

Technical Meeting on Hands-on Experience in Developing and Managing Nuclear Power Programme

**4 - 8 April 2011
Seoul, Republic of Korea**

Organized by		International Atomic Energy Agency
Hosted by		Korean Nuclear Society in cooperation with SNU
Sponsored by		MEST, KHNP, DOOSAN, KEPCO E&C

Welcoming Message



“We welcome you to the Technical Meeting on Hands-on Experience in Developing and Managing Nuclear Power Programme, where you can strive toward the use of future green energy for mankind.”

It is my great honor to invite you to this technical meeting during this pleasant Korean spring season. On behalf of the Korean Nuclear Society, I would like to express our faithful appreciation to all of the distinguished participants for their interest and effort in helping us make this meeting possible.

We are all here together to discuss and exchange information on nuclear technologies and tools. I hope this one-week course will enhance the world-wide development of nuclear power programs. In addition, I hope to promote cooperation in the development of nuclear power plants, both for our own sake and for the greater benefit of mankind.

I look forward to creating a spirit of mutual sharing of nuclear information among the member states in the form of research, training, education, personnel exchanges, and so on for the development of sustainable nuclear power programs.

The findings of this meeting will provide significant intellectual and collaborative contributions, the implications of which will stretch far beyond this meeting. In this regard, I am grateful to all of you for participating in this meeting.

I wish all participants a very fruitful meeting and a delightful stay in Korea, both professionally and personally.

Thank you.

April 2011
Goon-Cherl Park, Professor
Former President of Korean Nuclear Society
Department of Nuclear Engineering
Seoul National University

1. BACKGROUND

The infrastructure to support the implementation of a nuclear power project includes a wide range of topics, ranging from the physical facilities and equipment associated with the delivery of the electricity, the transport of material and supplies to the site, the site itself, and the facilities for handling radioactive waste material, to the legal and regulatory framework within which all of the necessary activities are carried out, and the human and financial resources necessary to provide confidence in the ability to implement the required activities.

The Member States considering to launch a nuclear power programme have been recommended to have an appropriate infrastructure to ensure safe, reliable and peaceful use of nuclear power programme. The infrastructure includes many components - from industrial infrastructure such as manufacturing facilities, the legal and regulatory frameworks, the institutional measures to ensure safety and security, the necessary human and financial resources, to the socio-political aspect such as a high quality of decision-making process through public information and understanding. Therefore, to advance the implementation of nuclear power programmes particularly in the Member States embarking on nuclear power or expanding nuclear power programme and, it is clear that more emphasis needs to be placed on appreciating technical issues related to engineering, procurement and construction (EPC) issues and addressing them in a comprehensive manner that will be understandable to stakeholders.

2. PURPOSE OF THE MEETING

The purpose of the technical meeting is to provide an international forum to review and exchange an overview of technologies and tools to achieve from bidding preparation to construction with the selected suppliers for establishing nuclear power programme. Main topics to be shared among participants and invited experts will be how to select engineering, procurement and construction (EPC) contractors and insights/ lessons learned from past projects during construction. The following objectives will be implemented during technical meeting.

- Expanding opportunities for hands-on experience in developing and managing nuclear power programs,
- Improving information sharing among MS to promote sustainability of support programs

3. MEETING PLACE

Seoul National University Hoam Faculty House 239-1
Nakseongdae, Gwank-Gu, Seoul, Korea
Tel 82-2-871-4053
<http://hoam.ac.kr/english/>

