

ANNUAL REPORT 2016

CEYLON INSTITUTE OF BUILDERS

4 1/2, BAMBALAPITIYA DRIVE, COLOMBO 4, SRI LANKA

TEL.: +94 11 2508139 | EMAIL: info@ciob.lk

www.ciob.lk

www.greenbuild.lk



Who We Are?

We are Ceylon Institute of Builders (CIOB), a premier association for Building professionals in Sri Lanka. Our institute which was established in 1961 has been contributing actively towards the development of the Sri Lankan construction industry in raising its professional standards. The membership consist of Architects, Engineers, Quantity Surveyors, Valuation Professionals, Builders, other stake holders connected to the Construction Industry and similar allied professionals who work to inspire, encourage, educate and train students, builders, and professionals in the country.

- Our membership opportunities are designed in a manner to ensure an aspirant to progress along a well structured development programme that will take them towards the ultimate goal of corporate membership of the institute.
- CIOB qualifying routes will be tailored for new and young entrants as well as mature professionals with or without a background in construction to achieve professional level career in the country.
- We contribute towards development opportunities and upgrading the construction industry so that it will be in a position to play a key role in the Sri Lankan economy.
- We play a key role to provide feedback to the government on their policies affecting the industry.
- Our Working Committees frequently engage to play the role of a "Think Tank" for the construction industry.
- We work with the Government to provide appropriate solutions to the problems affecting the industry.
- We are at the forefront in spreading the use of Green technologies in the Built environment in Sri Lanka

Our Mission

CIOB's vision is to fulfill the need of a recognized professional institution in the construction industry and the allied fields, helping its members to climb up a structured ladder to reach progressive professional status in the construction industry. Accordingly CIOB has designed a program of theoretical and practical experiences. Ultimately, CIOB will be the most powerful professional organization in the construction industry having a strong network with Engineers, Architects, Surveyors and similar allied professions in Sri Lanka. It will also be dealing with other national and international institutions who have similar types of objectives in the same field.

Who We Are?

OUR STRUCTURE

Governing Council



Seated (L to R):

Mr. I. D. Wijeratne (Asst. Secretary), Mr. Ruwan De Silva (Vice President), Eng. Saliya Kaluarachchi (Hon. Secretary), Dr. Rohan Karunaratne (President), Eng. Jayakish Thudawe (Vice President), Eng. Sagara Gunawardena (Treasurer).

Standing (L to R):

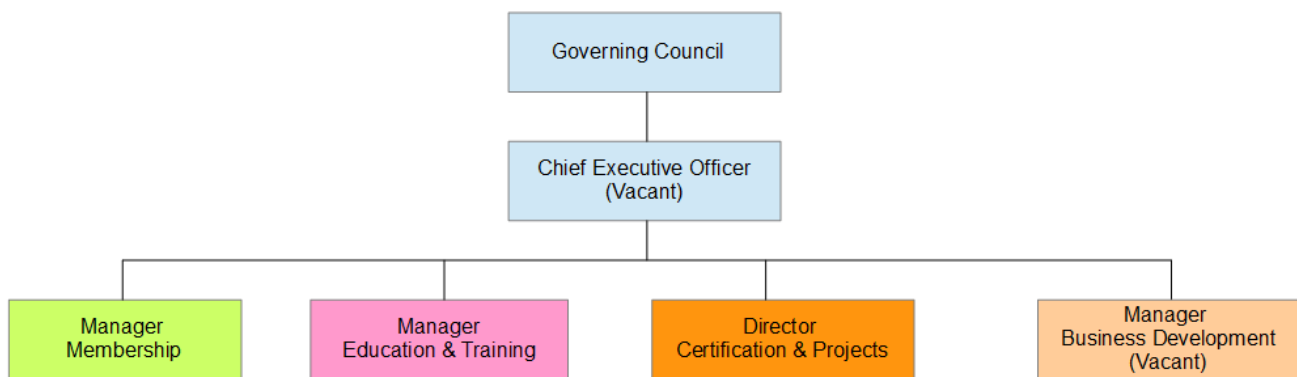
Mr. Ranji Hewage, Eng. Kalana Alwis, Eng. Ashoka Randeni, Dr. Asiri Karunawardena.

