

# Press Release



New Energy and Industrial Technology  
Development Organization

<http://www.nedo.go.jp/english/index.html.jp>

June 23, 2011

## **Demonstration Project for Electric Power System Stabilization Technologies in Turkey – Participants Selected for a Feasibility Study for a Collaborative Japan-Turkey Project –**

The New Energy and Industrial Technology Development Organization (NEDO) has selected a group of three companies, Mitsubishi Electric Corporation, Mitsubishi Heavy Industries, Ltd. and Mitsubishi Research Institute, Inc., to participate in a feasibility study for a demonstration project to be carried out in the Republic of Turkey. The project, which will demonstrate technologies focusing on supply and demand management of variable renewable energy output that is generally difficult to control, will be conducted collaboratively by NEDO and the General Directorate of Electrical Power Resources Survey and Development Administration of the Republic of Turkey in order to introduce and diffuse large-scale renewable energy such as wind power generation in Turkey.

### **1. Project Overview**

In order to reduce the influence of unstable renewable energy power generation on power grid systems, measures to maintain power quality through utilization of power storage, inverter-related technology and other technologies need to be taken. The Republic of Turkey has a national goal of introducing 20,000 MW of wind power capacity by 2023, and pumped-storage power generation that serves as a large-scale power storage system is planned to be installed in consideration of the introduction and diffusion of a large-scale wind power generation system. This project will be carried out based on hybrid power generation projects of the General Directorate of Electrical Power Resources Survey and Development Administration to introduce approximately 10 MW of wind power generation capacity and approximately 4 MW of pumped-storage power generation capacity in Yalova Province. The project will examine optimal construction and operation as measures to realize electric power system stabilization in Turkey.

The specific details of the demonstration project will be determined following an assessment of the results of a feasibility study.

NEDO has selected the following companies to participate in the feasibility study for the demonstration project. Additional information follows below.

Participants: Mitsubishi Electric Corporation, Mitsubishi Heavy Industries, Ltd., and Mitsubishi Research Institute, Inc.

Duration: From the date specified by NEDO to November 30, 2011.

Project budget: Approximately 30 million yen for the feasibility study; the budget for the demonstration project will be determined based on an assessment of the feasibility study results.

## **2. Contact Persons;**

Mr. Imada, Mr. Yonekura, International Affairs Department, NEDO

Tel: +81-44-520-5190

Mr. Morozumi, Mr. Hayashi, Mr. Nomura, Smart Community Department, NEDO

Tel: +81-44-520-5269