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South Asia Lighting Transformation Forum

**January 17-19, 2011
Male', Maldives**

Jointly organized by:

RCL Regional Centre
for Lighting

Lighting
South Asia
Cleanly and
Efficiently





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Monday, January 17, 2011

South Asia Lighting Transformation Forum

Venue: Traders Hotel (Shangri-La), Male'

Opening Ceremony

- | | |
|---------------|---|
| 10:00 - 11:00 | Registration and tea/coffee |
| 11:00 - 11:05 | Welcoming address
Hon. Mohamed Aslam, Minister of Housing and Environment, Maldives |
| 11:05 - 11:15 | Opening remarks
S. Padmanaban, Director, SARI/Energy Program, USAID, India |
| 11:15 - 11:25 | Government of Sri Lanka address
M. M. C. Ferdinando, Secretary, Ministry of Power and Energy, Sri Lanka |
| 11:25 - 11:40 | Government of the Maldives address
His Excellency Mohamed Nasheed, President of Maldives |
| 11:40 - 11:55 | Concluding remarks
Her Excellency Ms. Patricia A. Butenis, U.S. Ambassador to Sri Lanka and Maldives |
| 11:55 - 12:00 | Group Picture |
| 12:00 - 13:30 | Networking lunch, Traders Hotel (Shangri-La), Male' |
| 13:30 - 20:00 | ----- Break ----- |
| 20:00 - 22:00 | Networking dinner, Traders Hotel (Shangri-La), Male'
Welcoming remarks by S. Padmanaban, Director, SARI/Energy Program, USAID, India |



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Tuesday, January 18, 2011

South Asia Lighting Transformation Forum

Venue: Traders Hotel (Shangri-La), Male'

07:30 - 08:00 **Registration and tea/coffee**

08:00 - 08:15 **Opening and welcome**
S. Padmanaban, Director, SARI/Energy Program, USAID, India

Session I: Needs and opportunities for the South Asian lighting market

Moderator: Prof. Rahula Attalage, University of Moratuwa, Sri Lanka

08:20 - 08:40 **Growing lighting opportunities in South Asia: a market focus**
M. M. C. Ferdinando, Secretary, Ministry of Power and Energy, Sri Lanka

08:40 - 09:00 **Regional energy-efficiency needs in lighting**
Kapil Mohan, Deputy Director General, Bureau of Energy Efficiency, Government of India

09:00 - 09:20 **Regional Center for Lighting**
Upali Daranagama, Additional Secretary, Ministry of Power & Energy, Sri Lanka

09:20 - 09:45 **Break**

Session II: Shaping the South Asian lighting market with energy-efficient LEDs

Moderator: Daniel Frering, LRC Manager of Education and Adjunct Assistant Professor

09:45 -10:00 **Special Address from the Lighting Research Center (LRC)**
Dr. Nadarajah Narendran, Director of Research and Associate Professor, LRC

10:00 - 10:15 **How can leading LED manufacturers help transform South Asian lighting markets?**
Greg Merritt, Vice President, Corporate Marketing, Cree, Inc., USA

10:15 - 10:30 **How can leading LED manufacturers help transform South Asian lighting markets?**
Dr. Makarand H. Chipalkatti, Senior Director, SSL & Emerging Market Initiatives OSRAM Sylvania, Inc., USA

10:30 – 10:45 **How can leading LED manufacturers help transform South Asian lighting markets?**
K. V. Harinarayanan, Director, Products, GE Lighting, India

10:45 - 11:00 **How can leading LED manufacturers help transform South Asian lighting markets?**
Indranil Goswami, General Manager & Head, Lighting Application Services, Philips Lighting, India

