

# 2ND **POWER** SRI LANKA 2010

Sri Lanka's Premier International Exhibition on Power Generation & Transmission, PV Power, Energy & Renewable Energy

**3 ~ 5 June 2010**

Sri Lanka Exhibition & Convention Centre  
Colombo – Sri Lanka



Also Incorporating :

Endorsed by



Ministry of Power and Energy  
Democratic Socialist Republic of Sri Lanka



Sri Lanka's Int'l Exhibition on Renewable Energy Solutions



Sri Lanka's Int'l Exhibition on Solar Photo Voltaic Power Generation



Sri Lanka's Int'l Exhibition on Electric Power Equipment and Technology

# 2ND POWER SRI LANKA 2010



Event	2nd POWER Sri Lanka 2010
Concurrent Expos	RE POWER Sri Lanka 2010, PV POWER Sri Lanka 2010 & E-POWER Sri Lanka 2010
Detail Generation &	Sri Lanka's Premier International Exhibition on Power Transmission, PV Power, Energy & Renewable Energy
Date	3 - 5 June 2010 (Thurs - Sat)
Location	Colombo, Sri Lanka
Venue	Sri Lanka Exhibition & Convention Centre, Colombo
Opening Hours	10.30 am to 6.30 pm
Frequency	Annual
Open to	Trade & Business Visitors
Organizer	CEMS USA in association with CEMS India
Cooperated by	CEMS Bangladesh, CEMS China, CEMS Lanka, CEMS Pakistan
Expected number of Booths	200
Standard Booth Size	9 sqm

## EXHIBITION HIGHLIGHTS

'2nd POWER Sri Lanka 2010' International Expo, organized by CEMS-Gobal - CEMS USA in association with CEMS INDIA - having a reputation as a Multinational Exhibition organizer and bringing the best Trade Shows on the most important Industry topics for over 18 years now, will be Sri Lanka's premier International exhibition on Power Generation and Energy, which will bring together specialists engaging in the Power Engineering Industry, leading Manufacturers and Distributors / Representatives from all over the world in Sri Lanka.

With the ever-growing power & energy needs of Sri Lanka thus making a need to explore newer opportunities in the Power, Energy, PV (Photo Voltaic) and Renewable Energy sectors of Sri Lanka.

2nd POWER Sri Lanka 2010 will be the perfect B2B platform for the entire Power & Energy Industry of Sri Lanka including Sri Lankan Industry stakeholders who will attend and get the opportunity to see the latest technologies and innovations in the Power Generation and Energy sector thus delivering a great networking opportunity.

2nd POWER Sri Lanka 2010 will provide the Exhibitors a not-to-be-missed opportunity further establish business contacts and get face-to-face and interact directly with the visiting Trade Delegations, Industrialists, Importers, Distributors, Agencies hence a great and only B2B platform of its kind in Sri Lanka and a unique opportunity with a rapidly developing Industry sector where investments are now on a rise with new Industrialization making Sri Lanka a very important Business destination in South Asia.

Exhibiting at 2nd POWER Sri Lanka 2010 will open your doors to the entire Industry of Sri Lanka and is an event you cannot afford to miss.



