

## Recent developments in energy cooperation with China and India

### 1. China

#### (1) Energy Efficiency

Japan and China held the 3<sup>rd</sup> Energy Efficiency Forum in Tokyo in November 2008, and agreed to the 19 cooperative projects in such areas as:

- Energy efficiency diagnoses and renovation of coal fired power plants
- Commercial application of fluidized bed coal moisture control systems
- Improving efficiency in industrial boilers
- Developing Human Resources for Energy Management
- Improving efficiency in commercial building

#### (2) Oil Stockpiling

METI/JOGMEC(Japan Oil, Gas and Metals National Corporation) have provided technical assistance to NDRC/NEA/NORC(China National Oil Reserve Center). In 2008, both sides exchanged missions to have exchange of information and site visits.

### 2. India

#### (1) Energy Efficiency

Japan and India held the 3<sup>rd</sup> Energy Dialogue in Tokyo in September 2009, and agreed to cooperate in areas such as:

- Supporting establishments of Indian Regional Energy Efficiency Centers
- Promoting Energy Service Companies

#### (2) Oil Stockpiling

METI/JOGMEC have provided technical assistance to MOP&NG(Ministry of Petroleum & Natural Gas)/OIDB(Oil Industry Developing Board)/ISPRL(Indian Strategic Petroleum Reserve Ltd.).

In October 2007, JOGMEC and OIDB/ISPRL held the Technical Seminar on Oil Stockpiling.

## Clean Energy Components in Japanese Economic Stimulus Package

Budget: billion yen (=10 million USD)

### **[Renewables]**

FY09 draft	FY08 Supplement	
20	9	Subsidize homeowners who purchase PV cells(120k residences)
4	1	Subsidize purchase of electric/plug-in hybrid vehicles and installment of high speed charging facilities
6		Subsidize purchase of residential fuel cell cogeneration systems(4k units)
36		Support local governments and industries to install advanced renewable facilities including mega-solar generators
8	0.5	R&D on advanced renewable energy sources including next generation PV cells
0.8		Develop innovative production system of cellulosic ethanol
3		R&D on advanced storage cells
7	0.8	Develop PFEC, Proton-Exchange Membrane Fuel Cell

### **[Efficiency]**

FY09 draft	FY08 Supplement	
30	6	Subsidize enterprises who introduce energy efficient facilities and equipments (High performance industrial furnaces and boilers etc.)
1.2		Provide SMEs with energy efficiency diagnosis and subsidize energy efficiency improvement services by ESCOs
16	2	Support investments to improve energy efficiency in buildings and residences, including highly insulated houses/buildings, high performance water heaters, air conditioners and heat pumps
7		R&D on innovative energy efficiency technologies including organic electroluminescence lamp etc.

### **[Total]**

139	19.3
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Tax measures;  
income tax credits for residential efficiency and renewable investments including solar power generation equipment

Accelerated depreciation for industrial efficiency and renewable investments