

International ESCO Conference in Asia

Asia **ESCO** Conference 2010

14-15 January 2010, New Delhi, India

The New Energy and Industrial Technology Development Organisation (NEDO) and Bureau of Energy Efficiency (BEE) are delighted to invite you to participate in Asia ESCO Conference 2010, that will be held on 14-15 January, 2010 in New Delhi, India

Conference Topics

- ESCO Strategy & Policy Program, International
- Activities of ESCO Market in Asia
- Activities of ESCO Market in Western Countries
- State of Art on Energy Efficiency
- Financial Institution and Other Stakeholders
- Measurement & Verification(M&V)
- Activities & Role of ESCO Association
- Case Study on successful ESCO Experience

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Ministry of Economy,
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सत्यमेव जयते
Ministry of Power
(MOP), Govt. of India,
New Delhi



Japan Association of Energy
Service Companies

Introduction

Introduction

ESCO industry has drawn the attention as a new business model to promote energy efficiency in the world. The activities of ESCOs have been intensified among Asian countries, such as Japan, India, China, Thailand, Korea, Malaysia, Philippines, Taiwan, Hong Kong Vietnam and Mongolia. Since the current activity status in each country is spectrum, Asia ESCO Conference 2010 would give the participants opportunities of sharing information and discussion on ESCO activities in other countries, and should contribute to the future diffusion and expansion of ESCO industries in Asia.

I am looking forward to welcoming you in New Delhi, INDIA.

Who Should Attend ?

The conference is designed to meet the needs of a range of actors involved in energy efficiency and energy services :

- (1) Potential developers of ESCO and energy - saving projects;
- (2) Bankers and financiers looking for new strategic lending opportunities;
- (3) Industrial and Commercial Facility Owners and Managers interested in cost reduction;
- (4) Utility DSM Managers;
- (5) Government Regulators; and Academics and Consultants interested in ESCOs as a market - based vehicle for widespread implementation of energy - efficiency investment project.

We hope

We are certain that the ESCO industry contributes to the promotion of energy efficiency and conservation throughout the world, that are necessary measures to prevent global warming. The ESCO industry plays an important role in such countermeasures. Through development of the ESCO industry, we would like to continue its contributions to all aspects of global climate change countermeasures, in all settings. We therefore hope all people who wish to develop the ESCO industry and promote energy efficiency will participate in Asia ESCO Conference 2010.

Program Committee

Mr. Shigeo NARUSE

New Energy and Industrial Technology Development Organization (NEDO)

Mr. Yuji KOGA

Hitachi, Ltd.

Mr. Tetsuya MAEKAWA

Tokyo Electric Power Company

Dr. Hidetoshi NAKAGAMI

Japan Association of Energy Service Companies (JAESCO)/Jyukankyo Research Institute

Mr. Sin-ichi SASAYAMA

Tokyo Gas Co., Ltd.

Mr. Fumitaka SUDA

Yamatate Corporation

Mr. Kenzou TSUTSUMI

VEGLIA laboratories

Mr. Takuya YAMAMOTO

Lawyer

Dr. Ajay Mathur

Director General Bureau Of Energy Efficiency

Mr. Saurabh Kumar

Secretary Bureau Of Energy Efficiency

Mr. Sanjay Seth

Energy Economist- Bureau Of Energy Efficiency

Mr. K.K Nair

F & AO - Bureau Of Energy Efficiency

Mr. Samir Pandita

Astt. Energy Economist - Bureau Of Energy Efficiency

Ms. Shabnam Bassi

Project Engineer - Bureau Of Energy Efficiency

Mr. Arthur Freitas

Protocol officer - Bureau Of Energy Efficiency

Conference Overview

January 14, 2010 (Thursday) AM	January 14, 2010 (Thursday) PM	January 15, 2010 (Friday) AM	January 15, 2010 (Friday) PM
Welcome speech Keynote speech Inaugurate address	Session2: ESCO Strategy & Policy Program, International	Session 5: State of Art on Energy Efficiency	Session 8: Measurement & Verification(M&V)
Coffee Break & Poster Session		Coffee Break & Poster Session	Coffee Break
Session1: ESCO Strategy & Policy Program, India	Session3: Activities of ESCO Market in Asia	Session 6: Financial Institution and Other Stakeholders	Session 9: Case Study on successful ESCO Experience
	Coffee Break	Session 7: Activities & Role of ESCO Association	Closing Remarks
Lunch	Session4: Activities of ESCO Market in Western Countries	Lunch	
	Dinner Dinner Speech		Dinner