## CLASSIFICATION OF EXHIBITS

- **Production of Electric and Thermal Energy** : Power Generation Systems; Stand-Alone Sources Of Energy; Boilers; Boiler and Auxiliary Equipment; Steam Turbines, Electric-Power, Combined-Cycle And Gas-Turbine Units; Heat-Exchange Equipment; Electric Generators; Turbo Generators And Hydro Generators
- **Conversion and Storage of Electrical Energy** : Accumulators; Power Transformers
- **Transmission and Distribution of Electrical Energy** : Power Switches; Transformers; High-Voltage Equipment of Distribution and Control; Non-Conductors; Cable-Conductor Products; Package Transformer Substations; Low-Voltage Equipment Of Distribution and Control; Equipment For Power Transmission Lines; Relay Protection Units; Electrical Distribution & Transmission Equipment; Electrical Installation & Electronic Equipment
- **Alternative Sources of Electrical Energy** : Power Generation Equipment/Generators; Gas Power Engineering; Bioenergetics; Wind Power Engineering; Hydrogen Power Engineering; Geothermal Power Engineering; Minor Hydro-Power Engineering; Solar Power Engineering
- **Renewable Energy** : Equipment Manufacturers, Research & Development Companies, Component Equipment Suppliers, Project Developers & Operators, Associations, Consulting Companies
- **Industrial Power Engineering**
- **Power Generation Equipment/Generators**
- **Power Transmission**
- **Technologies of Energy Efficiency And Energy Saving**
- **Automation & Control Equipment**
- **Cables, Cable Trays & Circuit Breakers**
- **Connectors/Connecting Systems**
- **Control Systems**
- **Electrical Distribution & Transmission Equipment**
- **Electrical Installation & Electronic Equipment**
- **Emergency, Industrial Lighting**
- **Energy, Facility Management Systems**
- **Fans, Blowers & Accessories**
- **Fire Prevention Equipment & Systems**
- **Switches/Switchboards/Switchgear**
- **Relays & Converters**
- **Power Supplies/Batteries/UPS**
- **Electro-Technical Equipment** : Electric Motors; Electric Drives; Electrical Control Unit Equipment
- **Fuel Materials**
- **Pumps and Compressors**
- **Lighting Equipment**
- **Pipes and Pipeline Fittings**
- **Industrial Ventilation Systems**
- **Technologies and Systems Of Water Treatment**
- **Measurement, Control And Diagnostic Instrumentation, Diagnostic Equipment**
- **Nature Conservation Technologies**
- **Instruments**
- **Engineering Services**
- **Related Web Portals / Media / Publishing Services**

## EXHIBITION HIGHLIGHTS

Yet another addition to '2nd Power Sri Lanka 2010 International Expo' is the 'RE -Power Sri Lanka 2010' focusing on Renewable Energy and Technology, being held concurrently with the main exhibition from June 3 - 5, 2010 at Sri Lanka International Exhibition & Convention Centre (SLECC), Colombo - Sri Lanka.

Renewable Energy is the need of the moment. RE Power Sri Lanka 2010 will offer Renewable Energy solutions and showcase the latest green energy products, technologies, services, and information related to Energy and the Environment, including everything associated in the new and renewable energy fields.

The aim of this exhibition is to contribute to the promotion of Renewable Energy business, spread information related to Energy and the Environment in Sri Lanka, and encourage the transition to a new sustainable society by creating an opportunity for exhibitors involved in a wide variety of fields to communicate with visitors.

RE Power Sri Lanka 2010 - a B2B exhibition will allow its ever-growing Industry professionals to a one-of-a-kind platform and a perfect networking for industry leaders, investors, specialists, policymakers and researchers to access the most important global manufacturers & suppliers to grow their business and discuss the challenges of rising energy demand and actions for a Green Revolution to achieve a cleaner and more sustainable future for 'US'.

Sri Lanka's energy sources consist primarily of biomass, hydro-electricity and petroleum that contribute to 47%, 8% and 45% of total energy respectively. In the power sector, the installed capacity for electricity generation from hydro, thermal and wind power presently stands at 2,407 MW, compared to 1,409 MW in 1999. 80% of the households are enjoying the grid connected electricity while another 2% of households are provided with basic electricity connection through off-grid systems. The demand for electricity is estimated to rise at an annual pace of 8% - 10%. Per capita consumption of electricity meanwhile reflected 394 kWh / person per annum in 2006.

Major hydropower potential will be fully developed with the commissioning Upper Kothmale Hydropower Project in 2010, totaling an installed capacity of 1,355 MW.

Hence Sri Lanka offers unique opportunities to suppliers of electro technical equipment and services and the perfect timing of 'RE Power Sri Lanka 2010' will provide a one stop B2B Platform for the major elements in the development of the country's electrical sector.



