



SAARC Perspective Workshop Program
“The Past, Present and Future of High Voltage DC (HVDC)
Power Transmission”

Lahore, Pakistan | 30 September – 01 October 2015

| Tuesday, 29 September 2015 | |
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| Arrival of Delegates: Lahore, Pakistan | |
| Wednesday, 30 September 2015 | |
| Inaugural Session at Hotel Avari, Lahore | |
| Time | Description |
| 0900 – 0930 | Registration |
| 0930 – 0940 | Tilawat Quran-e-Majeed |
| 0940 – 0950 | Welcome address: Mr. Muhammad Naeem Malik, Director, SAARC Energy Centre (SEC) |
| 0950 – 1000 | Keynote Address: Mr. Wajahat Saeed Rana, General Manager, Grid System Construction, National Transmission and Dispatch Company Limited (NTDCL), Pakistan |
| 1000 – 1015 | Chief Guest, Mr. Abid Sher Ali, Honorable State Minister for Water and Power, Government of Pakistan |
| 1015 – 1045 | Group Photo and Refreshments |
| Session 1 | |
| Chair: Mr. Muhammad Naeem Malik, Director, SAARC Energy Centre | |
| 1045 – 1200 | Country Scenario: Presentations by the participating Member States |
| 1200 – 1230 | Technology Consideration for Cross Border Power Interconnections Mr. Hassan Jafar Zaidi, CEO, Power Planners International, Pakistan - UK |
| 1230 – 1245 | USAID SARI/EI: Key Activities Undertaken and the Way Forward Mr. V. K. Kharbanda, Project Director, Integrated Research and Action For Development (IRADe), USAID SARI/EI, India |
| 1245 – 1300 | An Introduction to the Project CASA-1000 Mr. Muhammad Daud, Former General Manager, Planning (Power) NTDCL, Pakistan |
| 1300 – 1400 | Luncheon |
| Session 2 | |
| Chair: Mr. Hassan Jafar Zaidi, CEO, Power Planners International | |
| 1400 – 1430 | Flexible HVDC in China Mr. Wang Bo, Deputy Project Manager, China Electric Power Equipment & Technology Co., Ltd., China |
| 1430 – 1510 | Inside the Technology: HVDC v/s HVAC Mr. Tauqeer Ahmed, Project Engineering Manager (Eastern Alberta Transmission Link), Siemens, Canada |
| 1510 – 1530 | Pakistan Entering into the Era of HVDC Technologies Mr. Abdur Razzaq Cheema, Consultant, NTDCL, Pakistan |
| 1530 – 1545 | Coffee/Tea Break |
| Session 3 | |
| Chair: Mr. V. K. Kharbanda, Project Director, Integrated Research and Action For Development (IRADe), USAID SARI/EI, India | |
| 1545 – 1600 | Regional Power Interconnections Mr. Anjum Ahmad, Senior Energy Specialist, World Bank, Pakistan |
| 1600 – 1700 | High Voltage AC and DC Transmission for Power System Interconnection Dr. P. N. Fernando, Former Manager, Energy Division, Infrastructure, Energy, Financial Sectors Dept (East), Asian Development Bank <i>Delivered by Mr. Hassan Jafar Zaidi</i> |
| Welcome Dinner | |
| 1930 – 2130 | Welcome Dinner hosted by SAARC Energy Centre at Salt & Pepper Village, Gulberg, Lahore |

| Thursday, 1 st October 2015 | |
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| Session 4 | |
| Chair: Mr. Rihan Akhtar, CFO, Central Power Purchasing Agency (Guaranteed), Pakistan | |
| 0930 – 1000 | Management Roadmap: Introduction of HVDC Technology in Pakistan Mr. Mohsin M. Syed, Member, Board of Directors, NTDCL, Pakistan |
| 1000 – 1040 | Rationale for HVDC and HVAC Mr. Tauqeer Ahmed, Project Engineering Manager (Eastern Alberta Transmission Link), Siemens, Canada |
| 1040 – 1100 | Protection Perspective of HVDC Technology Mr. Muhammad Shafique, Chief Engineer, System Protection, NTDCL, Pakistan |
| 1100 – 1120 | Coffee/Tea Break |
| Session 5 | |
| Chair: Mr. Mohsin M. Syed, Member, Board of Directors, NTDCL, Pakistan | |
| 1120 – 1140 | SARI/EI study: Harmonization of Grid Codes, Standards and Operating Procedures for Transmission System Interconnection & for facilitating/Promoting CBET in South Asia Mr. Rajiv Ratna Panda, Senior Project Manager, Integrated Research and Action For Development (IRADe), USAID SARI/EI, India |
| 1140 – 1210 | Critical Importance of Testing and Certification of Power System Equipment Mr. Bas Verhoeven, Director Marketing & Sales, KEMA Laboratories, Netherlands |
| 1210 – 1240 | South Asian Power Sector: Investment Prospects, Challenges and Issues Mr. V. K. Kharbanda, Project Director, Integrated Research and Action For Development (IRADe), USAID SARI/EI, India |
| 1240 – 1300 | HVDC Transmission System Mr. Oomen Chand, Executive Director (HVDC Engg.), PowerGrid, India; <i>Delivered by Mr. Ghanshyam Prasad and Mr. Y K Sehgal</i> |
| 1300 – 1400 | Luncheon |
| Session 6 | |
| Chair: Mr. Anjum Ahmad, Senior Energy Specialist, The World Bank | |
| 1400 – 1450 | HVDC – the Chinese Experience Ms. Quan Bailu, Chief Engineer, HVDC Expert, China Electric Power Equipment & Technology Co. Limited, China |
| 1450 – 1515 | CASA 1000 – Up to date Progress Mr. Rihan Akhtar, Chief Financial Officer, Central Power Purchasing Agency (Guaranteed) |
| Valedictory Session | |
| Chair: Ch. Muhammad Arshad, Managing Director, NTDCL-Pakistan | |
| 1515 – 1530 | Group Photo |
| 1530 – 1540 | Summing-up the SAARC HVDC Intervention by Mr. Salis Usman, Program Coordinator, SEC |
| 1540 – 1550 | Address by the Chief Guest, Ch. Muhammad Arshad, Managing Director, NTDCL-Pakistan |
| 1550 – 1605 | Distribution of Certificates |
| 1605 – 1620 | Vote of Thanks by Mrs. G.P. Senanayaka, Ceylon Electricity Board, Sri Lanka |
| 1620 – 1645 | Refreshments |
| Friday, 2 October 2015 | |
| Delegates Depart from Lahore, Pakistan | |