Detailed Conference Program

January 14, 2010 (Thursday)

9:00-9:30	Reception
9:30-10:10	Opening Ceremony
9:30-9:35	Welcome speech: Fumio Ueda, Executive Director, NEDO
9:35-9:40	Welcome speech: Dr Ajay Mathur, Director General, BEE
9:40-9:50	Keynote speech: Osamu Onodera, Director, METI
9:50-10:00	Keynote speech: Devender Singh, Joint Secretary(EC), MOP
10:00-10:10	Inaugural address: G.B Pradhan, Additional Secretary (IC), MOP

10:10-10:40 Coffee Break & Poster Session

10:40-12:00 Session 1: ESCO strategies and Policy Program, India

Moderator: Jiwesh Nandan, Energy Efficiency Service Limited

Identifying strategies for ESCO based energy efficiency market in India

Amit Khare, Associate ICF International, India

Lessons learnt in Bundled Municipal energy efficiency projects by energy service companies

Sudha Setty, Alliance to Save Energy, India

Accelerating ESCO movement in agriculture sector

Gaurav Bhatiani, USAID, India

ESCO strategies, policy & program

Priyaranjan Sinha, Affiliation: Energo Engineering Projects Limited, India

Detailed Conference Program

12:00-13:00 Lunch

13:00-14:00

Session 2: ESCO strategies and Policy Program, International

Moderator: Hidetoshi Nakagami, Jyukankyo Research Institute

The perform in the storm While riding the wave

Bob Dixon, Siemens Industry, Inc., U.S.A

Scaling-up energy efficiency: The case for a super-ESCO

Dilip R. Limaye, SRC Global Inc, U.S.A

ESCO system in Korea

Su-Young Huh, Korea Energy Management Corporation(KEMCO), Korea

14:00-16:00

Session 3: Activities of ESCO Market in Asia

Moderator: Bob Dixon, Siemens Industry, Inc.

Recent activity of ESCO industry in Japan and Asian countries

Hidetoshi Nakagami, Jyukankyo Research Institute, Japan

ESCO: Making it happen in Private Sector in India

Milind Chittawar, SEE-Tech Solutions Pvt. Ltd., India

Market creation for energy service providers through DSM bidding process

Mahesh Patankar, Independent Energy Efficiency Consultant, India

ESCO accreditation program in India

Sanjay Seth, Energy Economist, BEE, India

Localizing Chinese energy efficiency projects

Stephane Grand, SJ Grand, China

Tristan Edmondson, Mint Research, China

Activities of ESCO market in Taiwan

Bill, Huei-Jiunn Chen, Sound air industry Co., LTD., Taiwan

16:00-16:20 Coffee Break

16:20-18:00

Session 4: Activities of ESCO Market in Western Countries

Moderator: Dilip R. Limaye, SRC Global Inc

Energy performance contracting: Sharing French experience

Robert Angioletti, French Environment and Energy Management Agency, France

European energy efficiency policy and the ESCO market: the case of Sweden

Christian Stenqvist, Lund University, Sweden

ESCO, Investor-Owned Utility and Government relationships in California, U.S.A

Emily Schell, Association of Monterey Bay Area Governments Energy Watch, U.S.A

The sESCO model: Decentralized generation and energy efficiency in EPC contracts

Miguel Matias, Self Energy Group, Portugal

Dinner (hosted by NEDO)

