

Japan International Cooperation Agency (JICA)

State Joint Stock Company "Uzbekenergo"

THE DETAILED DESIGN STUDY

FOR

MODERNIZATION OF TASHKENT THERMAL POWER PLANT

IN

THE REPUBLIC OF UZBEKISTAN

**FINAL REPORT
(MAIN REPORT)**

January 2004

Tokyo Electric Power Services Co., Ltd.

MPN

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04-024(1/2)

Preface

In response to a request from the Government of the Republic of Uzbekistan, the Government of Japan decided to conduct the Detailed Design Study for Modernization of Tashkent Thermal Power Plant in Republic of Uzbekistan, and entrusted the study to Japan International Cooperation Agency (JICA).

JICA sent to Uzbekistan a study team headed by Mr. Kenji MIKATA, Tokyo Electric Power Services Co., Ltd., and organized by Tokyo Electric Power Services Co., Ltd. and a technical surveillance staff of Global Planning Corp. five times from September 2002 to November 2003.

The team held discussions with the officials concerned of the Government of Uzbekistan and conducted a series of field studies. After its return to Japan, the team conducted further studies and compiled the results in this report.

I hope this report will be utilized for contributing to stable power supply and environmental improvement in the Republic of Uzbekistan as well as further evolution of friendship relations between both nations.

I wish to express my sincere appreciation to all those who participated in this study project for their close cooperation with the team.

January 2004

Tadashi Izawa

Vice-President

Japan International Cooperation Agency

January 2004

Mr. Tadashi Izawa
Vice-President
Japan International Cooperation Agency
Tokyo, Japan

Dear Mr. Izawa

Letter of Transmittal

We are pleased to submit to you a final report on "the Detailed Design Study for Modernization of Tashkent Thermal Power Plant in Republic of Uzbekistan" The report is to propose the recommendations for efficient and economical management of Tashkent Thermal Power Plant by modernization of the Plant with replacement of certain units of existing power generating units into a current gas turbine combined cycle power generating unit as well as by establishment of preventive maintenance procedures of the existing units.

We assure that the modernization of the Plant will be contributive to the stabilization of power supply, the improvement of environment and the development of related areas, and that the application of the recommendations of this report to the power development plan of the Republic of Uzbekistan will contribute to not only the promotion of the republic(←public ?) welfare, but also the industrial development in the country.

Finally, we would like to express our gratitude to your agency, the Ministry of Foreign Affairs, the Ministry of Economy, Trade and Industry, and Japan Bank for International Cooperation for well suited advice and support.

Very truly yours,

Kenji MIKATA
Team Leader,
the Detailed Design Study for
Modernization of Tashkent
Thermal Power Plant in Republic
of Uzbekistan



Bird's-eye View of Tashkent Thermal Power Plant



Bird's-eye View of Tashkent Thermal Power Plant (from Administration Building)



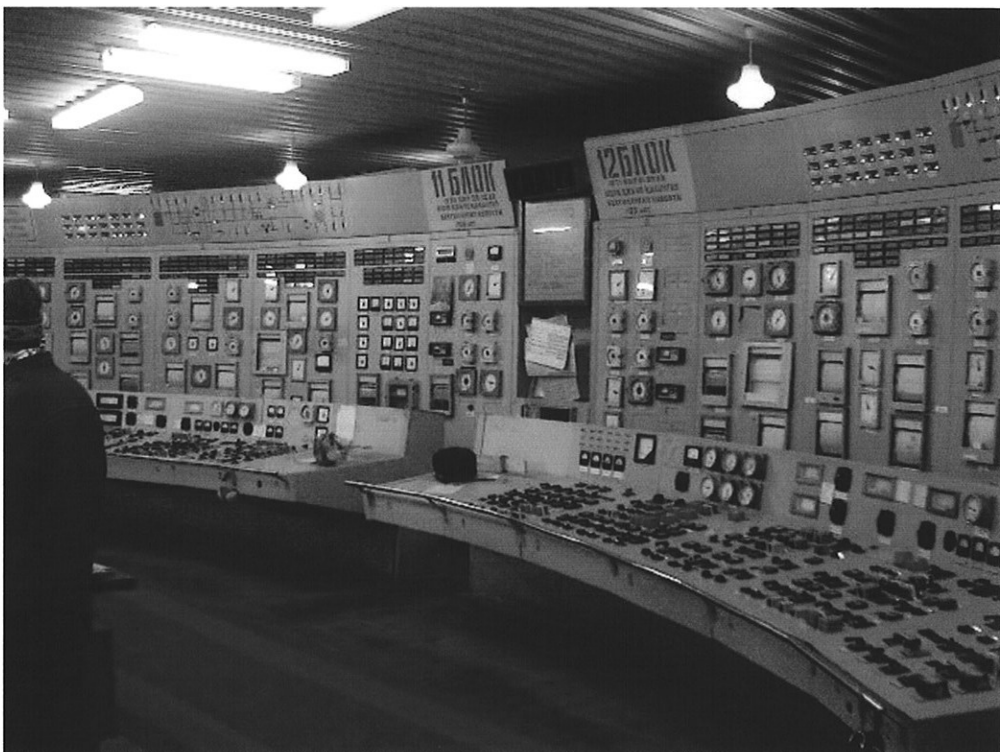
The Existing Boiler Equipments(Units 11 and 12 from right side)



The Existing Steam Turbine



The Existing Generator



The Existing Central Control Room