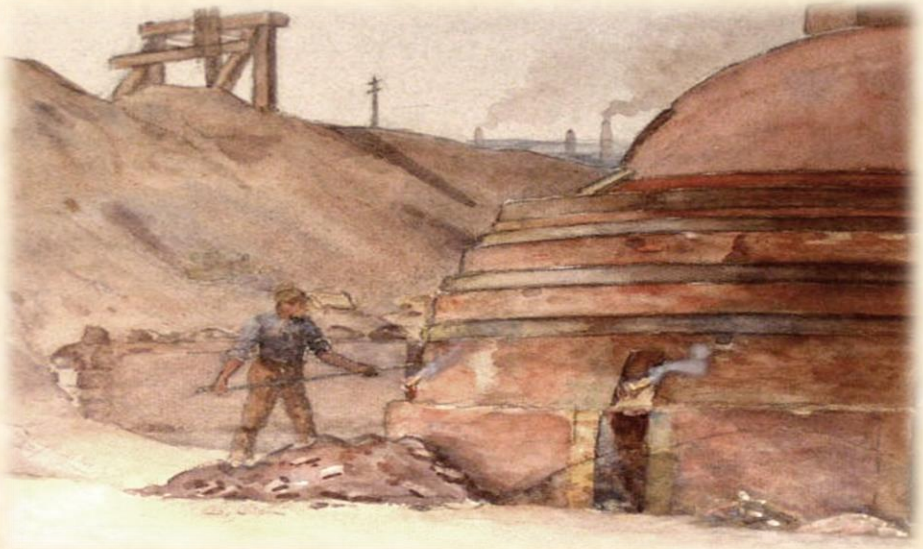
South-South Exchange Workshop on Brick Technology and Policy, 9-10 May 2013



Evaluating Energy Conservation Potential of Brick Production in SAARC Countries

- another Energy Efficiency initiative by SAARC Energy Centre (SEC)

SAARC Energy Centre Islamabad

Salis Usman
Research Fellow (Energy Eefficiency)

Presentation Plan

1. Brief introduction to the SEC
2. Current Projects: Energy Efficiency
3. Rationale for the Study on Energy Efficiency
4. Salient Features of the Study
5. The Way Forward
6. Our Approach to Today's Event

SAARC Energy Centre (SEC)

Establishment	Year 2006 at Islamabad
Objective	Initiate, promote and facilitate cooperation in energy sector of SAARC Member States for benefit of all
Funding by	SAARC Member States; supervised by a Governing Board comprising all Member States
Technical Resources	• Professional staff selected from Member States • Expert services obtained through outsourcing
International Networking	ADB, WB, UN, ESCAP, ASEAN, Japan, US and Germany

SAARC Institutional Mechanism

1. SAARC Summit of heads of State and Government
2. Ministerial Level Energy Forum
3. Inter-Governmental Working Group on Energy
4. Expert Groups for different energy commodities
5. SAARC Energy Centre

SEC Focus

SAARC Energy Centre is mitigating energy poverty through fostering energy cooperation within and across South Asia for a better tomorrow

Current Projects: Energy Efficiency

1. SAARC Action Plan on Energy Conservation and Efficiency
2. Gender-Energy Nexus
3. Improved Cooking Stoves: *"SAARC Chullah"*
4. Capacity Building of Energy Auditors/Managers
5. **Evaluating Energy Conservation Potential of Brick Production in the Selected Member States**

Rationale for the SEC Study

Evaluating Energy Conservation Potential of Brick Production

1. Brick industry in region is the third largest consumer of coal after electric power plants and steel industry.
2. Technology advancement in the brick industry varies in the region; India being the leader.
3. Brick kiln owners not willing to invest in new technologies.
4. SEC envisions that fuel efficiency is invaluable for:
   - Getting the most from the precious energy consumed
   - Minimizing the black Carbon and CO_2 emissions
   - Reduction in the production cost and hence making this business more attractive and profitable

Salient Features of the Study

SEC Thematic Program Area	Integrated Assessment of Energy, Transport and Environment
Participatory Approach	Experts from **Bangladesh**, **India**, **Nepal** and **Pakistan** have carried out the study.
Aim	Assist in developing and expanding energy efficient market by implementing study recommendations.
Objectives	Explore, document and share thorough information on brick industry, policy interventions and energy efficient techniques best suited for the region.
Outcome	A comprehensive report providing country-wise plan for each participating member to intervene energy efficiency in brick kiln industry

The Way Forward

Evaluating Energy Conservation Potential of Brick Production

1. Share study outcome with member states and finalize next steps in a dissemination workshop to be held in Nepal.

   Purpose of this workshop is to initiate regional cooperation in **transferring technologies**, **sharing expertise** and **knowledge** between public and private institutions improving **production capacity** and bringing **energy efficiency** in brick sector.

2. Publish and disseminate study findings in Member States.

3. Undertake and support activities in accordance with the study recommendations.

SEC's Approach to Today's Event

1. SEC enthusiastically supports this initiative by the Brick Initiative of Climate and Clean Air Coalition (BI/CCAC), National Institute of Ecology of Government of Mexico, and the International Centre for Integrated Mountain Development (ICIMOD).
2. SEC considers this event as a complement to its Energy Efficiency Program.
3. SEC reiterates to continue its proactive role for achieving the optimum energy efficiency in the brick industry with in the SAARC region.

For Your Attention

SAARC
Energy Centre
Islamabad

SEC's Current Projects: Energy Trade

1. Study on Energy Trade and Power Exchange
2. Study on Harmonization of Electricity Laws
3. Study on Energy Pricing Mechanism

SEC's Current Projects: Best Practices

1. Lessons learnt in Renewable Energy Technologies
2. Experience Sharing of Construction, Operation and Maintenance of LNG Facilities
3. Power Generation from Lignite

SEC's Current Projects: Power

1. Feasibility Study and Workshop for Regional Coal Based Power Plant
2. Study on Cogeneration in Sugar and Paper Industries
3. Study on Rural Electrification Policies

SEC's Current Projects: Energy Resources

1. SAARC Energy Data Bank
2. Geothermal energy potential of South Asia
3. Promoting extraction of non-conventional gas

SEC's Activities on Energy Integration

1. Study on "**Developing Integrated Energy Policies in South Asia**", *March 2008*
2. Study on "**Regional Hydropower Plants-Opportunities in Bhutan and Nepal**", *August 2010*
3. Study on "**Regional Electricity Trade Legal Frameworks**", *September 2010*
4. Study on "**Review of Electricity Laws and Regulation of the SAARC Member States**", *April 2012*
5. Capacity Building Workshop on "**Cross Border Electricity Interconnection**" in Bhutan, *May 2012*