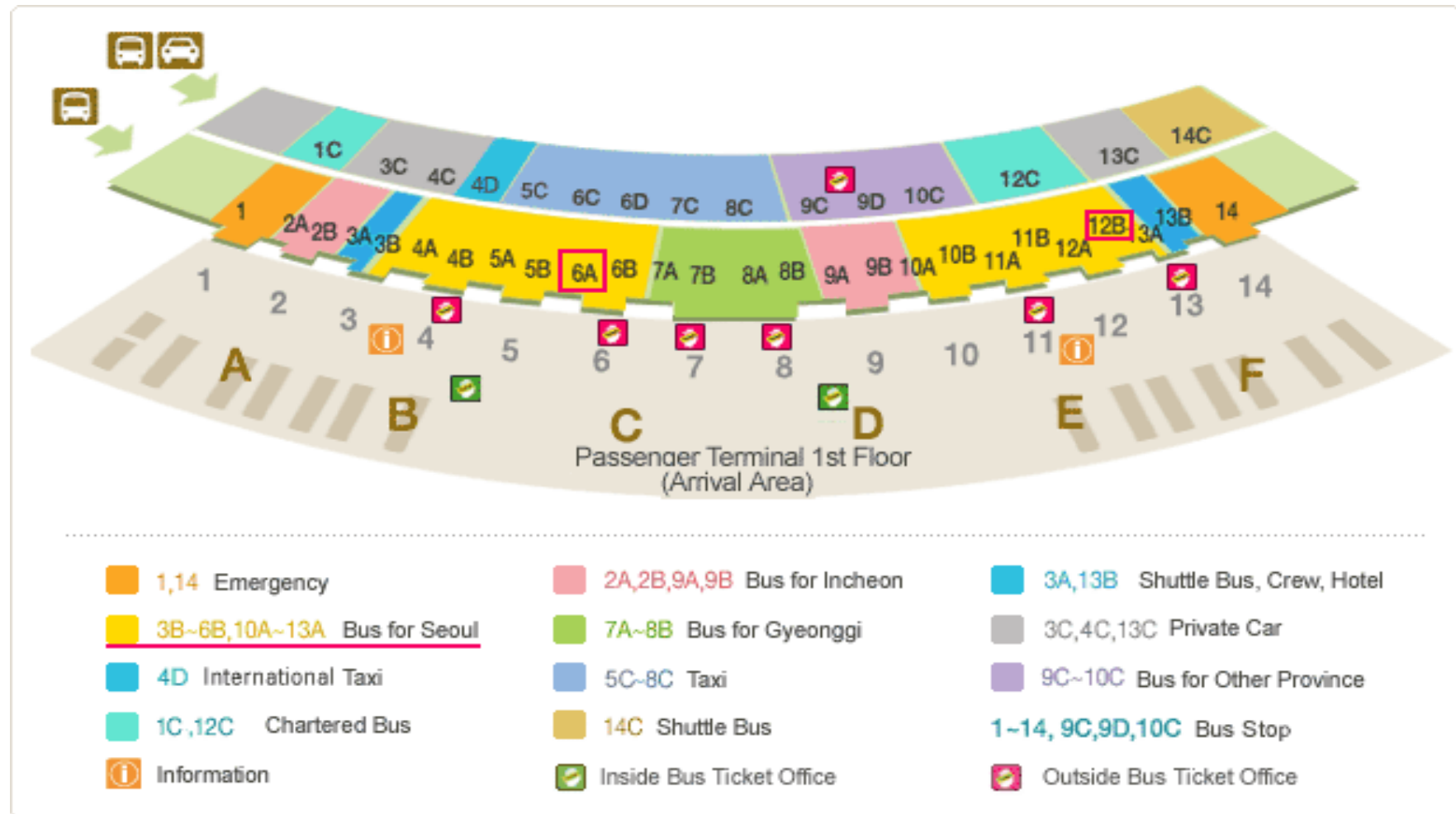
4. TRANSPORTATION

After security clearance at Incheon airport, you will take a Limousine bus (number 6003) at Bus stop 6A or 12B. It will take 60 ~ 90 min according to traffic conditions. You will get off at the last bus station (Seoul National University) and to go hotel (Hoam faculty house), you will take a taxi. It will take just five minute. (There is no bus or public transportation). If you want to take a taxi, please visit information center and use the certified taxi. Do **NOT** use any personal taxi or un-authorized taxi. Please ask the estimated cost before getting taxi.

