

# **VIEWS ON THE NORTHEAST ASIA POWER GRID INTERCONNECTION**

**Ri Gyong Nam**  
**Pyongyang Electric Power Design Institute**

First of all, I want express my thanks to the hosts, the Chinese State Power International Service and “Nautilus Institute” for inviting us to the workshop on Northeast Asian Power Grid Interconnection. Through this workshop we could understand the purpose of Northeast Asia power grid interconnection between the countries in the region and the efforts being made for its realization.

At present, we think the establishing the system of the regional power interconnection has to be studied more and more from the light of mutual benefits and in conformity with the specific realities of each countries before its implementation. We maintain the principle of fully using energy resources in the country to ensure the independence of the national economy in every way and to exchange the electric powers with the neighboring countries on the principle of filling each other’s needs.

I think the electric power interconnection is of great significance not only in increasing the generation and the effectiveness of electricity, but also in providing loads rationally in each countries to exchange the electricity reasonably and time requirements by interconnecting the power systems of the countries in the North-East Asia. So far, we have not paid much attention to this issue since we didn’t feel much of necessity of power system interconnection with other countries.

While building the national economy, we have confronted with various hindrances due to many reasons and it has produced a harmful effect on the national electric power development. Due to the slow growth in the expansion of generation to meet the increasing demand, the electricity situation is tense in our country. In order to solve it, we are doing a lot of work in the energy field.

First, practical measures are being taken to strengthen the existing power plants for increasing the maximum production of electricity. Improving the efficiency of water utilization in the hydropower plans and the renewal of the equipment in the thermal power plants are carried out on a full scale. End-users are trying to reduce the electricity consumption by introducing the advanced technology into the plants. The big efforts are being made also to reduce the loss in the transmission and distribution system by introducing the advanced technology. On the other hand, we are putting our efforts to the construction of large-sized hydropower plans, while trying to develop the wind power along the coast area and in the mountainous area where wind is available, and to develop the tidal resources along the west sea. As I mentioned, now we maintain the principle of using the energy resources of the country to the maximum to support the independence of the national economy in every way and in the future will continue to do it.

I consider the issue of establishing the electric power grid interconnection in the North-East Asia has to be studied more and more through the joint research work. In the joint research work, countries in the region can share technical matters each other and exchange their practical experiences in solving many issues raised in different energy development. We are willing to carry our more effective work through this joint research project in the future.

Thank you.