the event at the Rigodon Ballroom of the Manila Peninsula. The trade exhibit which was made possible through the combined resources of the Japan Industry and the Board of Investments will be held for two days, on June 9 at the Rigodon Ballroom, Manila Peninsula, Makati and June 10 at SM Megamall Activity Center, Mandaluyong City.

Among the topics to be discussed include: Waste

Minimization, Ecolabeling, Green Procurement Policy, the presentation of the environmental achievements of four model companies, and a report on the successful implementation of environment-related pilot projects in the country.

Well-known environmental management advocates will conduct the seminars. Materials related to the event will also be provided to seminar participants.

Other activities in support of the Empower trade exhibit will also be conducted at the duration of the exhibit. This will include a special performance of the "Banda Para sa Kalikasan" at the start of the event and "On-the-Spot Poster Making" contest. The event will also launch the IEM website—a website devoted to environmental management and related topics and issues. This event is also supported by SM Megamall, K91FM and *The Manila Times*.

For inquiries, call the Secretariat at 892-4465, 752-3936, 751-5200 or e-mail at [emedial@info.com.ph](mailto:emedial@info.com.ph).

PUBLICATION: MANILA STANDARD  
SEC./PAGE: BUSINESS / SECTION A-P 6

ManilaStandard

# BUSINESS

Saturday, 6  
June 7, 2003 SECTION A

## BUSINESS ANNOUNCEMENTS

### Environmental trade exhibit

Followers of environmental causes in the Philippines will be gratified to know that the Japan International Cooperation Agency (Jica), the Department of Trade and Industry and the Board of Investments have joined their considerable resources and influence to conduct the first environmental-technology-oriented trade exhibit on June 9 at the Rigodon Ballroom Manila Peninsula Hotel Makati; and on June 10 at the SM, Megamall Bldg. A, Activity Center.

Entitled Empower, the trade exhibit aims to formulate an action plan on Industrial Environment Management, as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations. This year's theme focuses on "Respecting Environment for Industrial Competitiveness."

As such, different organizations, institutions and privately owned companies will be part of the event, which would hopefully advance the environmental and ecological education of both ordinary laymen and Filipino businessmen. Among the exhibitors in Empower include the DTI-BoI; Environmental Management Bureau; Philippine Business for the Environment; Department of Science and Technology; Laguna Lake Development Authority; Philippine Export Zone Authority, Clean and Green Foundation, Philexport; Noah's Paper Mills, Acetech, Kemwerke, TSB Enterprise, Jica and OM Manufacturing.

The trade exhibit will also serve as a forum where different

environmental issues will be discussed through sensitively crafted and groundbreaking seminars on the environment. The seminars, which will be held at a separate venue (Manila Peninsula, Rigodon Ballroom), are intended to provide in-depth information on specially selected topics.

PUBLICATION: PHIL. DAILY INQUIRER  
SEC./PAGE: PEOPLE, EVENTS & PRODUCTS /B-4

PHILIPPINE DAILY INQUIRER

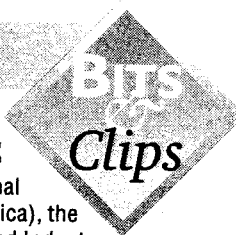
# People, Events & Products

SATURDAY, JUNE 7, 2003

**B 4**

## **'Empower' trade exhibit**

THE JAPAN International Cooperation Agency (Jica), the Department of Trade and Industry and the Board of Investments, have joined together to conduct the first environmental-technology-oriented trade exhibit this June 9 at the Rigodon Ballroom Manila Peninsula Hotel Makati; and on June 10 at the SM Megamall Bldg. A., activity center. Entitled 'Empower', the trade exhibit aims to formulate an action plan on Industrial Environment Management (IEM) as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations. This year's theme focuses on "Respecting Environment for Industrial Competitiveness." For inquiries regarding the event, interested parties may call the secretariat at 897-6682, 890-9308 local 225 and 227, and 895-9239 or Events-Media Marketing, its event manager, at 751-5200, 752-3936 or 892-4465.



PUBLICATION: MALAYA  
SEC./PAGE: LIVING/ P. 15

# Malaya LIVING

Saturday, June 7, 2003

15

## Poster making tilt at trade fair

The Japan International Cooperation Agency, the Department of Trade and Industry, and the Board of Investments will hold an on-the-spot poster making contest at the Empower Trade Exhibit on June 9-10, at the Manila Peninsula and SM Megamall Activity Center, respectively.

The contest is open to all high school students. Schools are encourage to send up to two representatives. Watercolor and pastel will be the media used. Winners will be announced on the last day of the event.

There will also be seminars on environmental technology and a special performance by the Banda para sa Kalikasan at the start of the event.

For inquiries, call the secretariat at 892 4465, 752 3936 or 751 5200, or e-mail at [emediainfo@info.com.ph](mailto:emediainfo@info.com.ph).



PUBLICATION: TODAY  
SEC./PAGE: DIVERSIONS/ P-20

# STYLE TODAY DIVERSIONS

SATURDAY, JUNE 7, 2003

20

## POSTER-MAKING CONTEST

YOUNG artists attuned to the need for a more artistic and sensitive interpretation of the state of the environment will be given a venue to express their thoughts. The Japan International Cooperation Agency, the Department of Trade and Industry, and the Board of Investments, through its Empower Trade Exhibit at The Peninsula Manila and SM Megamall on June 9 and 10, respectively, will hold an on-the-spot poster-making contest.

The contest is open to all high-school students versed in the media of watercolor and pastel. Schools are encouraged to send contestants, as educational institutions will be given a total of two representatives. Contestants are expected to work independently and on a theme that will be announced during the event. Winners will be announced on the last day of the event. The winning entries will receive prizes from the trade exhibit organizers.

For inquiries: 892-4465, 752-3936,  
751-5200, [emedial@info.com.ph](mailto:emedial@info.com.ph).

PUBLICATION: MALAYA

SEC./PAGE: NEWS FLASHES & PHOTOS/ P-12

■ Malaya ■

# NEWS FLASHES and PHOTOS

Sunday, June 8, 2003



## Environmental exhibit

The Japan International Cooperation Agency (JICA), Department of Trade & Industry, and Board of Investments will conduct the first environmental technology-oriented trade exhibit on June 9 at the Rigodon Ballroom of Manila Peninsula Hotel and on June 10 at SM Megamall Bldg. A Activity Center.

