

## **CMT-06-01: Status Report**

### ***Project***

This project is to conduct surveys on, for instance, emissions of CO<sub>2</sub> and air pollutants from the cement industry of each Partner country to serve as the basis for the development of benchmarks and subsequent projects.

### ***Participation***

*Managing Parties*

Japan.

### ***Participants (Inquirers)***

Relevant ministries and cement associations of Partner countries.

### ***Objectives***

To conduct the research survey within 2006 on the basis of existing data to understand the current status on the following items of the respective Partner country:

- emissions and emissions intensity of CO<sub>2</sub> and air pollutants;
- energy consumption and intensity;
- usage of alternative fuels and raw materials (AFR);

To identify within 2006 best practices and to what extent such best practices have been spread.

### ***Milestones***

Send out questionnaire by June and collect by October.

Develop the draft Partnership cement protocol based on WBCSD/CSI (Cement Sustainability Initiative) protocol by middle of June, for reporting CO<sub>2</sub> and air pollutants.

Conduct a training seminar on this protocol within 2006 by request.

Publish the survey results within 2006.

Update the status report in 2007 as necessary.

Conduct a further training seminar or workshop to facilitate data-gathering in 2007 as necessary.

### ***Location***

Surveys will be conducted in each country.

### ***Resources***

Japan.

### ***Detailed Description***

#### *The Method of Survey for Status Report*

- Questionnaire
  - Develop common questionnaire and survey current status in each country in order to share existing data.
  - Consider the results as reference material that helps to fix the benchmarks of the next project.
- Partnership Cement Protocol
  - Develop Partnership Cement Protocol and survey detailed current status in order to collect detailed data.
  - Develop the databases that determine to fix the benchmarks of the next project and evaluate the reduction potential.

#### *Major Survey Areas for the Status Report*

Current status of cement supply/demand, clinker production, CO<sub>2</sub> emissions and emissions intensity, energy consumption and intensity, and emissions intensities (wherever possible) of air pollutants such as SO<sub>x</sub>, NO<sub>x</sub> (in terms of SO<sub>2</sub> and NO<sub>2</sub>) and stack dust for each Partner country.

Voluntary action programs of each Partner country (if they exist).

Environment regulations (including energy conservation laws).

Production forecasts.

Installation of emissions monitoring equipment (for O<sub>2</sub>, SO<sub>x</sub>, NO<sub>x</sub> and stack dust) at the plant.

Current activities and availability of alternative fuels and raw materials (AFR).

Good and best practices under current cement production.

#### *Coverage of the Survey*

Above-mentioned intensities: production processes inside the plants only (excluding resources/fuel mining and transport to plants, outbound product shipment from plants and the sales of electricity produced by on-site power generation).

In principle, cover all plants (however, the parties may select model region(s) where all types of plants exist).

Data source and reliability should be shown in the survey.

#### *Key Activities to Identify Best Practices in Relation to Cement Production Technology and to Understand those Diffusion Rates*

Develop a list of identified good and best practices.