11:00 - 11:15 **Q&A**



Session III: Lighting transformation challenges

Moderator: Prof. Russ Leslie, LRC Associate Director

- 11:15 - 11:35 **China SSL program**
Fu Yuan, CSA Consulting Department Manager, China Solid State Lighting Alliance
- 11:35 - 11:55 **Making LED lighting affordable in South Asia through regional manufacturing**
Rohan Masakorala, Secretary General, Joint Apparel Association Forum of Sri Lanka
- 11:55 - 12:15 **Regional standards: making lighting affordable and protecting customers**
Peter Banwell, Director, Product Marketing, U.S. EPA Energy Star Program, USA
- 12:15 - 12:30 **Special Ceremony**
- 12:30 - 12:40 **Q&A**
- 12:40 - 14:00 **Lunch**

Session IV: Financing lighting market transformation

Moderator: John Bruce Wells, Tetra Tech

- 14:00 - 14:15 **Leveraging the experience of the *Lighting Africa* initiative,**
Dr. Anil Cabraal, Consultant, IFC Lighting Africa, Sri Lanka
- 14:15 - 14:30 **How can financial institutions help transform South Asian lighting markets?**
Dr. Priyantha Wijayatunga, Senior Energy Specialist, Asian Development Bank
- 14:30 - 14:45 **LEDs and off-grid clean energy access**
Akanksha Chaurey, Director, Lighting a Billion Lives Campaign, TERI, India
- 14:45 - 15:00 **A foundation's perspective on transforming South Asian lighting markets**
Pradeep Nair, Director, William J. Clinton Foundation, India
- 15:00 - 15:15 **Benefits and challenges of models for encouraging small scale lighting enterprises**
Dr. C.V. Rao, Coordinator, Energy Conservation Mission, Hyderabad, India
- 15:15 - 15:30 **Q&A**
- 15:30 - 15:50 **Break**

Closing remarks (summarize the entire day and set the stage for the next day)

15:50 - 16:10 **Professor Russ Leslie, LRC Associate Director**

Group sign-up for next day breakout sessions.

- 17:00 - 22:00 Evening social event and dinner**
- 5:00 pm *Boat ride to off-site facility for lighting tour and dinner*
 - 7:00 pm *Dinner*
 - 10:00 pm *Return to Traders Hotel (Shangri-La), Male'*



Wednesday, January 19, 2011

South Asia Lighting Transformation Forum

Venue: Traders Hotel (Shangri-La), Male'

Session IV: Financing lighting market transformation, *continued*

Moderator: John Bruce Wells, Tetra Tech

08:00 - 08:15 How can financial institutions help transform South Asian lighting markets?
Gevorg Sargsyan, Program Coordinator, Climate Investment Funds, The World Bank

Forming South Asia's lighting transformation roadmap: A focus on *energy, environment and economy*

08:15 - 08:30 **Introduction and explanation of breakout sessions**
Speaker/Moderator: Prof. Russ Leslie, LRC Associate Director

08:30 - 11:15 **Breakout sessions**
The objective of this event is to develop a 5-year roadmap for transforming South Asia lighting. In order to do so, there are a variety of issues that must be discussed and prioritized. The three main categories identified for group discussion are listed below. The three main categories identified for group discussion are listed below.

- **Creating value** - In this session, the group is asked to identify the value propositions for lighting transformation including energy savings; economic growth; safety and security benefits; reduced maintenance, waste/disposal, and hazards; and improved education of future generations.
- **Barriers** - In this session, the group is asked to identify potential risk items that could setback transformation activities. Potential risk items include the availability of suitable equipment, components, and materials; issues with policy, cost and finance; established infrastructures for distribution, manufacturing, and training; planning for market spoilage; and a variety of other issues such as culture, health and availability of local talent.
- **Supply** - In this session, the group is asked to identify the needs and strategies necessary to make equipment and component supplies available, to make education and training available and accessible, and to develop channels for local personnel resources, entrepreneurs and businesses.

11:15 - 12:30 **Share group recommendations**
Moderator: Russ Leslie, LRC

12:30 - 14:00 **Lunch**

14:00 - 14:45 **Recap of results from breakout discussion: Foundation for the roadmap**
Speaker/Moderator: Daniel Frering, LRC Manager of Education and Adjunct Assistant Professor

14:45 - 15:30 **Coming together as a region**
S. Padmanaban, Director, SARI/Energy Program, USAID, India

16:00 **Closing of event**