

SAARC Knowledge Sharing Workshop on “Modern Techniques including RE Auctions for Economizing RE Tariff”

Colombo, Sri Lanka - May 9, 2018



Presentation on SAARC Energy Centre

Ahsan Javed
Research Fellow (RE)



Presentation Outline



1. Brief Introduction to SEC
2. SEC Programme Activities in FY 2018
 - a) Research Studies
 - b) Knowledge sharing
 - c) Pilot projects/Events
3. Previous Programme Activities on Renewables
4. Theme of the Workshop

SAARC Energy Centre



Brief Introduction to SEC

SAARC Energy Centre

Establishment

- Year 2006 at Islamabad, became functional in 2008

Overall Objective

- Initiate, promote and facilitate cooperation in energy sector of the SAARC Member States for benefit of all

Funding

- SAARC Member States; supervised by a Governing Board comprising all the Member States

Technical Resources

- Professional staff selected from the SAARC Member States
- Expert services through outsourcing

Networking

- ADB, WB, UNESCAP, ASEAN, Germany, Japan, US

SEC Mandate



- Initiate, coordinate and facilitate regional, joint and collective activities on energy in the SAARC region
- Provide technical inputs for the SAARC working group on energy, energy ministers' forum and other SAARC meetings on energy
- Help in the integration of regional energy strategies by providing relevant information and expertise
- Be a catalyst for the economic growth and development of the South Asia region

SEC Program Directions



Summit



Energy Ministers' Forum



Standing Committee through Programming Committee



Working Group on Energy / Four Expert Groups

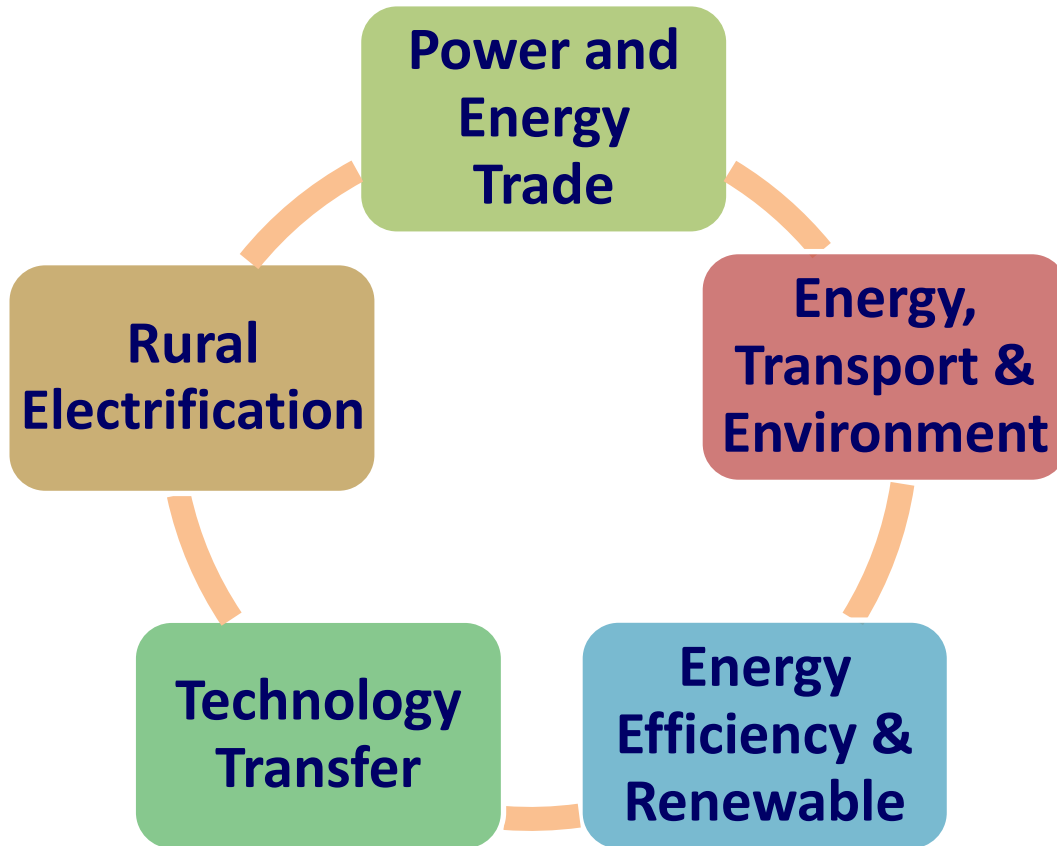


Governing Board



Five Year-Strategic Plan

Spectrum of SEC Programme Activities



Range of Activities

- Research Studies
- Knowledge sharing
 - Training Workshops
 - Dissemination Seminars
 - Webinars
- Pilot / Special Projects