Entitled "Empower," the trade exhibit aims to formulate an action plan on industrial environment management (IEM), as well as bolster and strengthen the capacities of IEM of both government agencies and private industrial associations. This year's theme focuses on "Respecting Environment for Industrial Competitiveness."

During the event, different environmental issues will be discussed. Among the topics are waste minimization, eco-labeling, green procurement policy, the presentation of the environmental achievements of four model companies, and a report on the successful implementation of environment-related pilot projects in the country.

Other activities include an on-the-spot poster-making contest and a special performance of the Banda Para sa Kalikasan (Band for the Environment). Prizes will be awarded to the winner of the poster-making contest at the conclusion of the trade exhibit.

For inquiries, call 897-6682/890-9308 local 225 and 227/ 895-9239 or Events-Media Marketing at 751-5200/752-3936/892-44-65.

PUBLICATION: MANILA BULLETIN  
SEC./PAGE: ENVIRONMENT & NATURE/ B-12



# Environment & Nature

Thursday, June 12, 2003

B-12

## Respecting the environment, for industrial competitiveness

Supporters of the environmental and those interested in how they could make use of the benefits that environmental management can provide to make their businesses more productive and environmentally-sensitive, will be gratified to know that a series of seminars on environment-related issues was part of the recently concluded Empower trade exhibit, "Respecting Environment for Industrial Competitiveness."

The seminars which is an integral part of the trade exhibit, was conducted at the second day of the event at the Rigodon Ballroom of the Manila Peninsula. The trade exhibit which was made possible through the combined resources of the Japan Industry and the Board of Investments was held recently at the Rigodon Ballroom, Manila Peninsula and 10 (SM Megamall, Activity Center).

Among the topics discussed include: Waste Minimization, Eco-labeling, Green Procurement Policy, the presentation of the environmental achievements of four model companies, and a report on the successful implementation of environment-related pilot projects in the country.

# **Annex 11**

## **EMPOWER Homepage**

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## **ANNEX 11.1**

### **11.1. Background and Objectives of the EMPOWER Project**

#### **11.3.1. Background**

The Government of the Philippines (GOP) clearly states in current National Development Plan i.e. the Medium-Term Philippine Development Plan 1999-2004 that conservation of the environment has to be duly considered in implementing the national development plan. It emphasizes the importance of proper environmental consideration in every economic and industrial activity for the sake of sustainable development in the country. Contrary to this statement, however, the load to the environment has been increasing year by year due to the rising emissions of pollutants to the air, water, soil, and other environmental media.

Responding to this situation, the policy dialogue held in March 1999 between GOP and the Mission of the Government of Japan (GOJ) agreed to include environmental conservation as one of the 4 priority sectors of the official development assistance (ODA). Based on this agreement, GOJ, through the Japan International Cooperation Agency (JICA), has been providing various technical cooperation projects in the environment sector, such as dispatch of the long-term environmental policy experts, the Country-Focused Training Course on Urban and Industrial Environment Management, the Development EMPOWER project on Hazardous Waste Management (M/P, F/S and Capacity Building), and so forth.

Although the environmental management in the Philippines has been conducted mainly under a command-and-control structure by the leadership of the Environmental Management Bureau, Department of Environment and Natural Resources (EMB/DENR) so far, the establishment of a new environmental governance under the public-private sector partnership is recently undergoing through the use of market-based instruments (MBIs) and policy measures for promoting voluntary environmental management programs by private sector e.g. dissemination of cleaner production technologies (CPT), introduction of environmental management system (EMS). Donor agencies such as ADB, UNDP and USAID also provide technical and financial support to such efforts by GOP. Achievements of such efforts are beginning to take their shape though they are still limited in terms of the industrial sectors as well as environmental media covered.

In the above current trend of environmental management in the Philippines, roles of the Board on Investments/Department of Trade and Industry (BOI/DTI) are expected to be more important in promoting industrial environment management (IEM) by private sector's voluntary efforts.

The EMPOWER project aims at expanding the current efforts of industrial environmental management (IEM) to all industrial sectors as well as to all environmental media and disseminating the concept of IEM to all over the Philippines. The EMPOWER project is carried out based on the official request of GOP and Implementing Agreement (I/A) agreed and signed between BOI and JICA on December 2001.

#### **11.3.2. Objectives of the EMPOWER project**

For promotion of IEM for enterprises and investors:

- To formulate an action plan
- To promote capacity building of the BOI and other relevant organizations

#### **11.3.3. Areas and Sectors Covered by the EMPOWER project**

The EMPOWER project covers all the manufacturing industries including agri-business sub-sector that are located in Luzon and Visaya Region.

## **ANNEX 11.2**

### **11.2. Outline of the EMPOWER project**

#### **11.2.1 Basic Policies of the EMPOWER project**

The EMPOWER project will be implemented in accordance with the following policies so as to achieve its objectives.

- Raising awareness of IEM and its expansion to the whole industry sector
- Clarification of the current achievement and issues of IEM
- Identification of priority areas of IEM
- Promotion of IEM through formulation of Action Plan
- Promotion of IEM through implementation of pilot projects
- Promotion of IEM through various dissemination and awareness raising activities
- Promotion of IEM through public relations on the website

#### **RAISING AWARENESS OF IEM AND ITS EXPANSION TO THE WHOLE INDUSTRY SECTOR**

The main actors in IEM are the manufacturers. Through the EMPOWER project, it is expected that manufacturers would deepen their understanding of the importance of reducing the environment load arising from their activities and take concrete actions on IEM. The EMPOWER Project Team will make every possible effort to get the executives of the private industries, government officials, representatives of the industry groups, environmental experts, and academicians involved in the implementation of the EMPOWER project so that all of them can have a common understanding of the importance of IEM in the Philippines.

#### **CLARIFICATION OF THE CURRENT ACHIEVEMENT AND ISSUES OF IEM**

The efforts of promoting IEM have already been made in the Philippines with the support from UNDP (for PRIME project), USAID (for IISE project) and so forth. The EMPOWER project has to be based on the achievement of these past efforts as its starting point. Therefore, the first task of the EMPOWER Project Team is to identify the present state of IEM by the manufacturing industries in the Philippines. The current IEM practice in the Philippines will be comprehensively reviewed on its quantity such as the number of industrial establishments conducting IEM as well as its quality such as level of IEM conducted by the establishments.

Review of the UNDP-PRIME as well as USAID-IISE projects are also an important part of this task to identify the achievement and issues of IEM in the Philippines.