## CLASSIFICATION OF EXHIBITS

### Future Energy :

- **Photo Voltaic** - Advanced Photo Voltaic Solar Power Generation Technology, Advanced products and materials, innovated technologies, Street lights, Solar lighting
- **Solar Thermal Utilization** - Heat and Power integration, products and systems, co-generation
- **Wind Energy** - Wind Power Generation Technology, Advanced wind turbines and wind assessment tools
- **Hydrogen and Fuel Cell** - Present and future Fuel Cell products, applications, FC vehicles, Hydrogen production, storage and conveyance
- **Biomass Utilization & Conversion** - Liquid Fuel, Forest products, Conversion methods for heat and power, bio- fuels, applications
- **Geothermal Energy** - Current and advanced methods, applications and systems
- **Marine Energy** - Tidal Power Generation, Wave-power Generation
- **Small Hydro Power** - Generating system design and production for Local Government, Institution and small businesses
- **Advanced Power System** - Battery energy storage technology, system interconnection technology, electric power supply systems, control technology
- **Heat Utilization & Energy Efficiency**
- **Carbon Management**
- **Waste to Energy technology**
- **Environment Conservation products, measurements, analyses and test equipment**
- **Environmental finance** - related commodity and supporting system



- **Green Buildings:** Low Energy Architecture - Green Construction, Zero energy consumption, energy-efficient housing, design and construction and materials, Green Products, Practices & Technologies, Sustainable Development, Associations & Agencies.
- **Climate Change Sectors:** Environment friendly vehicles (Hybrid, Electric, CNG), Sustainable Transport, Automobile Emission Treatment, Anti-pollution Industry

## EXHIBITION HIGHLIGHTS

2nd POWER Sri Lanka 2010 will also have a defined segment on 'Solar Photo Voltaic Power Generation' in 'PV Power Sri Lanka 2010' to be held concurrently with the main event from June 3 - 5, 2010 at Sri Lanka International Exhibition & Convention Centre (SLECC), Colombo - Sri Lanka.

PV Power Sri Lanka 2010 will showcase World-class Manufacturers / Suppliers from around the world from the Photovoltaic Industry.

Sri Lanka's current economic development policy framework is a consolidation of Pro-poor growth strategies based on private and public sector participation in economic and social development. The policy framework is developed on a market friendly, export oriented and competitiveness basis to sustain eight (8) percent economic growth in the GDP during the medium term. The Millenium Development Goals are also incorporated in the economic development policy framework.

Energy security has become an important factor in achieving the objectives articulated in the economic policy framework. Supply of reliable, affordable and clean energy during the medium term for industries, individuals and other sectors are extremely important in this regard.

Biomass, hydropower, and thermal power (fossil fuels), are the conventional energy sources in supplying energy. The utilization of renewable resources such as solar, wind, dendro, and mini-hydro are relatively small. The transport sector entirely utilizes energy sources such as gasoline and the diesel.

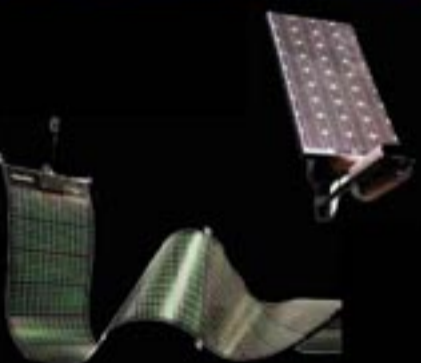
The improvement in efficiency in energy resource is also useful to ease the problem. Several measures such as reducing system losses, use of low energy consuming equipment, saving energy through changing behaviors, etc. have been introduced and used at present.

The solar power is the largest renewable energy source in terms of quantity in Sri Lanka and also useful in providing electrification in rural people in remote areas. The provision of electricity from the national grid is not possible due to capacity limits and cost effectiveness. The utilization of large hydropower projects has been limited due to the carrying capacity limits and absence of hydropower sources. The future hydropower expansion will be therefore mainly composed of introducing mini hydropower schemes.