Dinner speech: Karan Grover, Founder, Karan Grover & Associates

Detailed Conference Program

January 15, 2010 (Friday)

8:30-9:00 Reception

9:00-10:20

Session 5: State of Art on Energy Efficiency
Moderator: Saurabh Kumar, Secretary, BEE

Natural Gas based trigeneration: An energy efficiency option for buildings

G C Datta Roy, DSCL Energy Services Company Ltd., India

The management mechanism for energy efficiency of chiller units in Taiwan

Bing-Chwen Yang, ITRI, Taiwan

High efficiency building air conditioning system

Koji Kanaoka, Daikin Industries, Ltd, Japan

**The Shaw-Method-of-Air-Conditioning (SMAC), The high efficiency HVAC "Process",
The technology presentation and success in ESCO cases that achieved from 25% to
60% energy savings**

Peerasut Thirakomen, Goldmark Technical Supply Co., Ltd., Thailand

10:20-10:40 Coffee Break

10:40-12:20

Session 6: Financial Institution and Other Stakeholder
Moderator: Takuya Yamamoto, Lawyer

JBIC finance for energy efficiency investment

Takashi Hongo, Japan Bank for International Cooperation (JBIC), Japan

Inovative financing mechanism for implementation of energy efficiency projects.

Saurabh Kumar, Secretary, BEE, India

JICA's approach for energy efficiency finance in India

Keiji KATAL, Japan International Cooperation Agency (JICA) India Office, Japan

Energy efficiency financing by banks and financial institutions:

A review of experience of 3CEE project

Sonalal Datta, Consultant to World Bank, India

Financing of energy efficiency projects

Dominic Yin, EESCO P2E2 Hong Kong Limited, Hong Kong

12:20-13:00

Session 7: Activities and Role of ESCO Association
Moderator: Chiharu Murakoshi, Jyukankyo Research Institute

Korean Association for ESCOs

Geunhwan Goh, Korean Association of ESCOs, Korea

The launch and progress of alliance for an energy efficient economy

Reshmi Vasudevan, Alliance for an Energy Efficient Economy, India

13:00-13:50 Lunch

13:50-15:50

Session 8: Measurement and Verification (M&V)
Moderator: Devender Singh, Joint Secretary(EC), MOP

How to use M&V for further energy saving

Takamitsu Shibata, Nippon Totor Co., Ltd., Japan

Detailed Conference Program

Solving the EPC-Baseline Problem? The new integral energy contracting model. Design and first success stories

Jan W. Bleyl-Androschin, IEA dsm Task XVI, Austria

Significance of M & V protocol

Shaikh Shamser Ali, BEE Certified Energy Auditor & Energy Manager, India

Recipe for developing a winning M&V formula in Indian ESCO projects: Balancing rigor and accuracy with cost-effectiveness and practicality

Satish Kumar, USAID ECO-III Project, India

Baseline establishment and development of measurement and verification plan: Challenges

M G Dave, DSCL Energy Services Company Ltd., India

Dispute mitigation: Standardization of M&V protocol in ESCO agreement

Shubhashis Dey, Sodexo FMS India Private Limited, India

15:50-16:10 Coffee Break

16:10-17:50

Session 9: Case studies on successful ESCO projects

Moderator: Shashi Shekhar, PTC India Limited

Case study of ESCO for general hospital

Shinsuke Okochi, Yamatake Corporation, Japan

Upgrading Delhi's buildings using Australia's ESCO experience

Stuart Macfarlane, Energy Conservation Systems, Australia

Energy efficiency Vadodara Municipal Corporation

Subodh Shah, Vadodara Municipal Corporation, India

ESCO strategies, policy and program

Ashok Sethi, The Tata Power Company Limited, India

Case study of energy saving performance contract

Sri Chari Affiliation, Online Energy Manager Private Limited, India

17:50-18:00 Closing Remarks

**Closing Remark: Takeshi Yoshida, Chief Representative, NEDO Representative
Office in New Delhi**

Closing Remark: Dr. Ajay Mathur, Director General, BEE

Dinner (Hosted by BEE)