The EMPOWER Project Team will conduct a wide range of questionnaire and interview surveys to various public and private organizations concerned so as to identify current IEM practice in the Philippines.

#### **IDENTIFICATION OF PRIORITY AREAS OF IEM**

Based on the identification of current IEM practice in the Philippines, the EMPOWER Project Team will select the priority areas, which are the areas where implementation of a specific IEM element in

one or several industry sectors is supposed to reduce environmental load effectively. The following criteria will be considered in selecting the priority areas.

- The magnitude of win-win effects of the IEM measures, i.e. the positive impacts of applying IEM upon reduction of environmental load as well as improvement of productivity.
- The magnitude of synergy effects arising from the IEM in the priority areas.
- Practicability and clearly identifiable effects of the IEM in the priority areas.
- The magnitude of social interest in the priority areas.
- The magnitude of the industries' interest in IEM.

Some important elements of IEM include:

- Raising awareness of company executives of the industries,
- IEM promoting tools e.g. EMS, LCA, environmental accounting, etc,
- Key measures for reducing environmental load, e.g. 3 Rs (Reduction, Reuse and Recycling) of waste, zero emission factory, etc,
- Key measures for environmentally friendly manufacturing and production, e.g. cleaner production, design for environment (DFE), inverse manufacturing, environmentally friendly product distribution or transport and packaging, greening of raw materials use and procurement, etc,
- IEM campaign tools, e.g. eco-labelling, disclosure of environmental information of products, etc, and
- Capacity building of environmental services industry.

Selection of the priority areas will be finalized on the basis of mutual agreement between the Philippines counterpart and the EMPOWER Project Team..

## **PROMOTION OF IEM THROUGH FORMULATION OF ACTION PLAN**

The Action Plan clearly describes the goals and targets of IEM will be the guidance of IEM for the individual manufacturers. Moreover, it also clarifies the actions to be taken by the government and industrial associations for promotion of IEM. The Action Plan will be designed to be used as the checklist of identifying the progress of IEM in the Philippines.

## **PROMOTIONS OF IEM THROUGH IMPLEMENTATION OF PILOT PROJECTS**

Following the finalization of the priority areas of IEM, the EMPOWER Project Team will develop several pilot projects on IEM in these areas. Criteria for the selection of pilot projects will include:

- Effects of the project in terms of environmental load reduction as well as productivity improvement.
- Clearly identifiable effects of the project.
- Synergy effects of the project to other industrial sub-sectors.
- Sustainability and wider applicability of the project.

Other criteria will also be considered on the basis of discussion between the Philippines counterpart and the EMPOWER Project Team.

## **PROMOTION OF IEM THROUGH VARIOUS DISSEMINATION AND AWARENESS RAISING ACTIVITIES**

To promote IEM among all the key parties concerned, the EMPOWER Project Team will disseminate the results of its activities at seminars and workshop.

The EMPOWER Project Team will hold 4 seminars based on the following policies.

- The EMPOWER project will clearly identify the purposes of each seminar and evaluate its achievement after the seminar.
- The EMPOWER project will collect the written comments on each seminar from the participants for its evaluation.
- The EMPOWER project will invite external resource persons as the observers or lecturers of the seminars in line with the topics selected. The external resource persons may include government officials, academics, research professionals, experts from donor agencies, and so forth.
- The EMPOWER project will organize sessions for discussing specific subject of IEM as much as possible at the seminars.

The workshop, which is to be held after the development of pilot project plans, will be organized in accordance with the following manner.

- Main participants will be the persons in charge of IEM at plant level.
- Main topics of the workshop will be awareness raising of factory managers on IEM

## **PROMOTION OF IEM THROUGH PUBLIC RELATIONS ON THE WEBSITE**

To disseminate information about the EMPOWER project to all the parties concerned, the EMPOWER Project Team will develop its own Internet homepage (HP) within the website of BOI at the earliest possible.

The contents of HP will include:

- Summaries of reports
- Summaries of survey results
- Seminar and workshop schedule
- Introduction of pilot projects
- Introduction of action plan

During the EMPOWER project period, the contents of HP will be regularly updated to inform the public of the progress of the EMPOWER project on a real time basis.

The EMPOWER Project Team also considers inviting the comments on pilot projects as well as the action plan on website so as to incorporate various peoples' opinions into the EMPOWER project as much as possible.

### **11.2.2 Scope of Work**

## **CURRENT IEM PRACTICE AND ISSUES FOR THE FURTHER ADVANCEMENT**

### **Relevant Projects and Their Outcomes**

The EMPOWER Project Team will identify outcomes, lessons learned, and issues for the further advancement in the field of IEM based on the analysis of information relevant to IISE and PRIME projects. The EMPOWER Project Team will visit the implementing agencies (BOI, PBE, EMB, DTI) and donor agencies (UNDP, USAID) to share Team's understanding of the projects and their outcomes with these agencies and exchange ideas on next steps to promote IEM.

### **Activities of Parties Involved in IEM**



Current IEM Practice by the Industry Sector

**a. Roles of Industry Associations and Their Activities to Promote IEM**

The EMPOWER Project Team will identify roles of the following organizations in promoting IEM:

- PBE (Philippine Business for the Environment)
- The Philippine Chamber of Commerce and Industry
- The Philippine Industrial Estates Association (PHILEA)
- PEPP (Philippine Environmental Partnership Program)
- Each Chamber of Commerce
- Industry specific associations

The EMPOWER Project Team will investigate organizational structures and roles of the industry associations and NGOs that participated in the development of Business Agenda 21 (BA21) and interview with nearly 20 industry associations having committed to take actions and achieve targets provided in BA21 about their current IEM practice and future plans including financial resource allocation for environmental management.

**b. Current IEM Practice by Individual Companies**

The EMPOWER Project Team will conduct the following survey to identify current IEM practice:

- 1) Target companies  
About 100 companies located in Luzon and Visayas participating in industry associations
- 2) Scope of the EMPOWER project
  - Identification of the framework of current IEM practice of the target companies
  - Identification of realities of IEM practice
    - organizational structure, responsibilities of each sections, internal code of practice
    - environmental information database, documents for environmental information management
    - targets by environmental element
    - development of action program
    - compliance monitoring
    - evaluation of environmental performance
    - information disclosure
    - staff training
    - preparation and publishing of an annual environmental report
  - Identification of future actions and plans
  - Information and data analysis

**c. Current Practice by Environmental Service Providers**

(1) Identification of current practices by environmental service industry associations and relevant organizations

The EMPOWER Project Team will identify organizational structure and activities of the following organizations and their business situation through interviews with relevant parties.

