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PRESS RELEASE

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The Third Country Training Programme for Iraq
on Electricity

P O I N T

JICA signed an agreement with NEPCO on the Third Country Training Programme for Iraq on Electricity

1. Training Contents:

- (1) Institutional System and Regulations (ISR)
- (2) Total Quality Management (TQM)
- (3) Plan & Design of Distribution Network (PDD)

2. Jordanian Counterpart: NEPCO

3. Duration: October 2005 to March 2006

4. Number of Participants: 30 participants for ISR, 25 participants for TQM, 10 participants for PDD.

5. Objectives: This programme will introduce laws and regulations on electricity towards market oriented economy and active private participation. It also covers measures for effective administration and management systems on electricity to enhance good and effective governance in the ministry.

It also contains engineering technical trainings, such as Distribution Network Design in order to facilitate rehabilitation works.



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Power facilities in Iraq have been seriously deteriorated due to conflicts, lack of investment and maintenance, and looting occurred after the outbreak of the war. Though installed power capacity was 9,295 MW in 1990, about 70 percent of total capacity was damaged during the 1991 Gulf war. It recovered to 4,000 MW through the Oil for Food Programme assisted by the United Nations but it dropped to 3,300 MW after the last conflict.

Reconstruction work by various donor agencies started soon after the conflict. However, generating capacity is still hovering around the pre-war level because reconstruction work has been sluggish and sabotages are repeated due to serious security constraints.

As a result, people have been suffered nationwide from frequent load shedding all the day.

Every effort has to be made for recovering and developing power sector in terms of physical and institutional aspects.

NEPCO and JICA have organized various technical cooperation projects in this sector such as Power Network System (SCADA), TIG Welding, Cable Jointing, Optical Fiber Splicing, Operation & Maintenance on Thermal Power Plant, and Training Center Management in close consultation with MOEI.

Several urgent topics have been identified through relevant surveys and discussions. Those topics are as follows:

- Review on present institutional systems
- Examination of appropriate tariff and billing system
- Review on present technical and safety code
- Upgrading power facilities
- Upgrading and updating technical skills of engineers

The National Development Strategy, which was made public at the donor conference held in Tokyo in October 2004, clearly stipulates that the government should concentrate on policy and regulation, while public services should be enhanced through private sector participation.

The state-run power sector system, such as laws, regulations and tariff system needs to be reviewed in order to get prepared for the expected sector reforms. It is also important to improve administration system and basic technical skills of staff in order to improve efficiency.

This course is designed to tackle those issues.



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Purposes and expected outcomes of sub courses:

(1) Institutional System and Regulations (ISR)

The purpose of this course is to let MOEI staff learn about knowledge, lessons and know-how on institutional issues which are considered to be necessary to tackle market oriented economic transformation.

The course shall review and examine strengths, weaknesses, opportunities and threats (SWOT) of current status of institutional system, namely 1) laws, regulations 2) private sector participation, 3) metering and tariffs, 4) restructuring, and 5) finance information system which are currently being discussed under the Steering Committee of MOEI (SC).

The course will be conducted in a participatory manner. MOEI participants are requested to present current status of those five topics. Japanese experts will introduce examples of laws, regulations, unbundling and privatization, and lessons of other countries, especially Japan. Discussion and analysis shall be made based on mutual interactions.

(2) Total Quality Management (TQM)

At the end of these courses, the Participants are expected to be able to :

- a. Understand principles of total quality management and quality control measurements.
- b. Understand process approach in quality management system.
- c. Understand concept of ISO and how to apply for it.
- d. Understand measurements, analysis and development of processes performance.

(3) Planning & Designing Electrical Distribution System (PDD)

At the end of these courses, the Participants are expected to be able to :

- a. Identify the components of the distribution substation.
- b. Locate the correct place of distribution substation (S/S).
- c. Determine the Transformer Capacity, Dist. Board, Circuit Breakers & Fuses Ratings.
- d. Understand the basic plan & design principles of Distribution Overhead Lines.

JICA, as technical cooperation agency, has conducted capacity development programmes in various fields in cooperation with Jordan and other neighboring countries in line with Japanese Government's Iraq reconstruction programme.



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So far, training programmes in solid waste management and cultural heritage have been successfully implemented this year. We plan to organize these training programmes in many other sectors as such as water supply, water resources, health, education and so forth.

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