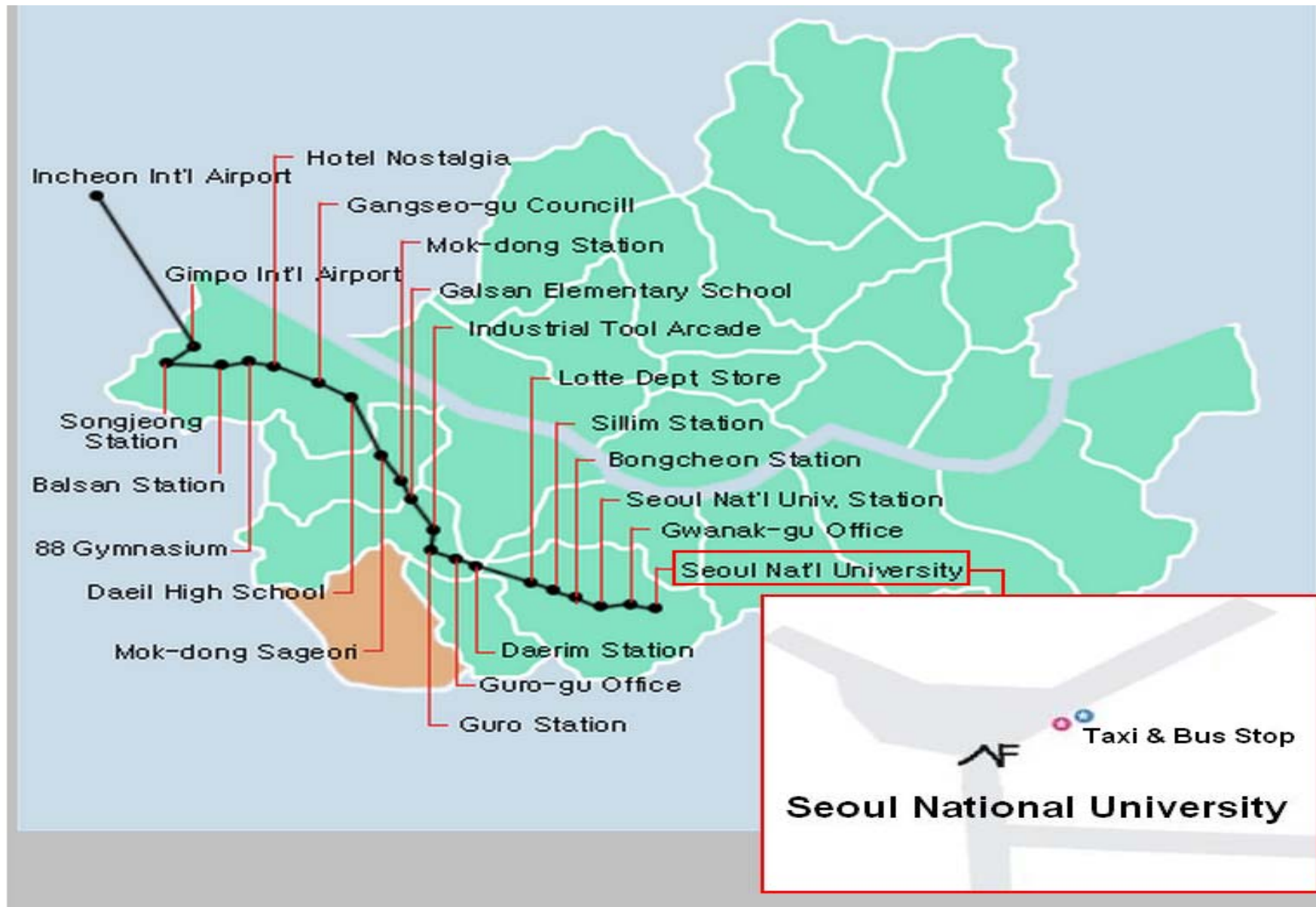
Day/Time	Monday, 4 April	Tuesday, 5 April	Wednesday, 6 April	Thursday, 7 April	Friday 8 April
08:30– 09:00	Registration of participants	New Business Strategy to build nuclear power plant projects in USA Garry Young, Entergy/ USA	Ex-Im Bank Nuclear Procedures and Guidelines and Environmental Requirements Ashok Pasricha, EXIM Bank/USA	EPC Selection and Contracting Models Garry Young, Entergy/ USA	Nuclear Fuel Cycle and Radioactive Waste Management Won Il Ko, KAERI/Korea
09:00 – 09:30 (Monday only)	Opening of Technical Meeting Congratulatory address (KNS, MEST)				
08:30 – 09:30	Introduction of participants Group photograph				
09:30 – 10:30	IAEA Programme to support Nuclear Power Programme and Japan Nuclear Accidents KANG Ki-Sig, IAEA	Export – Import Bank financing Policies and Guidelines Ashok Pasricha, EXIM Bank/USA	Financing Experience for NPP Projects Hyoung Ill Kim, KHNP/Korea	Case Studies for Construction Management (Design and Project management) Hyo Sun Chung, KHNP/ Korea	Importance of the Nuclear Non-proliferation Kwan Kyoo Choe, KINAC/Korea
10:30 – 11:00	Coffee Break				
11:00 – 12:00	Preparation for the introduction of the first NPP (Key success factors: examples and experience from Korea) Kee-Cheol Park, KHNP/Korea	Lessons Learned from NPP Construction Management(I) (Successful and failed projects) KANG Ki-Sig, IAEA	Engineering Education In University for Nuclear Human Resources Goon Cherl Park, SNU/Korea	Introduction to Manufacturing of NSSS Major Equipment Jeong Yong Park, DOOSAN/ Korea	Conclusion, evaluation of the workshop, closing remarks. Experts, participants, G.C. Park, SNU/Korea H.R. Kim, KAERI/Korea Ki Sig Kang IAEA Participants
12:00 – 13:00	Lunch Break				
13:00 – 14:00	Lessons learned from past build nuclear power plant projects in USA : Key success factors: examples and experience from USA Garry Young, Entergy/ USA	Regulatory Aspect of Nuclear Power Program Development Kwang Sik Choi, KINS/Korea	Lessons learned from NPP Construction Management (II) (Successful and failed projects) KANG Ki-Sig, IAEA	Design and Construction Consideration of a NPP Kab Seok Ko, KEPSCO E&C/ Korea	Seoul Cultural Tour according to conditions

