

PROGRAMME PLAN

SAARC Training Workshop

Load/Power Flow Studies using PSS/E for Efficient National & Cross Border Interconnected Power Systems in South Asia

Thimphu - Bhutan

18th – 20th July 2018

Tuesday, 17 th July 2018	
Guests Arrive: Thimphu, Bhutan	
Wednesday, 18 th July 2018	
Inaugural Session	
Time	Description
0900 – 0930	Registration
0930 – 1000	Welcome Address: <i>Mr. Mohammad Naeem Malik, Director, SAARC Energy Centre, Islamabad</i>
	Keynote Address: <i>Mr. Karma Namgyel, Officiating Chief Engineer, TPSD, DHPS</i>
	Address by the Guest of Honor: <i>Sonam P. Wangdi, Director General, Department of Hydropower & Power Systems, MoEA</i>
1000 – 1015	Distribution of shields by <i>Mr. Mohammad Naeem Malik, Director, SAARC Energy Centre</i>
1015 – 1100	Coffee/Networking break and Group photograph

Technical Sessions by Trainer Team Mr. Rahul Chakrabarti, Dy. Manager, POSOCO India Mr. Riza Naqvi, Senior Engineer, POSOCO India	
1100 – 1200	Country Presentations
1200-1300	Session-I “Introduction to power system simulation using PSSE” - Views in Power flow interface - File types in PSSE - Program settings - PSSE Documentation <i>Creating a new case</i> <i>Familiarization with data types and Modifying power flow data</i>
1300-1400	Lunch
1400-1530	Session-II “Getting started in power flow with PSSE” <i>Power flow solution</i> <i>Hands-on exercise in power flow</i>
1530-1700	Session-III “Diagrams in PSSE” <i>Diagram view and Diagram Toolbar</i> <i>Diagram options</i> <i>Creating diagram of a subsystem</i> <i>Hands-on exercise</i> <i>[Tea Break In between]</i>
Welcome Dinner	
1930-2130	Welcome Dinner hosted by the SAARC Energy Centre
Thursday, 19th July 2018	
1000-1200	Session-I “Exploring power flow solution” - Solution methods - Solution parameters - Viewing power flow results - Limit checking reports - Hands-on exercise: Examining power flow results <i>[Tea Break In between]</i>

1200-1300	Session-II “Toolbars and Diagrams” • Usage of common toolbars • Program preferences
1300-1400	Lunch
1400-1600	Session-III “Introduction to Fault Analysis” • Generator and Load conversion • Setting up a sav case for fault analysis • Balanced switching options • ANSI and IEC fault analysis options • Hands-on exercise on ✓ fault level calculation at network buses ✓ Charging studies
1600 - 1700	Session- IV “Data checking in PSSE” • Using program features for bad data detection • Handling a blown-up power flow case • Hands-on exercise <i>[Tea Break In between]</i>
Friday, 20th July 2018	
1000-1200	Session-I “Introduction to Dynamic simulation” • Basic logic flow for dynamic simulation activities • Setting up a *.dyr case for dynamic simulation • Dynamics documentation • Defining channels for simulation output • Initializing a dynamics case <i>[Tea Break In between]</i>
1200-1300	Session-II “Introduction to Dynamic simulation” • Applying disturbance • Hands-on exercise on running a basic dynamic simulation
1300-1400	Lunch

1400-1530	Session-III “Contingency analysis” • Creating data files for basic contingency analysis • Transfer limits calculation in PSSE (Activity TLTG) • Contingency ranking in PSSE
1530-1600	Discussion / Closing
Valedictory Session	
1600 - 1700	Valedictory Address: <i>Karma P Dorji, Chief Engineer, DHPS, MoEA and GM Member SEC</i>
	Distribution of Certificates
	Vote of Thanks: <i>By one of the participating member country representative</i>
	Refreshments
Saturday, 21st July 2018	
Delegates Depart	