- The Philippine Association of Environmental Assessment Professionals (PAEAP)
- The Pollution Control Association of the Philippine Industry (PCAPI)
- The Philippines Environmental Industries Association (PEIA)
- Management Association of the Philippines (MAP)

(2) Market relevant to IEM

According to the classification employed in the Module 4: Environmental Entrepreneurship of the PRIME project, service providers are grouped into the following categories:

- a) Environmental Consultancy and Advisory Services
- b) Environmental Engineering Services
- c) Laboratory Services
- d) Environmental Training Services
- e) Environmental Certification Services

The EMPOWER Project Team will review the results of the PRIME project and estimate the existing market size through interviews with relevant parties and analysis of statistical data. The review and estimate would cover the followings:

- Needs for services relevant to environmental management in the industry
- Existing and potential market size
- Current practices of environmental service providers

**d. Measures Taken by Public Organizations to Promote IEM**

The EMPOWER Project Team will identify roles of the following organizations relevant to IEM:

- Department of Trade and Industry/Board of Investments (DTI/BOI)
- Department of Environment and Natural Resources/Environmental Management Bureau (DENR/EMB)
- Philippine Economic Zone Authority (PEZA)
- Pollution Adjudication Board (PAB)
- Laguna Lake Development Authority (LLDA)
- Department of Interior and Local Government (DILG)
- National Economic and Development Authority (NEDA)
- Department of Health (DOH)
- Technology Livelihood Research Center (TLRC)
- Department of Science and Technology (DOST)
- Department of Energy (DOE)
- Department of Interior and Local Government/Union of Local Authorities (DILG/ULA)
- League of Provinces
- Pasig River Rehabilitation Council (PRRC)

The items to be identified include:

- Organizational structure and roles of each sections
- Measures and actions taken by the organization in the field of:
  - human resource development
  - EMPOWER project to develop and evaluate measures and actions
  - seminars and trainings
  - information dissemination and campaign
  - economic and non-economic incentives
  - funds available for environmental management
- Schedule and results of carrying out the measures and actions
- Future plans
- Budget allocation for implementing relevant measures

**e. Measures Taken by Financial Institutions to Promote IEM**

The EMPOWER Project Team will identify roles of the following organizations relevant to IEM:

- Development Bank of the Philippines (DBP)
- Land Bank of the Philippines (LBP)
- World Bank
- Asian Development Bank (ADB)

**f. Measures Taken by Academic Institutions to Promote IEM**

The EMPOWER Project Team will identify roles of the following organizations relevant to IEM:

- Asian Institute of Management (AIM)
- Ateneo/ De la Salle University
- UP Los Baños - SESAM - PATTLEPAM - Environmental Education Network of the Philippines (EENP)
- University of Asia and the Pacific

Measures to Promote IEM including Economic Incentives

The EMPOWER Project Team will identify objectives, mechanisms, implementation, and results of the measures by the central government to promote IEM with an emphasis on economic incentives and financial mechanisms.

Evaluation of Current IEM Practice and Future Agenda

The EMPOWER Project Team will evaluate current IEM practice and identify issues for further advancement as for the items listed below.

1. Evaluation of current IEM practice by the industry sector and identification of issues for the future
  - Current status and its evaluation of environmental load posed and countermeasures taken by the industry sector
  - Challenges in reducing environmental load
  - Challenges in promoting IEM
2. Evaluation of measures and actions taken by NGOs to promote IEM and identification of issues for the future
3. Evaluation of current conditions of market for services regarding IEM and identification of issues for the future
4. Evaluation of measures taken by the public sector to promote IEM and identification of issues for the future (with emphasis on economic incentives)
5. Measures to promote IEM for the future

**SELECTION OF PRIORITY AREAS**

The EMPOWER Project Team will select priority areas for future actions to promote IEM by taking the following steps:

**1. Development of Policies and Criteria to Select Priority Areas**

The EMPOWER Project Team will develop and propose policies and criteria for selecting the priority areas to BOI by the end of March 2002.

**2. Preliminary Selection of Priority Areas**

The EMPOWER Project Team will develop fact sheets and evaluation sheets by priority area based on the selection criteria and prepare a draft proposal on the priority areas.

**3. Consultation on Selection of Priority Areas**

The EMPOWER Project Team will discuss the draft proposal on the priority areas with the Philippine counterparts and clarify selection policies by the middle of June 2002.

#### **4. Selection of Priority Areas**

The EMPOWER Project Team will discuss the selection policies based on the results of the survey on private companies and select priority areas by early July 2002.

### **STRATEGY AND POLICY TO ADVANCE IEM**

#### **Development of Measures Taken by the Central Government to Promote IEM**

The EMPOWER Project Team will evaluate following measures to be taken by the central government to promote and enhance IEM in terms of technical feasibility, expected results, and financial and human resources requirements:

- Measures to guide the industry sector
  - Provision of guidelines to set targets
  - Technical assistance in the development of a company level action plan
  - Development of environmental service providers (requirements for environmental monitoring and measurement, requirements for setting numerical targets to reduce environmental load)
- Measures to disseminate information
  - Dissemination of information on technologies and best practices in other countries
  - Establishment of information dissemination mechanisms for companies with ISO 14001 certificate
- Information exchange and awareness raising
  - Enhancing research, training, and exchange programs at PBE
  - Setting up a forum for environmental service providers and sending information
  - Raising awareness towards IEM
  - Holding forums to exchange information on IEM
- System reforms
  - Acknowledgement of best practices such as obtaining ISO14000 series certificate
  - Reduction in environmental charges and easement of other obligations
- Economic incentives
  - Establishment of private sector environmental funds or utilization of the existing environmental funds
  - Expansion of tax exemption
  - Exemption of import tax
  - Low interest rate loan from DBP
  - Mediation of loan from international financial organizations
  - Greening financial systems

#### **Policy and Strategy to Promote IEM**

The EMPOWER Project Team will elaborate policies and strategies to promote IEM especially in the priority areas and propose a draft set of policies and strategies to the Philippine counterpart. The proposal include the following items:

##### **1. Scenario and policies to promote IEM in the priority areas**

- Selection and enhancement of best practice companies
- Preparation of environmental action plans by individual companies
- Preparation of guidance on achieving targets

##### **2. Measures taken by the private sector and NGOs to promote IEM**

- Establishment of PBE and Environmental Club
- Preparation of the company environmental action plans and disclosure of their performance reports