Excused:

Eng. Patrick Jayawardena (Chairman Advisory Council), Prof. Chitra Wedikkara (Advisory Council), Mr. Jayantha Dharmadasa (Vice President), Eng. Walter Perera, Dr. Tissa Meepe, Eng. Mega Kularatne, Eng. S. Ruthiralingam, Eng. Janaka Manamperi, Mr. Thilak Kollonne.

WHO WE ARE?

Management Structure



Our Objectives

- Develop and disseminate the Science and Technology of modern Building Practices to assist all Builders by means of seminars and workshops with inputs from specialist national and international resource persons.
- Promote competency and standard of practices for the builders to reach professional status.
- Act to improve conditions affecting the industry with a view to expanding the industry, which will include seeking opportunities for contracts overseas.
- Use our international affiliations to attract investments to the construction industry
- Promote Training and Research for builders by establishing a library and Training and Research Centres.

ADVOCACY & INFLUENCE

As in the past CIOB made several representations on behalf of the membership and the industry to a number of key policy making bodies such as the;

- Ministry of Housing & Construction
- Ministry of Power and Energy
- Board of Investment of Sri Lanka
- Urban Development Authority
- Ministry of Ports, Shipping & Aviation
- Ministry of City Planning & Water supply
- Ministry of Finance & Planning

A wide range of issues has been brought to the attention of the authorities for the short, medium and long term benefit of the industry. CIOB office bearers participated in a number of consultative discussions on the National Budget 2016 and put forward the proposals, suggestions and views of the membership.



GREEN MARK SCHEME

GREEN MARK SCHEME

Our journey to promote sustainable building practices in Sri Lanka started way back in 2014 when we became the first institution to introduce an internationally acclaimed Green Certification scheme in Sri Lanka. Since then we have been at the forefront in promoting sustainable build environment in Sri Lanka. We have partnered with Building Construction Authority (BCA), Singapore to administer their Green Mark certification for Buildings in Sri Lanka.

www.greenbuild.lk



GREEN MARK SCHEME

Green Mark Scheme for Buildings

Green Mark scheme is an internationally recognised green building rating system tailored for the tropical climate. Green Mark sets parameters and establishes indicators to guide the design, construction and operation of buildings towards increased energy effectiveness and enhanced environmental performance.

Green Mark is comprised of a number of distinct rating tools that together holistically rate the built environment for its environmental performance.

CIOB Green Mark provides a platform to recognize and make mainstream the leadership needed to drive creative, organizational & technical improvements to the overall environmental credentials of projects. It aims to further stretch building outcomes to substantially reduce the environmental impacts and increase the life-cycle quality of projects.



*Green Mark is
awarded to*

*New Buildings including Non-Residential,
Residential and Landed Housing*

*Existing Buildings including Non-
Residential, Residential and Schools*

*User Centric including Office Interior,
Retail, Supermarket, Restaurant and Data
Centres*

