

South Asia Regional Energy Partnership (SAREP) Presentation

on

Draft Terms of Reference (TOR) of the Knowledge Study

on

"Learnings from International Experiences on undertaking Electricity Market Reforms, its role in Electricity Market Integration, Development of Regional Electricity Market, and develop Regional Electricity Market Vision for South Asia"

Session 3: Updates on the planned Interventions of the SAREP Task Force-3 on "South Asia Regional Electricity Market"

11th Meeting of SAREP Task Force-3 on "South Asia Regional Electricity Market" 15.30 - 16.00 Hrs., 11th October 2023 , The Maitland State Room, Mount Lavinia Hotel, Colombo, Sri Lanka

> Presented by Rajiv Ratna Panda, Power Market Specialist, SAREP



Content



02 Objective of the Knowledge Study

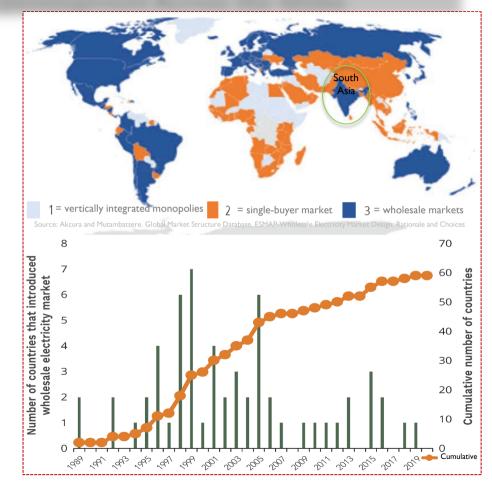


03 Draft Terms of Reference of the Knowledge Study



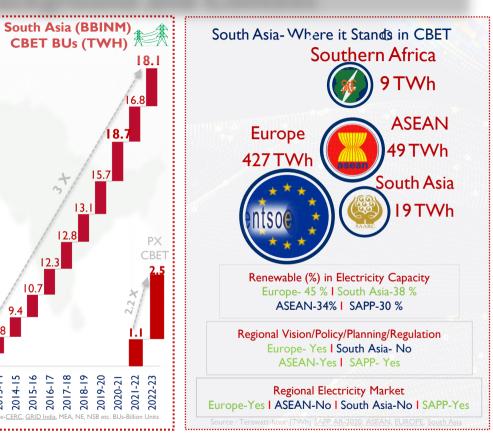
Power Sector Evolution, Market Development Across the Globe

- Barely 3 decades ago, it became feasible to introduce advanced, bid-based electricity markets compatible with the physical operation of a power system.
- Today, around 60 countries have power systems with competitive cost- or bid-based wholesale markets.
- These include most countries in Americas, Europe, Australia, a growing number of countries in Asia including India, Japan, the Philippines, Singapore, and South Korea.
- Interest in creating electricity markets also arises from the examples offered by power pools that interconnect electricity systems across borders to enable electricity trade & the sharing of reserves.



South Asia (SA): Background and Context

- Energy & Power System are undergoing Transformation due to various Socio-economic, Climate Change, and Energy Security concerns, from Global Grid to Prosumers.
- Electricity Markets around the globe are continuously being improved with new design and products.
- While CBET has increased in South Asia, potential remain large.
- Though not a prerequisite, It is desirable to have some level of electricity market reform (EMR) to have optimal regional electricity market (REM) development.
- Regional Vision/Framework are seen in other regional grids such as in Europe as the building block for sustainable REM development.
- In South Asia there it is desirable to have a collective and shared vision for Regional Electricity Market Development.



A collective and shared vision for Regional Electricity Market Development in South Asia could be helpful to advance market integration