- Objective evaluation of environmental performance through environmental measurement
- Establishment of environmental funds
- Development of information database, creation of information to be disseminated, information dissemination
- Exchange of knowledge and skills between the Philippines businesses and foreign and overseas businesses
- Development of human resources
- Raising awareness of the public towards IEM
- Support for businesses to obtain EMS certificates

### **3. Measures to develop environmental service providers**

- Creation of preferable conditions for starting and expanding environmental services
- Support for environmental service providers' efforts to create the market and commercialize the service

### **4. Other measures to promote IEM**

- Economic incentives
- Other measures

## **TARGETS FOR THE ADVANCEMENT OF IEM IN THE PRIORITY AREAS(GUIDANCE)**

The EMPOWER Project Team will elaborate targets for the advancement of IEM in the priority areas by industry. The targets include, but are not limited to, the followings:

- Establishment of EMS
- Management of environmental information
- Objectives of reducing environmental load and direction to setting quantitative targets
- Preparation of programs to reduce environmental load
- Declaration of commitment
- Preparation and disclosure of environmental performance reports

## **PREPARATION OF THE NATIONAL ACTION PLAN**

The EMPOWER Project Team will prepare the national action plan including the following items:

1. Target year
2. Basic concept and criteria to select priority measures
3. Roles of the private sector, the industry sector, and the central government
4. Targets for the advancement of IEM in the priority areas and expected programs
  - Preparation of targets to voluntarily reduce environmental load by the industry sector
  - Number of environmental action plans to be prepared by individual companies
  - Number of business entities with EMS certificate
  - Expected results
5. Measures to achieve the abovementioned targets

Actions, target year, results, implementers, and necessary financial resources are set for the following items:

  - Enhancing and organizing best practice companies
    - Enhancing research, training and information exchange programs at PBE
  - Measures to develop environmental service providers
    - Requirements for industries to conduct environmental audit and measurement
    - Requirements for industries to set quantitative targets
    - Establishment of a forum for environmental service providers and information dissemination

- Awareness raising among decision-makers in the industry
  - Proposal on system reforms
    - Establishment of the system to acknowledge best practices in environmental management (ISO14000s)
    - Deregulation such as reduction in environmental charges and environmental fund deposits for best practice companies
  - Information dissemination
    - Establishment of information dissemination mechanisms to companies with ISO 14000s certificate
    - Establishment of technical information dissemination mechanisms
  - Holding information exchange programs and forums
  - Establishment of private environmental funds and utilization of existing environmental funds
  - Economic incentives
    - Expansion of tax exemption
    - Exemption of import tax
    - Low interest loan from DBP
    - Mediation of loan from international financial organizations
  - Greening financial systems
6. Organizational and financial arrangement
    - Capacity building of the organization
    - Establishment of a coordination system with relevant organizations
    - Budget allocation
  7. Management of implementing the action plan including its revision

## PILOT PROJECTS

### Objectives of Pilot Projects

Objectives of pilot projects are to select projects to be pilot for measures in the national action plan for the promotion of IEM, consequently to be the first step of implementing the measures, and to be a starting point of continuous involvement of the central government.

### Process of Pilot Project Implementation

#### 1. Preparation of and Consultation on the Selection Process of Pilot Projects

The EMPOWER Project Team will prepare a proposal on methods and policies to select pilot projects by June 2002 and consult on the proposal with the Philippine counterpart.

#### 2. Preparation of a Draft Proposal on Pilot Projects

The EMPOWER Project Team will prepare a draft proposal on pilot projects based on the consultation above and the draft policy and strategy to promote IEM by the end of July 2002.

#### 3. Discussion and Agreement on the Draft Proposal on Pilot Projects

The EMPOWER Project Team will discuss the draft proposal on pilot projects with the Philippine counterpart, and both parties select maximum four projects and agree on their implementation. If both parties do not reach the agreement, pilot projects will not be implemented.

#### 4. Preparation and Approval of the Pilot Project Implementation Plan

The EMPOWER Project Team will prepare the pilot project implementation plan and budget proposal and submit them to JICA headquarters.

#### 5. Approval of the Pilot Project Implementation Plan by JICA and Budget Allocation

The EMPOWER Project Team will try to get an approval of the pilot project implementation plan from JICA by September 2002 and ensure necessary budget is allocated to the project implementation.

#### **6. Implementation of the Pilot Projects**

Pilot projects are likely to be implemented on the following schedule:

- Preparation : October to November 2002
- Implementation : December 2002 to September 2003
- Evaluation : October to November 2003

#### **7. Preparation of PDM (Project Development Matrix)**

The EMPOWER Project Team will prepare PDM for each project to be implemented with relevant parties, selecting indicators that enable proper evaluation of the pilot project implementation.

#### **8. Evaluation of the Pilot Project Implementation**

The EMPOWER Project Team and relevant parties will evaluate the pilot project implementation with the abovementioned PDM.

### **MEASURES TO PROMOTE THE IMPLEMENTATION OF THE NATIONAL ACTION PLAN**

#### **Actions taken by the industry sector in accordance with the national action plan**

It is private companies that should primarily promote IEM. The public sector is expected to support the private companies as encourager, guide, and backup.

The government organizations and the EMPOWER Project Team will support the private companies and industry associations for the actions listed in the national action plan. The support may be given to the following actions taken by the private sector:

- Seminar on IEM held by industry associations
- Establishment of Environment Club comprised of best practice companies
- Forum on IEM held by best practice companies
- Preparation of business agenda for IEM

#### **Short-term Trainings for the Private Sector and Dialogues between the Public and Private Sectors**

The EMPOWER Project Team will hold the following trainings and dialogues to encourage the industry sector to implement the national action plan on the promotion of IEM.

- The EMPOWER Project Team will plan the following seminars and trainings by priority area for two to five companies showing strong interest in promoting environmental management.
  - Seminar on IEM targeting corporate top decision-makers
  - Workshops for transferring technical skills to the staff in charge
- Dialogues between the Secretary of DTI and/or high government officials and corporate top decision-makers
- Establishment of a periodical forum for high government officials in BOI, EM, and others and Environmental Club members (presidents)

### **SEMINARS AND WORKSHOPS**

#### **Seminars**

The EMPOWER Project Team will hold four seminars as follows:

	Date	Participants	Length
1 <sup>st</sup> Seminar	June 2002	100	1 day
2 <sup>nd</sup> Seminar	October 2002	100	1 day
3 <sup>rd</sup> Seminar	February 2003	100	2 days
4 <sup>th</sup> Seminar	June 2003	100	1 day

The first seminar will be held for the following objectives:

- Inform relevant parties about the objectives of the EMPOWER project
- Identify current practice in IEM
- Identify the needs for the advancement of IEM

The second seminar will be held to present the following subjects based on the Interim Report.

