International Seminar on Diamer-Basha Hydropower Project – Way Forward from Technical, Commercial & Financial Perspectives

7 - 8 February 2019, Islamabad

Pakistan is blessed with ample water reserves but due to population growth and climate change impacts, is now facing acute shortage as per capita water availability has drastically decreased from 5,600 m^3 to 1,000 m^3 during last 50 years. Despite arid and semi-arid conditions of the country, the development of water resources in the form of Indus Basin Irrigation System during 70s, led to fulfill the agriculture, energy and water use needs of the country. Pakistan, however couldn't add any large scale storage reservoir in the system to meet the growing demands for both food and energy needs of its growing population. At the same time, on average 30 MAF of water leaves the system during shorter period of monsoon without any use rather causing large scale damage to agriculture and infrastructure besides loss of precious human lives.

There are numerous potential sites for development of large dams for multipurpose usage on the mighty Indus river and most specifically is the Diamer-Basha Dam with gross reservoir capacity of 8.1 MAF and power generation potential of 4500 MW. The arrangement of large scale funding for implementation of the project is talk of the day in the wake of growing scarcity and energy shortage in the country. There is need to explore various options and instruments in terms of project implementation and financial aspects for arriving at a viable and implementable solution.

In the light of above, Pakistan Engineering Council being a national organization has planned a 2-day International Seminar on Diamer-Basha Hydropower Project from 7 - 8 February 2019 to unfold its financial and implementation modalities. Top World companies dealing in the investment and construction of Hydel power are invited to explore avenues for this project and at the same time identifying best viable model for implementation. The participants and presenters of the seminar are expected from leading international and national firms working in large dams & hydro-power generation, water sector professionals, economic analysts, representatives of donor agencies, researchers, policy makers, civil society and legislators. The major themes to be covered under this seminar would be;

- Pakistan Reservoir based Hydropower Projects
- International Large Scale Hydropower Projects

- Diamer-Basha Hydropower Project Development & Management Model
- Regulatory & Legal Framework for Development of Diamer-Basha Hydropower Project
- Financing Options & Tariff Structuring for Diamer-Basha Hydropower Project

Seminar Date: 7 - 8 February 2019

Venue: Serena Hotel, Islamabad

Focal Person:

Dr Ashfaq Ahmed Sheikh
Additional Registrar
Pakistan Engineering Council
Ph: (+92) 51 2876702
Cell: (+92) 300 5557859
Email: drashfaq@pec.org.pk
Website: www.pec.org.pk

International Seminar on Diamer-Basha Hydropower Project – Way Forward from Technical, Commercial & Financial Perspectives

(7 – 8 February 2019, Serena Hotel, Islamabad)

Day-1	
Session-1: Inaugural	
9:30 - 10:00	**Registration**
10:00 - 10:05	**Recitation of Holy Quran**
10:05 - 10:10	**National Anthem of Pakistan**
10:10 - 10:20	**Opening Remarks**
10:20 - 10:30	**Brief Introduction of Diamer Basha Dam**
10:30 - 10:40	**Remarks by Guest of Honor**
10:40 - 10:50	**Address by Federal Minister for Water**
10:50 - 11:20	**Address by Chief Guest**
11:20 - 11:30	**Presentation of Mementoes**
11:30 - 11:45	**Tea & Coffee Break**
Session-2: Pakistan Reservoir based Hydropower Projects	
11:45 - 12:15	**Hydropower Potential in Pakistan - Diamer Basha Dam Hydropower Project: Key Technical, Financial, Environmental Features and Benefits**
12:15 - 12:45	**Experiences & Lessons Learnt from development and implementation of Tarbela and Mangla Hydro Power Projects**
12:45 - 13:00	**Question / Answer & Discussions**
13:00 - 14:00	**Lunch & Prayer Break**
Session 3: International Large Scale Hydropower Projects	
14:00 - 14:30	**Experience & Lessons Learnt from development & implementation of China Three Gorges Hydropower Project**

14:30 - 15:00	**Experience & Lessons Learnt from development & implementation of Itaipu Hydropower Project in Brazil**
15:00 - 15:30	**Experience & Lessons Learnt from Grand Ethopian Renaissance Dam**
15:30 - 16:00	**Question/ Answer & Discussions**
16:00 - 16:30	**Concluding Remarks**
16:30 - 17:00	Tea & Coffee
Day-2	
Session-4: Diamer Basha Hydropower Project Development & Management Model	
10:00 - 10:10	**Day-1 Briefing**
10:10 - 10:40	**Development Model of Diamer Basha Hydropower Project through SPV, Private, Public or Public-Private Partnership**
10:40 - 11:10	**Diamer Basha Dam Project Management**
11:10 - 11:30	**Question / Answer & Discussions**
11:30 - 11:45	**Tea & Coffee Break**
Session 5: Regulatory & Legal Framework for Development of Diamer Basha Hydropower Project	
11:45 - 12:15	**Regulatory Framework for development of Diamer Basha Hydropower Project**
12:15 - 12:45	**Legal and Contractual Framework for Development of Hydropower Projects**
12:45 - 13:00	**Question / Answer & Discussions**
13:00 - 14:00	**Lunch & Prayer Break**
Session 6: Financing Options and Tariff Structuring for Diamer Basha Hydropower Project	
14:00 - 14:20	**Options for Financing Diamer Basha Hydropower Project**
14:20 - 14:40	**Options and Issues for Tariff Structure for Payback to Perspective Investors**
14:40 -15:00	**Transmission Line & Interconnection Arrangements**

15:00 - 15:30	**Financing Opportunities and Modalities**
15:30 - 16:00	**Question / Answer & Discussions**
Session 7: Concluding Session	
16:00 - 16:15	**Wrap-up Discussions**
16:15 – 16:25	**Way Forward**
16:15 – 16:35	**Concluding Remarks**
16:35 – 16:40	**Vote of Thanks**
16:40 onwards	**Tea/ Coffee**