



**Economic and Social  
Council**

Distr.  
RESTRICTED

ENERGY/WP.2/AC.10/INF.2  
11 March 1997

ORIGINAL : ENGLISH

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**ECONOMIC COMMISSION FOR EUROPE**

**COMMITTEE ON ENERGY**

**Working Party on Electric Power**  
**Workshop on the Role of Enhancement of**  
**Utilization of Primary and Secondary Hydro**  
**Potential in the Context of Environmental**  
**Protection**  
**Bratislava (Slovakia), 13-15 May 1997**

**INFORMATION NOTICE NO. 2**

**Introduction**

At the invitation of the Government of Slovakia a Workshop will be organized at Bratislava from 13 to 15 May 1997 on "The Role of Enhancement of Utilization of Primary and Secondary Hydro Potential in the Context of Environmental Protection".

This Information Notice contains guidelines on the presentation of papers and information on participation in and arrangements for the Workshop.

**I. PURPOSE OF THE WORKSHOP**

The purpose of the Workshop is to consider the importance of hydro power generation in the context of ecological and economic parameters and to exchange views on modelling of financial aspects of hydro-power generation projects, as well as related issues at the design and operational stages. The Workshop will also discuss possibilities of international cooperation in this regard.

**II. SPONSORSHIP AND VENUE**

The Workshop is convened under the auspices of the Ministry of Economy of Slovakia, in cooperation with Slovenské Elektrárne a.s. (SE), with the Slovak National Committee of the World Energy Council, and with the Working Party on Electric Power of the United Nations Economic Commission for Europe (ECE).

It will take place at the following venue:

**Gastrocentrum SPECTRUM**

**Záhradnícka 95**

**821 08 Bratislava**

### **III. TOPICS TO BE CONSIDERED**

- Role of hydro-energy in energy economy: present situation and prospects for the development of large hydro power plants.
- Environmental impacts of hydro power plants and related environmental impact assessment (EIA).
- Rational use of hydro-electrical potential in the light of new concepts for environmental protection and progress in technologies. Modernization and ecologization of existing hydro-electric power stations.
- Financing models of hydro-energy investments.

### **IV. DOCUMENTATION AND PREPARATION OF PAPERS**

The working language of the Workshop will be English and simultaneous interpretation will be provided in Slovak. All documentation and papers prepared by national experts and experts from international organizations should be in English.

Authors are invited to transmit to the ECE secretariat and organizers two camera-ready copies of their papers of not more than 4,000 words prepared in English to the secretariat and organizers by 15 March 1997 to be reproduced by the organizers and to be available at the Workshop (Diskettes in WordPerfect would be appreciated). Authors unable to meet this deadline are requested to send 70 copies of their papers to the organizers to be available to the participants.

### **V. PARTICIPATION**

Participants are invited to return the completed final registration form (annex) to the secretariat and organizers by 15 April 1997.

All participants should be in possession of a valid passport or an equivalent document. Entry visas, where applicable, should be obtained from the diplomatic representation of Slovakia in the country of origin or residence.

## **VI. ACCOMMODATION AND TRANSPORT ARRANGEMENTS**

A limited number of rooms have been provisionally reserved at the following hotels and it is the responsibility of the participants to book and pay the hotels direct :

**Hotel NIVY (At walking distance)**  
**Líšcie Nivy 3**  
**821 08 Bratislava**

**Tel.: 42-7-541 0390-5**  
**Fax: 42-7-541 0389**

**Hotel Holiday Inn (At 400m from the venue)**  
**Bajkalská 25/A**  
**825 03 Bratislava**

**Tel.: 42-7-524 5111**  
**Fax: 42-7-524 5111**

No transport will be provided by the organizers during the course of the Workshop.

A working lunch will be possible in the premises of Gastrocentrum SPECTRUM. Costs of all meals are the responsibility of participants.

Transport to Bratislava is possible by rail; or by air to Bratislava airport or Vienna - Schwechat airport.

A shuttle transport service will be provided from Vienna - Schwechat airport. Participants may contact staff in departure hall at the desk signed: UN-ECE Bratislava on Monday, 12 May 1997 from 11 AM to 6 PM.

For interested participants, the technical visit on Thursday May 15 can end at Vienna - Schwechat airport at approximately 3 P.M.

The registration desk will be open on 13 and 14 May, 1997 from 0800 to 1700 at the second level of Gastrocentrum SPECTRUM at the entrance of the working room.

Departure for the technical visit on Thursday May 15 will be at 9 AM in front of Hotel Nivy.