- Evaluation of current practice of the private sector in promoting IEM
- Clarification of necessary actions for the next step
- Clarification of roles of governments, industrial associations, and NGOs

The third seminar will be held to present results of the pilot project implementation.

The fourth seminar will be held to deepen the understanding that relevant parties involved in the promotion of IEM are now standing at the gateway for the next step. Topics would cover the following:

- Evaluation of the pilot projects
- Required level of IEM for the next step
- Clarification of necessary actions taken by industry associations, public institutions and NGOs for the next step

The EMPOWER Project Team will discuss plans on seminars with the Philippine counterpart and prepare a plan for holding a seminar each time.

### **Workshops during the Pilot Project Implementation**

The EMPOWER Project Team will hold workshops during the pilot project implementation. Topics for the workshops may be selected from the followings based on the discussion between the EMPOWER Project Team and the Philippine counterpart. The EMPOWER Project Team will prepare a workshop plan and implement it after having discussions with the Philippine counterpart.

- Capacity building for the development of EMS
- Awareness-raising on IEM by priority area
- Economic incentives to promote IEM

### **RECOMMENDATIONS**

The EMPOWER Project Team will summarize the results of the EMPOWER project and recommend the actions that should be immediately taken by the public and the private sectors and NGOs

### **PREPARATION OF PDM FOR MANAGING THE IMPLEMENTATIONS OF THE NATIONAL ACTION PLAN**

The EMPOWER Project Team will discuss with the Philippine counterpart and prepare PDM for managing the implementation of the national action plan.



## ANNEX 11.3

### 11.3. Summary of the Progress on the Study on Environmental Management with Public and Private Sector Ownership (EMPOWER)

#### 11.3.4. Identification of Current Practice in Industrial Environmental Management and Issues for the Further Advancement

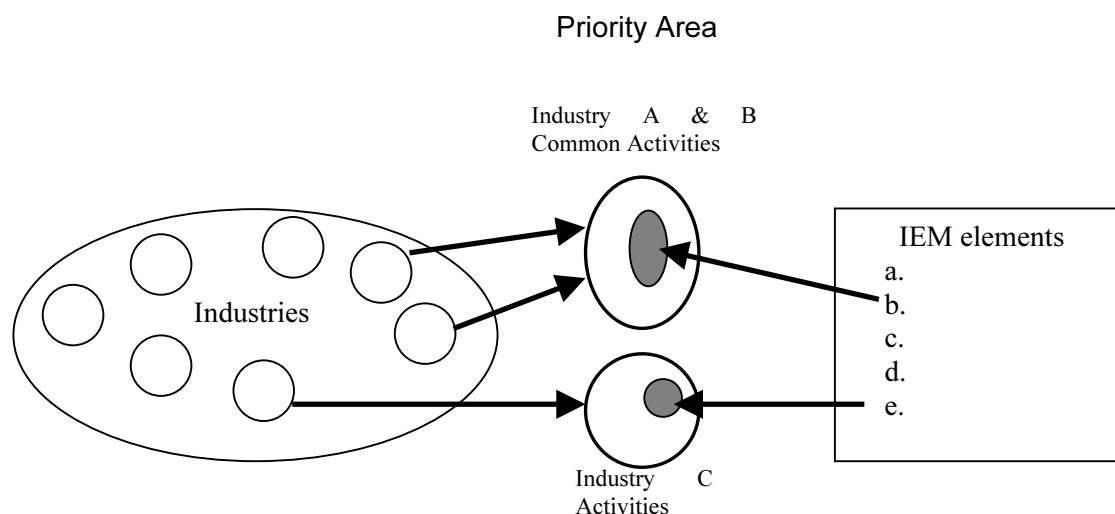
The first field survey in the Philippines was conducted in March 2002, in which the Study Team reviewed the most recent projects that focused on promoting industrial environmental management in the Philippines, specially UNDP-PRIME Project, USAID-IISE project, JBIC-ESCAP-2 and WB-CLF, and also conducted the interview survey with the following entities:

- 6 private enterprises
- 7 concerned associations
- 10 public organizations
- 3 financial institutions
- 3 academes

The Study Team will summarize information obtained through the review and interviews. It will also conduct other interviews with about 100 companies located in Luzon and Visayas nominated as representatives in terms of promoting IEM by the industry associations in order to comprehend the present state of industrial environmental management and clarify issues for the further advancement.

#### 11.3.5. Identification of Priority Areas

Priority areas are the areas where implementation of a specific IEM element in one or several industry sectors is supposed to reduce environmental load effectively.



IEM elements and their examples are shown in Table 1.

Table 1: IEM Measures by each life stage of manufacturing products

Life stage of products	IEM elements	Examples
Use of raw materials	Use of environmentally friendly raw materials	<ul style="list-style-type: none"> <li>➤ Use of recycled materials</li> <li>➤ R&amp;D on environmentally friendly products with the increased use of recycled or environmentally friendly materials</li> </ul>
	Use of environmentally friendly fuels	<ul style="list-style-type: none"> <li>➤ Use of high calorific wastes for alternative fuel</li> <li>➤ Use of renewable energy</li> <li>➤ Use of low pollutant emission fossil fuels</li> </ul>
	Reducing environmental load arising in the process of extracting natural resources as raw materials or energy	<ul style="list-style-type: none"> <li>➤ Reducing the load to natural environment at the time of extracting natural resources (minerals, forest, etc.)</li> </ul>
	Reducing environmental load arising in transporting raw materials	See Distribution Stage
Production/Manufacturing	Energy/materials saving	<ul style="list-style-type: none"> <li>➤ Efficiency improvement of production facility</li> <li>➤ Improvement of production process</li> <li>➤ Use of waste heat and unused energy</li> <li>➤ Strict energy consumption management</li> </ul>
	On-site Reuse/Recycle	<ul style="list-style-type: none"> <li>➤ On-site reuse/recycle of waste</li> <li>➤ On-site treatment and reuse of wastewater</li> </ul>
	Reducing the use of hazardous substances	<ul style="list-style-type: none"> <li>➤ Use of low or non polluting materials as a substitute</li> <li>➤ Improvement of the process which uses hazardous substances</li> </ul>
	Cleaner production	
Distribution/ wholesale/ retail	Rationalization of packaging	<ul style="list-style-type: none"> <li>➤ Reducing excessive use of packaging materials</li> <li>➤ Reuse of packaging materials</li> </ul>
	Rationalization of distribution system	<ul style="list-style-type: none"> <li>➤ Efficiency improvement of products distribution</li> <li>➤ Modal shift</li> </ul>
	Reducing environmental load arising in transporting materials and products	<ul style="list-style-type: none"> <li>➤ Use of low pollutant emission vehicles</li> <li>➤ Environmentally friendly driving</li> </ul>
Use/ consumption/ disposal	R&D of the environmentally friendly products (low environmental load products)	<ul style="list-style-type: none"> <li>➤ Energy/materials saving products</li> <li>➤ Low pollutant emission products</li> <li>➤ Products contributing to waste minimization (Long life products, easily recyclable products, etc.)</li> </ul>
	Establishment of a take back system	<ul style="list-style-type: none"> <li>➤ Establishment of collection system</li> <li>➤ Establishment of recycling facilities</li> <li>➤ Adjustment of manufacturing processes</li> </ul>