Hence the 'PV Power Sri Lanka 2010' will be the biggest meeting place ever held in Sri Lanka for Buyers, Professionals and Suppliers of PV Solar Generation Systems & Equipment and will also provide an interactive platform for Exhibitors to generate business through displays / direct interaction and will enhance the synergy effect and attract top level professionals from the Industry thus improving technology, focus and visitors of the expo. policy framework.



## CLASSIFICATION OF EXHIBITS



- ⊕ **Production Equipment:** Solar Ingot/Wafer/Cell/Panel/Thin-Film Panel Production Equipment - Companies that manufacture equipments used to make solar ingots/blocks, wafers, cells or panels (/modules), including:
  - ⊕ **Ingot/Block Production Equipment:** turnkey systems, casting/solidification equipment, crucibles equipment, pullers and other related;
  - ⊕ **Wafer Production Equipment:** turnkey systems, cutting equipment, cleaning equipment, inspecting equipment, and other related;
  - ⊕ **Cell Production Equipment:** turnkey systems, etching equipment, cleaning equipment, diffusion equipment, coating/deposition, screen printers, other furnaces, testers & sorters, and other related; Panel Production Equipment: turnkey systems, testers, glass washing equipment, tabbers/stringers, laminators and other related; Thin-Film Panel Production Equipment: amorphous silicon cells, CIS/CIGS, CdTe and DSSC; Production Technical and Research Equipment.
- ⊕ **Solar Materials:** Silicon Materials, Ingots/Blocks, Wafers, Glass, Film, Others -Companies that supply materials required for the manufacture of solar cells, solar panels (/modules), etc.
- ⊕ **Solar Cells/Panels (PV Modules):** Companies that manufacture solar cells/panels (/modules), including the companies that simply sell or distribute solar cells/panels (/modules) and the companies using OEM/ODM.
- ⊕ **Components:** Batteries, Chargers, Controllers, Converters, Data Logger, Inverters, Monitors, Mounting Systems, Trackers, Others -Companies that supply products (apart from solar panels/modules) required for a functioning grid-connected or off-grid solar power system.
- ⊕ **Solar Products:** Lighting Products, Power Systems, Mobile Chargers, Water Pumps, Solar Houseware, Other Solar Products -Companies that manufacture products that use solar products or panels.
- ⊕ **PV Projects and System Integrators:** PV system integrators, solar power air conditioner system, rural PV power generation system, solar power measurement and control system, solar power warming system projects, PV projects programs control, engineering control and software system. Category Description: Companies that design and sell complete photovoltaic systems in buildings (panels installed on buildings) or in solar power plants, and companies that install panels/modules.

## EXHIBITION HIGHLIGHTS

Yet another addition to '2nd Power Sri Lanka 2010 International Expo' is the 'E-Power Sri Lanka 2010' focusing on Electric Power Equipment and Technology, being held concurrently with the main exhibition from June 3 - 5, 2010 at Sri Lanka International Exhibition & Convention Centre (SLECC), Colombo - Sri Lanka.

Sri Lanka's energy sources consist primarily of biomass, hydro-electricity and petroleum that contribute to 47%, 8% and 45% of total energy respectively. In the power sector, the installed capacity for electricity generation from hydro, thermal and wind power presently stands at 2,407 MW, compared to 1,409 MW in 1999. 80% of the households are enjoying the grid connected electricity while another 2% of households are provided with basic electricity connection through off-grid systems. The demand for electricity is estimated to rise at an annual pace of 8% - 10%. Per capita consumption of electricity meanwhile reflected 394 kWh / person per annum in 2006.

The 10 year horizon development framework of the Government commenced in 2007 emphasizes on sustainable development of energy sources & delivery systems at competitive prices. It targets at increasing fuel diversity and security through investing in both conventional sources and non conventional renewable energy. The grid and off grid energy systems are planned to ensure the access to electricity to 98% of the households by 2016. Together with economic benefits, renewable resources provide the advantage of achieving ecological efficiencies as minimizing pollution and mitigating adverse climatic factors through the provision of clean environment friendly energy.

