

South Asia Regional Energy Partnership (SAREP) Presentation

on

Theme presentation and deliberation on ideas/ new activities under Task Force-2 on "Advancement of Transmission System Interconnections for Cross Border Electricity Trade" in the context changing/evolving scenario in South Asia and updating and expansion of the Task Force-2 activities

Session 6: Ideas/new activities under Task Force-2 on "Advancement of Transmission System Interconnections for Cross Border Electricity Trade" in the context changing/evolving scenario in South Asia and updating and expansion of the Task Force-2 activities

11th Meeting of SAREP Task Force-2 on "Advancement of Transmission System Interconnections for Cross Border Electricity Trade" 16.15-16.45 Hrs, 16th February 2023, Trisuli Hall Conference Hall, Kathmandu Marriott Hotel, Kathmandu, Nepal

Presented by Rajiv Ratna Panda and Ajit Kumar

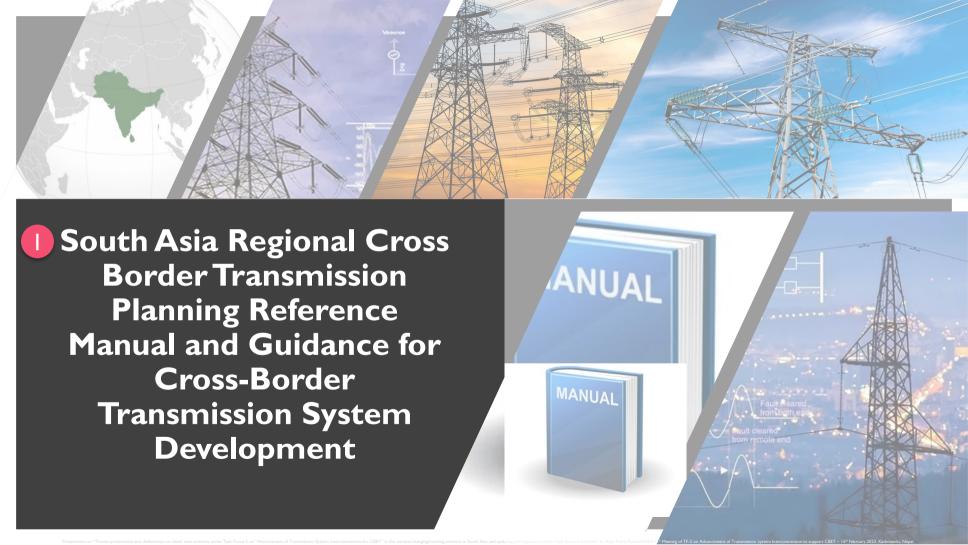


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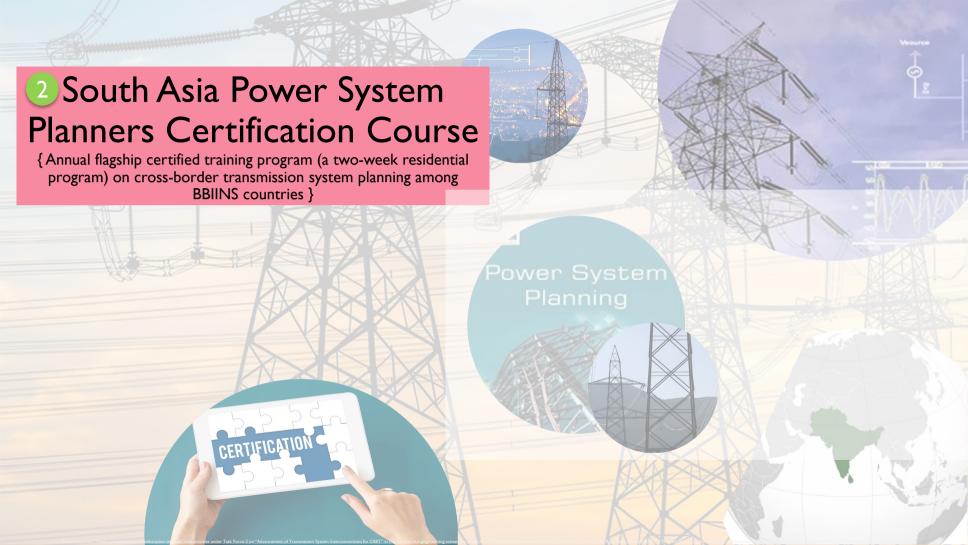