Life stage of products	IEM elements	Examples
Integrated measures	Environmentally conscious business management	<ul style="list-style-type: none"> <li>➤ EMS</li> <li>➤ Life cycle assessment (LCA)</li> <li>➤ Environmental accounting</li> <li>➤ Environmental performance assessment</li> </ul>

- Example of priority areas

- ✧ Compliance with emission/effluent standards
  - a. Air pollution abatement at stationary sources
    - Management of air emissions from boilers and generators
  - b. Water pollution abatement at specific industries
    - Management of water and wastewater in the food processing and the pulp and paper industries
  - c. Reduction in release of chemicals
    - Management of chemicals (PRTR)
- ✧ Minimization of generation and recycling of waste
  - a. Reuse and recycling of waste products
    - Reuse and recycling of electric and electronic appliances and DFE
    - Reuse and recycling of packaging waste
  - b. Minimization of waste generation
    - Zero waste (emission) plant
- ✧ CO<sub>2</sub> reduction and energy saving
  - Energy saving
  - Promotion of renewable and clean energy
- ✧ EMS
  - Green report initiative
  - Environmental accounting
  - Green purchasing
  - Green labeling

Priority areas are selected according to the following steps:

(1) Narrowing down industry sectors

- 1) Interviews with industry associations and individual companies
- 2) Narrowing down target industry sectors to 6 – 10 based on the following criteria:
  - a. Magnitude of environmental load posed by manufacturing activities and its impact on human health and ecosystems
  - b. Locations of pollution intensity (environmental hot spots, watershed, airshed, communities)
  - c. Quantity of material consumption as production input
  - d. Magnitude of environmental load posed by consumption and disposal of products
  - e. Importance of industry sector in terms of industrial policy in the Republic of the Philippines
  - f. Magnitude of an influence that the industry sector may have on advancement of IEM in the Republic of the Philippines in the future

- 3) Preparation of draft target industry sectors and locations
- 4) Discussion on the draft target industry sectors and locations
- 5) Finalization of target industry sectors and locations

(2) Narrowing down IEM elements

- 1) Identification of characteristics of and issues related to environmental load in each industry sector and difficulties/reluctance of industries to reduce the load
- 2) Narrowing down areas where IEM elements are applicable based on the following criteria:
  - a. Difficulty to comply with environmental emission/effluent standards and waste treatment standards
  - b. Magnitude of reduction in environmental load to be achieved through implementation of measures corresponding to the IEM elements
  - c. Magnitude of economic benefits to be obtained through implementation of measures corresponding to the IEM elements
  - d. Availability and feasibility of measures corresponding to the IEM elements
- 3) Preparation of draft priority areas
- 4) Discussion on the draft priority areas
- 5) Selection of priority areas

Weight may be established for each of the criteria, and the following data could serve as reference:

- LLDA
- EMB-PAB Cases
- Database established by IEMP
- MEIP (Industrial Pollution Component)
- BOI (Ten Revenue Streams of DTI)
  - (4 Revenue Sectors under BOI)
    - Motor vehicles
    - Electronics
    - Food
    - Marine

### **11.3.6. First Seminar Plan**

The seminar will be held at the 1<sup>st</sup> of August 2002 in Manila to notify relevant parties of the objectives of EMPOWER project and to identify the needs for the advancement of environmental management in the industry sector.

## ANNEX 11.4

### 11.4. Pilot Projects under EMPOWER

#### 11.4.1 Objectives to Implement Pilot Projects

##### Actions Necessary to Promote IEM

Through the study on the current conditions of IEM practices in the Philippines, the JICA Study Team has identified following actions necessary to promote IEM:

- Increase the number of business executives of the Philippines companies who recognize benefit of IEM
- Enhance capacities and activities of the parties that could increase the business executives' recognition of benefit of IEM
- Provide business executives of the Philippine companies with useful and effective information relevant to IEM
- Provide industries with target of green products (products with less environmental impacts compared to others) that they are expected to produce
- Enhance economic incentives to promote IEM
- Prepare policies to promote recycling with an emphasis on producer's responsibility
- Improve accessibility to environmental service providers for Philippine companies
- Coordinate seminars and workshops on IEM

##### Objectives of the Pilot Projects

- Initiate actions in the areas where no action has been taken
- Replicate and expand IEM activities that has been implemented
- Enhance BOI's policy to promote IEM

##### Selection of the Pilot Projects

The pilot projects are designed considering the following aspects

- Contributing to enhancement of capacity of BOI and NGOs (Philippine Business for Environment and Clean and Green Foundation, Inc.)
- No large capital investment
- Continuity and sustainability
- Feasible within a short time period

The following three projects are developed:

- Waste minimization
- Integrated IEM information system
- Ecolabeling program and green procurement policy

#### 11.4.2 Summary of the Pilot Projects

##### Waste Minimization

###### Objectives

The waste minimization pilot project aims to build awareness and commitment of businessmen and owner / entrepreneurs and introduce waste minimization programs and practices to selected companies. In addition, the pilot project has an objective that BOI and its institutional partners

utilize the results of the project to formulate measures to promote IEM. Model companies will be selected from those who have already tackled improvement of productivity and product quality and are eager to achieve the improvement by implementing waste minimization. A guidebook based on the experiences of the model companies will be prepared and disseminated to encourage other companies to start their actions.