SAARC Energy Centre



Programme Activities in FY 2018

Research Studies



1. Mobilizing International and Regional Finances / Funding for Implementation of RE Projects in SAARC Member States
2. Roadmap for Implementation of Smart Grid: Concepts, Practices and Technologies in SAARC Region
3. SAARC Energy Outlook 2030
4. Infrastructure and Enabling Environment for Road Electric Transport in SAARC Member States
5. Promotion of Trans-Border Business of Crude Oil and Petroleum Products in SAARC Region

Knowledge sharing



1. Workshop on "Growth of Indian Power Infrastructure and Lessons Learnt". (2 days, Pakistan)
2. Workshop on Training on Load/Power Flow Studies using PSS/E for efficient National and Cross Border Interconnected Power Systems in South Asia (3 days, Bhutan)
3. Dissemination Webinar on Study “Review of existing Feasibility Study of Karnali Chissapani Hydro Power Project (10,800 MW) for defining the way forward to Materialize its Development as a Regional Hydro Project”
4. Dissemination Webinar on “Study for Deployment of Electric Road Transportation in South Asia”

Knowledge sharing



5. Interaction with MNRE for Developing Guidelines for seeking Private Sector Investment in Commercial Scale Biogas Projects in SAARC Member States (3 day, India)
6. Training on Energy Statistics and Publishing of National Energy Data (Afghanistan, Bhutan, Maldives and Nepal; 2 days each country)

Pilot Projects/Events



1. Study on "Development of SEC 5-Year Strategic Plan 2018-2022".
2. Development of SAARC Energy Databook (2006-2016)
3. SAARC Solar PV Demonstration Project: Tapping the Indigenous Generation Resources (Afghanistan & Bangladesh)
4. Celebration of World Environment Day (1 day, Pakistan)
5. Promotion of Energy Conservation in SAARC Region on World Energy Day (1 day, Nepal)

SAARC Energy Centre



Previous Programme Activities on RE

Previous Programme Activities on RE



1. Study to Investigate the Difficulties for Off-grid Solar Systems in SAARC Region
2. Study: Assessment of RE Development in South Asia; Achievements and the Way Forward
3. Comparative Study for the Prevailing Tariff of RE in Member States and, Assessing Distribution generation
4. Case Study on Indian Wind Power Program for Technology Transfer and Sharing Best Practices
5. Study on Critical factors in determining the success of RE projects in South Asia

Previous Programme Activities on RE



6. Video Conference on Study for the Prevailing Tariff of RE in Member States and, Assessing Distribution generation
7. Dissemination Webinar on "Study to Investigate the Difficulties for Off-grid Solar Systems in SAARC Region"
8. Workshop "Application of on-grid Biogas Technologies"
9. SAARC Seminar on Solar Energy
10. Training Workshop on Bio-fuels (bio-diesel and Ethanol)
11. Workshop on RE Policy, Regulation and Grid Connectivity

SAARC Energy Centre



Theme of the Workshop

Theme of the Workshop

- Selecting right policy mechanism of RE
 - FiTs, REC, RPO, Resource risk, Reverse Auctions etc
 - Level of existing RE deployment
 - Maturity of Power sector
- Exploring latest developments/applications of mechanisms
- Different design and planning types of Auctions
- Best practices and Successful examples
- Outcomes of effecting policy intervention
 - Increased deployment of RE
 - Achieving transparency & Robust competition
 - Potential for real price discovery
 - Latest On-shore Wind 3.5-5.5 cents/kWh
 - Latest Solar PV 3-6 cents/kWh

Thanks For Your Kind Attention