## VII. PROGRAMME

Monday, 12 May 1997 - Arrival of participants

Tuesday, 13 May 1997

8.30 AM      Presentation

9.30              Official opening by Mr. Karol Česnek, Minister of Economy

10.00 - 12.30      **Session I :**

Chairman of the session :

Mr. Jan Hijj - Director of the Section of Basic Branches, Ministry of Economy.

### **Keynote papers**

- The most important works constructed in Slovakia utilizing the primary and secondary hydroenergetic potentials for electricity production (Mr. Miroslav Zacharovský)
- Analysis of utilization of pumped storage in the management of the Slovak power system and the role of the pumped storage Ipeľ to the year 2010 (Mr. Vladimír Mokrý)
- Possibilities for further use of the primary and secondary hydroenergetic potentials in Slovakia. Pumped storage plant Ipeľ (Mr. Ladislav Ľarbajovský).
- Preparation and construction works of hydro power plant Žilina (Mr. František Čížik)
- Prospects for the hydropotential utilization in Slovakia ( Mr. Marián Supek).

12.30

Working lunch

1.30 - 4.30      Session II.

Chairman of the session: Mr. Jozef Tarič, Director of the Section of Hydroeconomy, Ministry of Agriculture

- Construction works and financing of the investment hydro work Gabčíkovo (Mr. Július Binder)
- Economic aspects of the utilisation of hydro potential in Slovakia and possibilities of the solution (Mr. Milan Dušička)
- BOT (Build - operator - transfer) schemes as financial models of hydro power projects (Mr. August Grausam)

6.00 P.M. Reception at the invitation of the Minister of Economy

Wednesday May 14, 1997

8.30 Presentation

9.00 - 12.0 Session III

Chairman of the session: Mr. Ján Zuskin, Head of section of nature's and country's protection, Ministry of Environment, Slovakia

- Ecological aspects of the hydro energy and possible means to improve the ecological conditions of water reservoirs (Mr. Alexander Čajka).
- Utilization of primary and secondary hydroenergetic potentials of Slovakia for power production by the end of 1996 and its effect on the environment (Mr. Milan Dusicka).
- Crucial role of surface and ground water upon the natural environment.(Messrs. Zoltán Hlavatý, Igor Mucha, Ľubomir Banský)
- Construction of the hydro works Gabčíkovo - Nagymaros from the point of view of environment in the past, at present and in the future (Mr. Mucha).
- Utilization of the hydro-energy potential of the rivers with regard to environmental protection-model Northern Slovakia (Mr. Miroslav Zontag).

12.00 Working lunch

1.00 - 4.00 Session IV and conclusion

Chairman of the session: Messers Vladimir Seewald, Slovenské Elektrárne, Vodné elektrárne Trenčín.

- Modernisation of control system of primary and secondary hydroenergetic sources of electricity from the point of view of meeting the important functions by them in the operation of the power system in Slovakia (Mr. Vladimir Seewald).
- Progressive technologies, modernisation of equipment of hydro power plants aimed at rationalization of utilization of hydroenergetic potential and environmental protection (Mr. Pavol Sabela).
- Utilization of hydropotential of Vah river (Mr. Jozef Banas)
- Development of micro hydro power plants in Slovakia (Messers Dušan Abaffy Csc, . Ján Kadlubec).
- Frevdenav HPP - ecological measures and ground water management (Mr. Rudolf Huepfl).

**Notice :** Light refreshments will be provided during the morning and afternoon.

**Annex****REGISTRATION FORM**

Workshop on the Role of Enhancement of Utilization of Primary and Secondary  
Hydro Potential in the context of Environmental Protection

Bratislava, 13 - 15 May 1997

Completed form to be returned no later than 15 April 1997 to:

Ms. S. Kiciman  
Senior Economic Affairs Officer  
Energy Division  
Economic Commission for Europe  
United Nations  
Palais des Nations  
CH - 1211 Geneva 10  
Switzerland  
Tel.: +41 22 917 2446  
Fax: +41 22 917 0038/36

Mr. D. Slamka  
International Cooperation  
Slovenské Elektrárne a.s.  
Hraničná 12  
827 36 Bratislava  
Slovakia  
Tel: +42 7 569 3501  
Fax: +42 7 521 7533/25

Surname:	First Name:
Country/Organization:	
Position:	
Business address:	

Tel:	Fax:	E-mail:
Arrival (time):	Airport:	Date:
Departure (time):	Airport:	Date:

Hotel NIVY:	Hotel Holiday Inn:
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DATE:	SIGNATURE
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Notice: It is the responsibility of the participant to book accommodation direct with the Hotel.