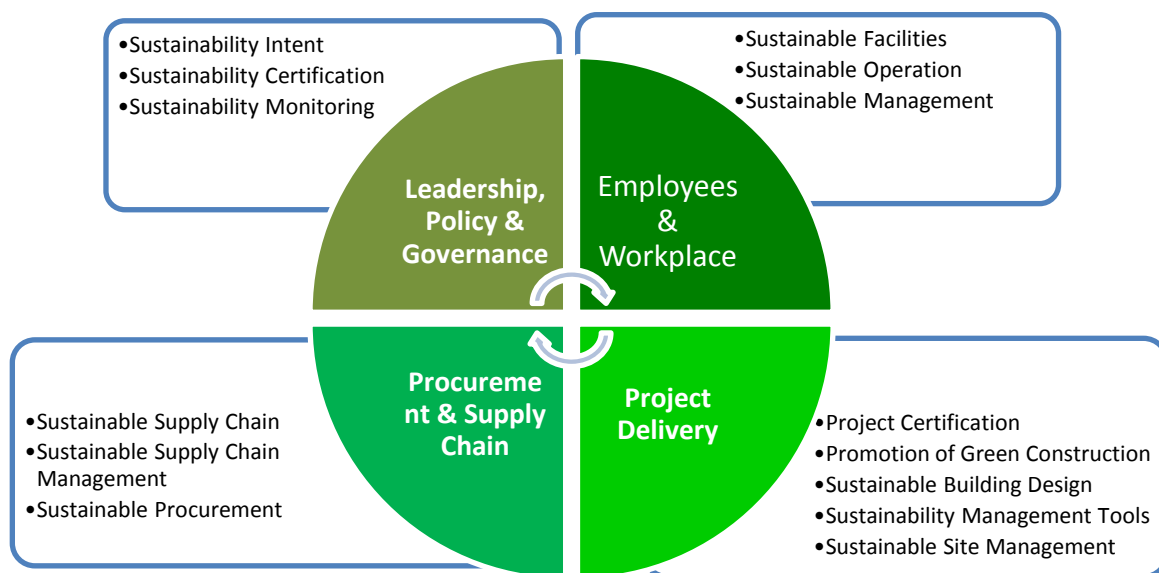
GREEN MARK SCHEME

Green Mark Scheme for Builders

While performing certification of buildings in Sri Lanka, we found out that there exists a requirement for educating and rating constructions to follow sustainability practices in their operations. This has prompted us to develop a framework for assessing building organizations (contractors) for their ability to deliver consistent, high quality sustainability services.



The built environment has profound and lasting impacts on the planet. The buildings and infrastructure created by the industry affect the environment, the economy, public health and society. In order to meet this challenge, the industry needs to move beyond individual success and commit to sustainability at all levels of their organizations from management and operations through project delivery. Green Mark Scheme for Builders help organization to achieve this.



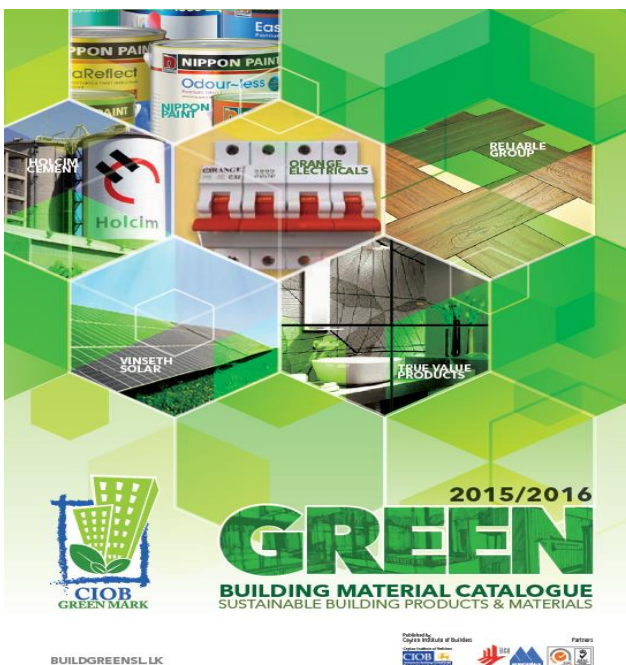
GREEN MARK SCHEME

Green Mark Scheme for Materials & Products

The CIOB Green Building Product (CGBP) certification scheme is a dedicated building product labeling scheme that evaluates building products and equipment for their environmental impact and performance. CGBP provides industry-recognised benchmark for green building products through its integrated and multi-criteria approach.



CIOB Green Building Material Catalogue



We have published a comprehensive Green Building Catalogue with the objective of promoting green building concepts and practices in Sri Lanka. The catalogue is a collection of advertisements on building and construction materials and products which are comparatively high in 'green' features and characteristics. It also contains advertisements on building contractors and other building industry professional services who are adopting green building techniques and methodologies in their projects and works. A glossary of green building words also included in the catalogue gives the catalogue an educational value too.

