



MINISTRY OF PLANNING AND INTERNATIONAL COOPERATION

MAJOR ENERGY INFRASTRUCTURE PROJECTS

I. Jordanian Gas Networks in Main Cities

A construction of about 393 km pipelines gas transmission system from the delivery point of Egyptian Gas at Aqaba shore to Rehab and Samra Power Stations in the northern part of Jordan is under implementation now. The project will be completed at the beginning of 2006, it is in Jordan's interest to encourage development of gas distribution businesses. The Ministry of Energy and Mineral Resources will hire a Consultant to conduct a feasibility study for Gas Distribution projects in main cities in Jordan. Upon the recommendation of the feasibility study tenders for establishing a Distributed Gas networks in selected main cities will be in 2005.

II. 300 MW Combined Cycle IPP project

The new IPP project is to develop a combined cycle power plant burning natural gas as primary fuel and diesel as secondary fuel (the capacity will be in the range of (300) MW and the selected site for this project is Al-Manakher, which will be 20 km east of Amman. The project will be implemented on a Build, Own and Operate (BOO) basis. The main aim of the project is to cover the electricity demand during the period (2008-2010). The project implementation schedule is as follows:

Date	Action
First Quarter of 2005	Sponsors Prequalification phase
Second Quarter of 2005	Issuance of RFP documents to the sponsors
Third Quarter of 2005	Submission of Proposals
First Quarter of 2006	Evaluation of bids and selecting the first ranked developer
Third Quarter of 2006	Completion Negotiation with project developer and signing the project agreements
Third Quarter of 2007	Financial close
Third Quarter of 2008	Commercial operation date Simple Cycle (SC)
Third Quarter of 2009	Commercial Operation date Combined Cycle (CC)

Consulting Services for this project are currently being conducted by K & M Engineering and Consulting Corporation-USA.

III. The Expansion of Jordan Petroleum Refinery Company project

Jordan petroleum Refinery Company (JPRC) is a public share holding limited company operating according to a Concession Agreement granting the exclusive right (monopoly) to refine, store, transport, distribute and market petroleum products, the Concession Agreement will be expired by 2008. JPRC owns and operates Jordan only oil refinery in Zarqa which has a refinery capacity around 100,000B/D(404 MM tones/year).

In order to meet the projected growth in Jordanian demand for light and intermediate petroleum products beyond the year 2006, and to comply with the worldwide shift to cleaner fuels. The expansion will consist of:

- 1) Increasing the crude distillation capacity to increase production of petroleum products by adding vacuum units, RFCC, Hydrocrackrs.
- 2) New reformer and Isomerisation units to be enable unleaded gas line production.
- 3) A distillate Hydrotreater for low sulfur diesel products and Naphtha units.
- 4) Increasing the storage capacity.
- 5) Adding Sulfur plant, Hydrogen plan and Solvent deasphalter units.

It is expected to launch tendering process of this project after completing all relevant studies during the second half of year 2005.

IV. Transmission Electricity Grid Projects

The main aim of the project is to strengthen the National Electric grid all over the country by construction of 400 KV transmission lines consists of about 365 Km 400 KV double circuit overhead transmission line connecting Aqaba 400KV substation located in the south of Jordan with Amman Area passing through Wadi Araba Valley, the Dead Sea, then to the south of Madaba, east of Amman to reach the existing 400 KV Amman North substation or the planned 400KVC substation in east-north of Amman. This needs the expansion of Aqaba substation 400 KV by adding one and half 400KV circuit breaker to connect the two new circuits to the new planned Amman East North substation and the estimated cost is US\$120 million and the expected operational date is in 2009.