Day/Time	Monday, 4 April	Tuesday, 5 April	Wednesday, 6 April	Thursday, 7 April	Friday 8 April
14:00 – 15:00	Nuclear Power Programs in Korea - Past and Future: Chang Sun Kang, SNU/Korea	Main Features on Safety and Security of NPP Won Pil Baek, KAERI/Korea	Parallel Work Groups Explanation of tasks, formation and conduct or work Work Group I – Project management, Human Resource Management (Facilitator : Mr. Garry, Mr. Park) Work Group II – Financing Mechanism, Approach (Facilitator : Mr. Pasricha, Mr. Kim)	Parallel Work Groups Explanation of tasks, formation and conduct or work Work Group I – Engineering and Contract / management (Facilitator : Mr. Garry, Mr. Ko) Work Group II – Role of the customer/utility in quality management (Facilitator: Mr. Chung, Mr. Kang)	
15:00 – 15:30	Coffee Break				
15:30 -16:30	National Presentations (Nigeria, Malaysia Philippines, Poland, Chile) Discussion	National Presentations (Belarus, Mongolia, Vietnam, Thailand) Discussion 17:30-18:00 Welcome reception (Hoam Faculty House)	Continuation of Parallel Working Group	Continuation of Parallel Working Group	
16:30 - 17:00			Group Reports	Group Reports	
18:00 - 20:00				Banquet (Hoam Faculty House)	

Bus stops at Incheon international airport (6A or 12B)



Limousine Route



* You can take a taxi between the limousine bus stop of Seoul National University and Hoam faculty house (About 5-10 minutes).

Limousine Time Table

Incheon International Airport | Airport bus route information

Seoul Nat'l Univ.(6003)

Direction	Airport - Seoul Nat'l University
Route	Seoul Nat'l Univ.(6003)

Bus type		Limousine (Standard)
Interval		12~20
Travelling Time		90 min
First Bus	to Airport	4:30
	to Seoul Nat'l University	05:00
Last Bus	to Airport	20:00
	to Seoul Nat'l University	22:45
Fees		KRW 9,000(Gimpo5,000)
Vendor Name		Airport Limousine
Contact		02-2664-9898
Bus stop		6A,12B

Time line of departing Buses

[Route&Time table](#)

Station
Gimpo Int'l Airport
Songjeong Station
Balsan Station
88 Gymnasium
Hotel Nostalgia
Deungchon Middle School(Hotel Green World)
Gangseo-gu Council
Daeil High School
Mok-dong Sageori
Mok-dong Station
Galsan Elementary School
Guro Industrial Tool Arcade
Guro Station
Guro-gu Office
Daerim Station
Lotte Dept. Store(Gwanak)
Sillim Station
Bongcheon Station
Seoul Nat'l Univ. Station
Gwanak-gu Office
Seoul Nat'l University

Contact

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