Poster Session

Energy efficient street lighting installed in the street lights of Municipal corporation of Panchkula & HUDA on ESCO mode

Akash Jain, ESCO Empanelled with Bureau of Energy Efficiency, India

Case study on successful ESCO projects: Street lights in Madurai north zone

Asokan.S, Registered with BEE as ESCO Company, India

Demonstration of an ESCO approach for “Energy efficiency and savings potential in street lights

Uma Rajarathnam,; Enzen Global Solutions Pvt. Ltd., India

The use of an energy management system for effective improvement of the energy performance of an organization

Ramesh Ramachandran, DNV Climate Change Services, India

Review of EE policy in India and enabling institutional framework industry perspective & lessons learned over the last decade

Koshy Cherail President, Alliance for an Energy Efficient Economy, India

Role of M&V & financing protocol in a growing ESCO market in India

Koshy Cherail, Alliance for an Energy Efficient Economy, India

A study on the utilization of the exhaust gas of the engine as a heat source

Indraj Singh, SLIET, India

State of the art on energy efficiency

K Rajaram, CMC Ltd., India

Measurement and verification: M&V

K Rajaram, CMC Ltd., India

Energy conservation and audit in paper industry

Indraj Singh, SLIET, India

Energy efficiency in municipal lighting

Subodh Shah, VMC, India

Lighting efficiency assessment in various buildings of a engineering institute

J.S. Aujla, SLIET, India

Prospect of natural gas industry in Iran

Hedayat Omidvar, National Iranian Gas Company, Iran

ESCOs in the Iranian marketplace : Opportunities, challenges and strategies

Ali Kharrazi, Iran Energy Policy Forum, Iran

About The Venue

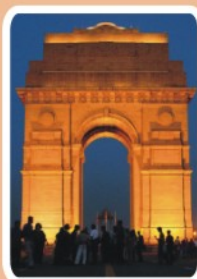
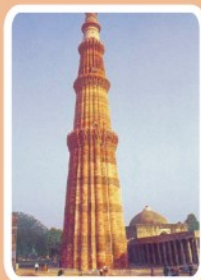
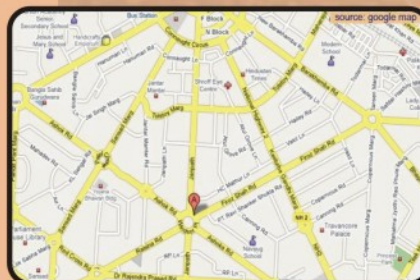
About The Venue

Le Meridien New Delhi is situated two kilometers from Rashtrapati Bhawan - the home of the President of India, the Presidential Palace, Parliament House,.

Windsor Place Janpath, New Delhi, 110 001

Phone : (91) (11) 23710101

<http://www.lemeridien.com>



About The City

New Delhi, the capital and the third largest city of India is a fusion of the ancient and the modern. Standing along the West End of Gangetic Plain, the capital city, Delhi, unwinds a picture rich with culture, architecture and human diversity, deep in history, monuments, museums, galleries, gardens and exotic shows. Comprising of two contrasting yet harmonious parts, the Old Delhi and New Delhi, the city is a travel hub of Northern India. Narrating the city's Mughal past, Old Delhi, takes you through the labyrinthine streets passing through formidable mosques, monuments and forts. You will also discover lively and colorful bazaars that boast to cater all sorts of good and items at mind-blowing prices amidst a barely controlled chaotic ambience. The imperial city of New Delhi displays the finely curved architecture of British Raj.

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For prices and reservation, Please visit our website www.asiaesco.org or www.tecindia.biz and click on Hotel Reservation.

And if you wish to extend your stay outside of these dates, you will need to book a separate reservation on the web site or contact us directly at

You can e-mail at tanejb@gmail.com, conf2010@asiaesco.org

For more information: [http:// www.asiaesco.org](http://www.asiaesco.org)