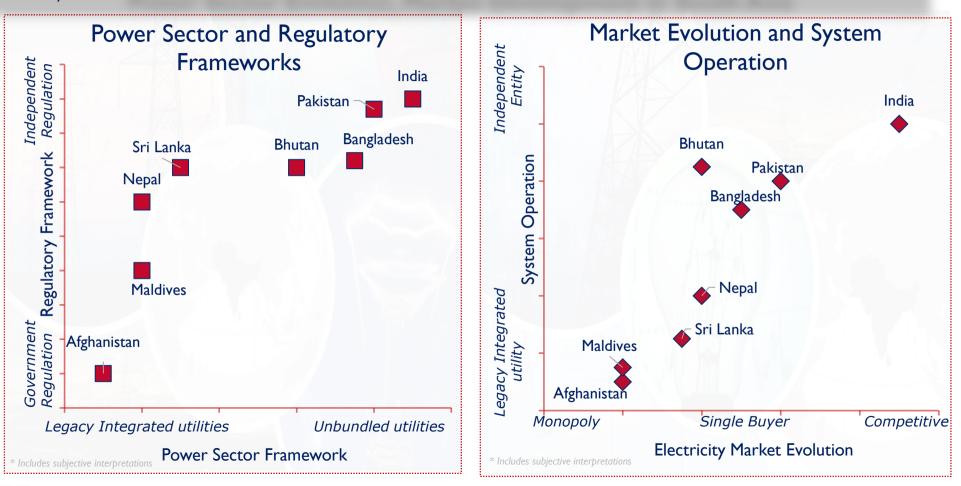
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Regional Electricity Markets with Regional Common Vision Across the Globe

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Power Sector Evolution, Market Development in South Asia



Presentation on TOR on "Learnings from International Experiences on undertaking Electricity Market Reforms and develop Regional Electricity Market Vision for South Asia" by Rajiv Ratna Panda/SAREP-11th Meeting of TF-3 on "South Asia Regional Electricity Market", Maitdand State Room, 9th-10th October 2023, Mount Lavinia Hotel, Sri Lanka



Objective of the Knowledge Study

Objective

To carry out a Knowledge Study on Learnings from International Experiences on undertaking electricity market reforms, its role in electricity market integration, development of regional electricity markets, and develop

a Regional Electricity Market Vision for South Asia

Terms of Reference of the Knowledge Study

Carry out a comprehensive review, analysis of international best practices of undertaking Electricity Market Reforms (EMR) vis-à-vis its benefits in countries in Europe, North America, Africa, ASEAN, North Asia and Australia etc.





Development of Electricity Market & REMs are evolutionally in nature, and strongly influenced by overall prevailing policy, regulatory practices of a country and of the region. Therefore, analysis should specifically capture and answer the following :



3.1.Key drivers and enabling factors towards introducing Electricity Market Reform and developing REM.
3.2.Analytical details of Strategic, Legal, Policy, Regulatory, Institutional framework & instruments put in place for smooth transition to market and account of how consensus were built amongst different parties and how issues were reconciled.
3.3. Barriers, key challenges, and issues faced in implementation, and how these challenges and barriers were mitigated.



3.4. A thorough analysis of electricity market design covering aspects such as scheduling & dispatch, handling congestion. Imbalance Settlement, ancillary service, price discovery mechanism, product offerings, and associated institutional set up of trading platform.
3.5. Impact/benefits (qualitative and quantitative assessment) of the market development.



04 Learnings from International Experiences on undertaking Electricity Market Reforms and develop Regional Electricity Market Vision for South Asia

Timeline of the Knowledge Study

Tentative Timeline : Seven Month

04

SL NO	Deliverable	TIMELINE
T	Consultant On board	т
2	Inception Report	T+I
3	Draft Report covering the analysis of international best practices, South Asian scenario and Regional Electricity Market Vision along with Roadmap and Action Plan for South Asia	T+4
4	Present the Draft Report covering the analysis of international best practices, South Asian scenario and Regional Electricity Market Vision along with Roadmap and Action Plan for South Asia in 12 th TF-3 Meeting	T+5
6	Final Report covering the analysis of international best practices, South Asian scenario and Regional Electricity Market Vision along with Roadmap and Action Plan for South Asia and Dissemination Workshop	T+7

10/26/2023 Presentation on TOR on "Learnings from International Experiences on undertaking Electricity Market Reforms and develop Regional Electricity Market Vision for South Asia" by Rajiv Ratna Panda/SAREP-11th Meeting of TF-3 on "South Asia Regional Electricity Market", Maithand State Room, 9th-10th October 2023, Mount Lavinia Hotel, Sri Lanka

Thank You



Contact: rpanda@sarep-southasia.org rajivratnapanda@gmail.com +91-9650598697

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