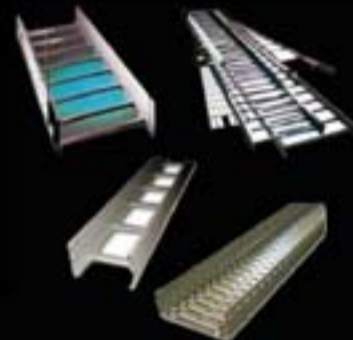
Major hydropower potential will be fully developed with the commissioning Upper Kothmale Hydropower Project in 2010, totaling an installed capacity of 1,355 MW.

Hence Sri Lanka offers unique opportunities to suppliers of electro technical equipment and services and the perfect timing of 'E-Power Sri Lanka 2010' will provide a one stop B2B Platform for the major elements in the development of the country's electrical sector.



## CLASSIFICATION OF EXHIBITS

- ⊗ Architectural, Commercial & Office Lighting
- ⊗ Automation & Control Equipment
- ⊗ Cables, Cable Trays & Circuit Breakers
- ⊗ Connectors/Connecting Systems
- ⊗ Control Systems
- ⊗ Electrical Distribution & Transmission Equipment
- ⊗ Electrical Installation & Electronic Equipment
- ⊗ Emergency, Industrial Lighting
- ⊗ Energy, Facility Management Systems
- ⊗ Switching Equipment & Systems, Control Equipment
- ⊗ Power Circuit breakers
- ⊗ Power switches, Power switching, Load switches and Busbars
- ⊗ Fans, Blowers & Accessories
- ⊗ Fire Prevention Equipment & System
- ⊗ HVAC Equipment & Accessories
- ⊗ Intelligent Building Products & Systems
- ⊗ Power Generation Equipment/Generators
- ⊗ Power Supplies/Batteries/UPS
- ⊗ Cables & Lines



- ⊗ Cable Laying, Storage & Processing equipment
- ⊗ Non-insulated conductors
- ⊗ Pumps & Valves
- ⊗ Relays & Converters
- ⊗ Batteries & Switching Regulator IC's
- ⊗ Electromechanical & Mechanical Components
- ⊗ Specialty Fixtures & Equipment
- ⊗ Switches/Switchboards/Switchgear / Sockets / Plugs / Lamp holders
- ⊗ Fuses, Safety Switches, Earthing materials
- ⊗ Meter Boards, Series installation equipment Distribution systems
- ⊗ Technical Building systems Technology, Management systems, Engineering, Automation
- ⊗ Tanks & Pressure Vessels
- ⊗ Testing & Measurement Equipment
- ⊗ Transformers
- ⊗ Trunking & Trunking Systems Water
- ⊗ Treatment & Conservation Products & Systems
- ⊗ Water Treatment & Conservation Products & Systems

## VISITOR PROFILE

2nd POWER Sri Lanka 2010 International Expo also incorporating Renewable Energy Sri Lanka 2010, Photo Voltaic (PV) POWER Sri Lanka 2010 & E-POWER Sri Lanka 2010 will assemble qualified and senior visitors having the authority to purchase or influence purchase of products and services from the entire Industry of Sri Lanka and will focus on Target visitors consisting of Businessmen, Building Contractors, Engineering Firms, Electrical Contractors, Contractors of Large scale projects, Developers - Properties & Projects, Electrical Installation Firms, Electrical Equipment Importers, Distributors & Manufacturers, Public & Private Power utilities, OEMs, Project Developers, Top Executives, Consultants, Engineers, CEO's & Operation / Production Managers from ALL Industry sectors of Bangladesh, professionals, Agencies, Operation Managers / In-charge, Procurement Managers, Manufacturers, Exporters, Importers & Traders from all sectors of the Industry, Trading Companies, Export Houses, Government Officials & Agencies, Trade Delegations, Associations.

**An event you cannot afford to miss ....**



## CEMS Global Offices

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