

SAARC Energy Centre, Islamabad



SAARC Training Workshop on 'Electric Vehicle and its Charging Infrastructure'

27th-29th August, 2026 : Hybrid Mode | Ramada by Wyndham Hotel, Islamabad, Pakistan

Introduction to SAARC Energy Centre and Overview of Training Workshop

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Outline of Presentation

- Introduction of the Centre
- Activities (Approved and Ongoing)
- Training Workshop on EV and its Infrastructure

Introduction of the Centre

- 1st Meeting of SAARC Energy Ministers (Islamabad, Oct 2005), agreed to establish SAARC Energy Centre in Pakistan
- 13th SAARC Summit (Dhaka, Nov 2005) approved establishment of SAARC Energy Centre to:
 - *Strengthen region's capability in energy issues*
 - *Enhance coordination in energy strategies of Member State*
 - *Facilitate intra-regional trade in energy*
 - *Promote cooperation in energy efficiency and conservation*
 - *Promote development of new and renewable energy resources*
- SAARC Energy Centre was established in March 2006

Objectives and Goals

Objective is to have a regional institution of excellence for the initiation, coordination and facilitation of SAARC Programmes in energy

- i. Initiate, coordinate and facilitate regional and joint activities on energy in the SAARC region*
- ii. Enhance development of SAARC expertise in energy development and management*
- iii. Provide technical inputs for the SAARC working group on energy, energy ministers' forum and other SAARC meetings on energy*
- iv. Promote private sector investment and participation in energy activities of the region*
- v. Be a catalyst for the economic growth and development of the South Asia region*

Spectrum of Activities

Power and Energy Trade

Energy, Transport &
Environment

Energy Efficiency & Renewable

Technology Transfer

Rural Electrification

Range of Activities:

1. Research Studies
2. Knowledge Sharing Webinars
3. Training Workshops
4. Pilot / Special Projects

Categorization of Activities

Category of Activities	Total
Research Studies	8
Knowledge Sharing Webinars	14
Training Workshops	9
Special Projects	1
Total	32

Research Studies

- Analyze challenges and opportunities, and assess the techno-economic feasibility
- Contents and style is to guide the stakeholders (policy makers, professionals)
- In-depth, factual and concise research is preferred over generic appraisal
- Actionable Recommendations and a strategic way forward for the countries
- Ongoing Research Studies being undertaken include:
 - Study on 'Scope of Rooftop Solar in Rural Government Educational Institutions in Bangladesh'
 - Study on 'Integration of Renewable Energy Sources and Electric Vehicles into Electric Power System'
 - Study on 'Acquiring Green and Sustainable Financing for Energy projects'

Information and contents on Research Studies is available at
<https://www.saarcenergy.org/programmes-2026/>

Webinar Series 2026

- Series of Webinars on emerging and critical topics in the Energy sector
- Key issues and Specific challenges faced by the Energy sector of SAARC
- Provide insights into best practices and innovative solutions being adopted by the countries within and outside the SAARC region
- Completed Webinars include:
 - Empowering Women in Energy Sector through development of Gender inclusive Energy Policy Guidelines
 - Cyber Security Training and Auditing for Smart Grid
 - Market Strategies under Energy as a Service (EaaS)
 - Solar Net-metering: Challenges and Way Forward
 - Optimal Sizing and Placement of Batteries for Solar Acquisition
 - Scheduling of Wind and Solar power projects
 - Disposal and Recycling Methods for Storage Batteries and Solar Panels

Information and contents on completed and upcoming events is available at
<https://www.saarcenergy.org/webinars2026/>

Training Workshops

- Training Activities are need based; demand driven and relate to significant interests of the SAARC Member States.
- Training Workshops aim to strengthen technical, policy, and institutional capacities of key stakeholders in SAARC Region.
- Training through presentations, group discussions, sharing experiences and responding to question by the participants.
- Upcoming Training Workshops include:
 - SAARC Training Workshop on 'Financial Modelling for Renewable Energy Projects', scheduled on 7-9 October 2026 in Colombo, Sri Lanka
 - SAARC Training workshop on 'Energy Management in Residential and Commercial Buildings', tentatively schedule on 25-27 November 2026 in Male, Maldives
 - SAARC Training Workshop on 'Navigating the Energy Transition and its implication for SAARC region' tentatively schedule on 14-16 December 2026 in Kathmandu, Nepal

Information and contents on Training Workshops is available at
<https://www.saarcenergy.org/programmes-2026/>

EV Workshop Overview

Rationale

Rising energy prices and emissions concerns are driving rapid growth in Electric Vehicles and its charging infrastructure. E-mobility is a core building block of the regional energy transition.

Objective

Provide participants with comprehensive knowledge and practical insights into the planning, design, and implementation of EV and its Charging Infrastructure.

Major Aspects Covered



EV Technology

Motors, power electronics & batteries



Policy & Incentives

Government schemes & regulation



Charging Infrastructure

Standards, siting & grid integration



Market Trends

Regional & global outlook, forecasts



Smart Charging & Grid

Load management, demand response



Environment & Economics

Lifecycle, social & economic impact

Programme at a Glance

DAY 1

Thu, 27 Aug

- Inaugural session with keynote & inaugural addresses
- Member State presentations: policy, regulation & EV status
- EV technology overview & global market trends
- Policy, incentives & regulatory frameworks

DAY 2

Fri, 28 Aug

- EV fundamentals vs. ICE vehicles; technology development
- Battery chemistry, performance, safety & sustainability
- Charging station fundamentals & distribution grid
- Field visit: ezBike EV manufacturing facility, Islamabad

DAY 3

Sat, 29 Aug

- Global standards, testing & business models
- Environmental, economic & workforce impacts
- Panel discussion: accelerating EV adoption in SAARC
- Valedictory session & distribution of certificates

Resource Persons & Logistics



Trainers Engaged from National and International Market

- **Dr. Naveed Arshad** Associate Professor & Director, LUMS Energy Institute, Pakistan
- **Mr. Malik Muhammad Arslan** Energy Specialist, LUMS Energy Institute, Pakistan
- **Dr. Horizon Walker Gitano Briggs** Chief Technical Officer, Focus Applied Technologies, Malaysia
- **Mr. Jack Gregory Crawford** Associate Economic Affairs Officer, Transport Division, UNESCAP, Thailand



Venue

Mashal Hall, Ramada by Wyndham Hotel, Islamabad, Pakistan



Mode

Hybrid (physical & virtual) participation for all sessions



Participants

Delegates nominated by SAARC Member States & regional experts



Contact

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Thank You