Guidelines on Implementation Methods & Procedures: Reporting, Reviews, Transparency

Suggestions based on Japan's experience

November 12, 2017
Technological innovation is the key to reconcile economic growth and emission reduction.

Keidanren's Viewpoint on Climate Protection Measures

CO2 Emission = Energy Efficiency × (CO2 emission / Energy Consumption) × GDP × GDP

Technological innovation and dissemination
Voluntary measures and “Pledge and Review” of Paris Agreement

Keidanren's Commitment to a Low Carbon Society

Raising target through PDCA cycle

Each industry to set targets voluntarily

Industry A  Industry B  Industry C

Paris Agreement

Raising the level of ambitions through international review

Each nation to voluntarily develop “NDCs”

Nation A  Nation B  Nation C

(1) Pledge

(2) Review

Pledge & review approach
How Japan's businesses engaged in formulating the INDC

July, 2015

Japan decided and registered its INDC to UN!
(The GHG reduction target is at the level of 26% by 2030 compared to 2013)

June, 2015

Energy mix in 2030 was decided

Japan's industries (Keidanren) strongly engaged.
(e.g.: putting the information on their emission reduction initiative)

January, 2015

The Committee for Japan's energy mix

October, 2014

The Committee for Japan's INDC
The assessment of progress is conducted every year. The overall performance is publicized by Keidanren Secretariat.
Efficiency improvement was the driving force to reduce CO2 emissions in KEIDANREN's plan.
Result of KEIDANREN’s Commitment to a Low Carbon Society


CO2 emission levels were reduced by 4.7% down across all sectors between FY 2013 and 2015

(Note) FY 2015 values are preliminary figures calculated from the Commitment to a Low Carbon Society Follow-up results by the Keidanren.
1. Participating industries and companies set their own targets.
2. The plan consists of 4 pillars (shown below).
3. 60 industries made their plans for the Phase I (toward 2020) and for the Phase II (toward 2030).
The public and private collaborative meeting between Indian and Japanese iron and steel industry

Meetings – since 2011

**Cooperative Approach**

<table>
<thead>
<tr>
<th>Year</th>
<th>Meeting</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>2011</td>
<td>1st meeting</td>
<td>Nov. 2011, New Delhi</td>
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<tr>
<td>2012</td>
<td>2nd meeting</td>
<td>Nov. 2012, New Delhi</td>
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<tr>
<td>2013</td>
<td>3rd meeting</td>
<td>Feb. 2013, Tokyo</td>
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<tr>
<td>2014</td>
<td>4th meeting</td>
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<td>2015</td>
<td>5th meeting</td>
<td>Mar. 2015, New Delhi</td>
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<td>2016</td>
<td>6th meeting</td>
<td>Feb. 2016, Tokyo</td>
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**Three pillars of the energy management in the steel plant**

- **ISO14404**
  - Steel Plant Diagnosis using ISO14404 (2013-2016)

- **Technologies Customized List**
  - Technology reference of energy saving technologies suitable for each country/region

- **Energy Management System**
  - Plan
    - Develop and use energy-saving technologies suitable for each country/region
  - Act
    - Implement the energy saving technologies from the Technologies Customized List
  - Check
    - Review the effect of technology introduction by using ISO14404
    - Cause analysis
  - Do
    - Help steel plants to establish a framework to plan, do, check and act for the energy saving activities
To promote technology development

1. Promote sound domestic/peer competition for better performance by visualizing efforts and providing incentives.

2. Provide tax incentives for promoting private R&D investment.

3. Governments should clearly indicate a numerical target of raising public investment in R&D programs, and make steady efforts to realize it.

4. Build an international framework where contribution and efforts to develop innovative technologies would receive higher evaluation.
Business can and should contribute to tackling climate change effectively in many aspects:

(1) Proactive action plan in tackling climate change
(2) Development and implementation of the INDCs
(3) Enhancing low carbon technology development
(4) Promoting Technology Transfer