- South Asia Regional System and Market Operation Reference Manual and Guidance on Cross-Border Power System and Market Operation
- South Asia Regional Power System and Market Operation Course { Annual flagship certified training program (a two-week residential program) on Cross-Border System and Market Operation among BBINS countries }



U	Guidance for Cross-Border Transmission System Development
	Number of cross border transmission interconnection has been planned and proposed with various time frame among Bangladesh, Bhutan, India, Nepal and Sri Lanka (BBINS).
	Planning expertise in South Asian varies from country to country.
	To streamline and further enhance the Cross Border Transmission Planning, a knowledge document in the form of Manual/Toolkit "South Asia Regional Cross Border Transmission Planning Reference Manual and Guidance Kit for Cross-Border Transmission System Development" could be helpful to enhance Cross Border Transmission Planning ecosystem and associated knowledge.
	 The above technical manual is reference manual and not a mandatory in nature. It will cover both theoretical and practical aspect of cross border transmission planning. This will cover various aspects of planning including a step by step process for planning and development of cross border transmission in South Asia. Various codes, rules, regulations and criteria to be considered while planning the system. Familiarise planners so as to be accustomed with simulation/modelling tools used for different studies. Dos and Don'ts in cross border transmission planning.
	To be developed in partnership with a leading planning utilities of the region.
	To be updated in every two year or as per the need.





- ☐ South Asia Power System Planners Certification Course on crossborder transmission system planning to be a
 - Annual flagship certified training program (a two-week residential program) on cross-border transmission system planning among BBINS countries.
 - ☐ Training to be hands on and practical in nature.
 - ☐ Computer Simulation and Power system simulation exercise to be a part of training.
 - ☐ Familiarity with Operating the system planning software.
- Aims to create professional pool Certificated transmission planners on cross-border transmission system planning among BBINS countries.
- ☐ To be developed in partnership with a leading planning utilities of the region.





South Asia Regional System and Market Operation Reference Manual and Guidance for Integrated Cross Border System and Market Operation



South Asia Regional System Operation Reference Manual and Guidance for Integrated Cross Border System and Market Operation
System operation expertise and process in South Asian (SA) varies from country to country.
To streamline and further enhance the integrated system operation knowledge, a knowledge document in the form of Manual/Toolkit "South Asia Regional System Operation Reference Manual and Guidance on Cross Border Power System and Market Operation" could be helpful to enhance integrated power system operation and associated knowledge.
 The above technical manual is reference manual and not a mandatory in nature. It will cover both theoretical and practical aspect of cross border power system and market operation. This will cover various aspects of cross border system operation including a step by step process for cross border power system and market operation, ancillary service vis-à-vis grid management in SA. Various codes, rules, regulations and criteria to be considered while system. Familiarise planners so as to be accustomed with power system operation simulation/modelling tools used Role and function of system operator in Power Market. Dos and Don'ts in cross border power system and market operation. Ethics of power system operator and integrated South Asia power system and market operation.
To be developed in partnership with a leading power system operator of the region. To be updated in every two year or as per the need.



South Asia Regional Power System and Market Operation Certification on Cross-Border System and Market Operation in BBINS Countries

{ Annual flagship certified training program (a two-week residential program) on Cross-Border System and Market Operation among BBINS countries }

- South Asia Regional Power System and Market Operation Course on Cross-Border System and Market Operation in BBINS Countries
- □ South Asia Regional Power System and Market Operation Course on cross-border transmission system operation to be a
 - Annual flagship certified training program (a two-week residential program) on Cross-Border System and market operation among BBINS countries.
 - ☐ Training to be hands on and practical in nature.
 - Computer Simulation and Power system operation simulation exercise, market operation from system operators perspective to be a part of training.
 - ☐ Familiarity with Operating the system and market operation tools.
- Aims to create professional pool of power system and market operation among BBINS countries.
- ☐ To be developed in partnership with a leading system operation utilities of the region.



Thank You





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