*Expected Results of the Project (2002-2003)*

- (1) At least 20 additional business executives of Philippine companies will strongly support waste minimization for productivity improvement
- (2) At least one model company for each target industry sector implementing successful waste minimization programs
- (3) Strengthened role of at least two industry organizations to sustain waste minimization program
- (4) About 60 to 80 Philippine companies' business executives understands practical waste minimization methods and their benefits
- (5) Results of the pilot projects are summarized in a guidebook and can be utilized as information material for the promotion of BOI's IEM measures
- (6) Establishment of a government award system administered jointly by BOI and its institutional partners for the companies that conducted IEM rigorously

*Project Components*

- (1) Establishment of a waste minimization committee comprised of relevant parties such as PBE member companies, BOI/DTI, EMB/DENR, ITDI/DOST, LLDA, PEZA, and academia
- (2) Identification of results achieved and problems encountered during the past waste minimization projects
- (3) Preparation of sector-wide/industry-wide waste minimization plan by target industry sectors
- (4) On-site assessment and proposal preparation for waste minimization at 20 participating companies by experts
- (5) Implementation of measures identified as feasible and effective to minimize wastes by at least four (4) model companies
- (6) Evaluation of results of the measures at the model companies
- (7) Preparation of the guidebook on promotion of waste minimization targeting company decision-makers
- (8) IEM promotion by BOI through the dissemination of the guidebook
- (9) Workshops on steps to plan and implement waste minimization activities and on the experiences of the model companies
- (10) Policy dialogue between BOI and industry associations on IEM promotion
- (11) Discussions on and establishment of the award system for the companies rigorously conducting IEM

Target industries may be selected from those with high environmental impacts and strong commitment on waste minimization as sector (industry association) such as:

- Food processing
- Chemical
- Pulp and paper
- Foundry

*Structure of Implementation*

**Implementing body:** PBE, ITDI/DOST, BOI/DTI

**Assisting agencies:** EMB/DEBR, LLDA, PEZA, Relevant Industry Associations

**Technical and financial assistance:** EMPOWER Project (JICA)

## **Integrated IEM Information System**

### Objectives

The integrated IEM information system pilot project aims to 1) create opportunities for those who are suppliers and users of information useful to promote IEM to assess and improve quality and accessibility of information, and 2) increase accessibility to information through establishment of an integrated IEM information system such as an IEM information clearinghouse.

BOI and its institutional partners will support the PBE's information center (IEM information clearinghouse) and organize environmental service providers (environmental equipment manufactures/retailers, environmental consulting firms, recycling industries, etc.) to have policy dialogue and establish a partnership for providing information and services useful to promote IEM.

### Expected Results of the Project (2002-2003)

- (1) Establishment of a round table on coordination and improvement of information on technologies/methods and tools to promote IEM, seminars/workshops and trainings on IEM, and environmental service providers
- (2) Development of the IEM information clearinghouse with emphasis on tailoring information for SMEs (institutional and financial arrangement to support the maintenance as well as continuous improvement and updating of the information useful to promote IEM)
- (3) Establishment and commencement of the service of an integrated IEM information web site
- (4) Expanded business chances for environmental service providers through the IEM information clearing house
- (5) Increased possibilities for industries to participate in the seminars relevant to IEM in a more planned manner through utilizing the IEM information clearing house (organizers of the seminars also use the IEM information clearinghouse to provide information on the seminars)
- (6) Establishment of the partnership between BOI and the environmental service providers

### Project Components

- (1) Establishment of a working group on coordination and improvement of information on technologies/methods and tools to promote IEM, seminars/workshops and trainings on IEM, and environmental service providers
- (2) Planning on actions for coordination and improvement of information on technologies/methods and tools to promote IEM, seminars/workshops and trainings on IEM, and environmental service providers
- (3) Development of the overall design of the integrated IEM information system
- (4) Information collection and creation of IEM information database
- (5) Development and start of the service of an integrated IEM information web site
- (6) Mobilization of available resources to secure personnel and financial resources for the maintenance as well as continuous improvement and updating of the information system
- (7) Policy dialogue between BOI and IEM information providers through the working groups
- (8) Provision of information from environmental service providers through the IEM information clearinghouse

### Structure of Implementation

**Implementing body:** PBE, BOI/DTI

**Assisting agencies:** EMB/DENR, ITDI/DOST, LLDA, PEZA

**Financial and technical assistance:** EMPOWER Project (JICA)

## **Ecolabeling Program and Green Procurement Policy**

### Objectives

The ecolabeling program and green procurement policy pilot project aims to empower the Secretariat and relevant organizations to accredit the first eco-labeled products, establish organizational and methodological framework and details for eco-labeling program, and increase consumers' awareness towards eco-labeled products. In addition, the project aims to empower BOI to promote green procurement policies through BOI's EMS establishment and green procurement policy development.

### Expected Results of the Project (2002-2003)

- (1) Adoption of a master plan on the establishment of the ecolabeling program in the Philippines
- (2) Development 2 product criteria for 2 product categories
- (3) Establishment of system to accept applicants for ecolabeled products
- (4) Accreditation of one eco-labeled product
- (5) Establishment and continuous implementation of ecolabeling program
- (6) Increased awareness of consumers and industries towards eco-labels
- (7) Preparation for BOI's ISO 14001 application
- (8) Adoption of green procurement policy by BOI

### Project Components

- (1) Establishment of the ecolabeling steering committee
- (2) Preparation of a master plan on the establishment of the ecolabeling program in the Philippines
- (3) Collection and analysis of information about product categories of and product criteria for eco-labeled products and green procurement policies in other countries
- (4) Workshop on eco-labeling program and green procurement policy
- (5) Preparation of guidelines for eco-labeling program operation
- (6) Development of product criteria for two product categories
- (7) Awareness campaign on the eco-labeling program (announcement on newspapers, ecolabeling program launching event, new product criteria)
- (8) Preparation and adoption of green procurement policy for BOI
- (9) Awareness campaign and seminar on green procurement policy targeting government organizations and product suppliers
- (10) Support for BOI to obtain ISO 14001

### Structure of Implementation

**Implementing body:** Clean and Green Foundation for Ecolabeling Program, BOI/DTI for Green Procurement Policy

**Assisting organizations:** BPS/DTI, EMB/DENR, ITDI/DOST, LLDA, PEZA

**Technical and financial assistance:** EMPOWER Project (JICA), EPIC