GREEN MARK SCHEME

CIOB GREEN MARK AWARDS



4 Buildings



8 Builders



21 Materials & Products



GREEN MARK SCHEME



The third **CIOB Green Mark Awards 2016** was held on the evening of 30th July 2016, at the Ramada Hotel, Colombo. Awards and certifications were awarded to organizations, products & buildings that have achieved CIOB Green Certification after a rigorous evaluation process and professionals who have successfully completed the CIOB Advanced certificate course for Green Managers. Hon. Patali Champika Ranawaka, the Minister of Megapolis & Western Development graced the occasion as the Chief Guest.



GREEN MARK SCHEME



GREEN MARK SCHEME

The second Green Building Awards presentation took place on 09th December 2015 at Hotel Galadari, Colombo from 7.00 pm onwards. Hon. Lakshman Yapa Abewardena, State Minister of Finance participated as the Chief Guest of the occasion.



The first CIOB Green Mark Awards Presentation took place on 13th June, 2015 at Hotel Galadari in the midst of a large and distinguished gathering comprised of many industry stakeholders.

TRAINING & DEVELOPMENT

CONTINUING PROFESSIONAL DEVELOPMENT

Training workshop on "GREEN CONTRACTOR CERTIFICATION"

Topics

Environmental Concerns in making green buildings

- Ecological concerns in building design
- Conserving natural environment
- Efficient use of resources

Environmental Concerns in making green buildings

- Ecological concerns in building design
- Conserving natural environment
- Efficient use of resources

Latest Technologies used in making green buildings

- Implementing energy efficiency strategies
- Conserve water in construction and apply sustainable water strategies
- Green Procurement

Aug. 7th, 2015
Hotel Taj Samudra,
Colombo

Course Objective

This workshop aimed at providing the construction industry professionals and contractor community with the essential knowledge and skills to improve and implement concepts and technologies in green buildings. Participants learnt how to develop sustainable built-environments; both on and off the jobsite.

Target Group

Senior and middle managers of construction organizations interested in understanding the concept and technologies in green buildings, requirements of the green certification and document preparation for certification.

TRAINING & DEVELOPMENT

GREEN PROJECT MANAGER (MASTER) "ADVANCED CERTIFICATE COURSE FOR GREEN MANAGERS"

Course Objective

The Advanced Certification Course for Green Managers aims at industry professionals with the advance knowledge and skills to improve and implement concepts and technologies in green buildings. Participants learnt how a building's energy consumption and environmental impacts can be minimized during the building life time, and to design constituent aspects of green buildings.

Batch 1

- Date - 12th - 21st Nov. 2015
- Time - 8.30 am to 5.30 pm
- Venue- Taj Samudra Hotel, Colombo

Batch 2

- Duration – 25th June - 10th of July 2016
- Time – 8.30 am – 5.30 pm
- Venue – Taj Samudra Hotel, Colombo

Entry Requirements

- Applicants should possess building-related degree from recognized university. (Architecture, Engineering, Town Planning, Quantity Surveying, Facilities Management, Environmental Science, etc.)
- Possesses professional /certificate qualification in Green building practices acceptable to the board of Education and Training of BCA Academy (Singapore) and CIOB Academy (SL).
- Minimum 02 years working experience in relevant industry
- However, board of Education and Training of BCA (Singapore) and CIOB (SL) reserve the right
- To select suitable candidates for the course.

TRAINING & DEVELOPMENT

Course Modules

- Building Energy Modeling & Thermal Simulation
- Efficient Building Envelope Design, ETTV & RETV
- Energy Efficient Air-Conditioning Design, operation and maintenance
- Energy Efficiency through Management & Audit
- Solar Modelling
- Sustainable Hot water & Heat recovery Systems
- Sustainable Water Management
- Design and Simulation for Natural Ventilation
- Maximizing Green Design through Building Automation
- Carbon Management for Green Environment
- Sustainable Acoustics
- Ecological concerns in building design
- "Green Mark" Assessment criteria, regulatory framework and scoring (Case Study)

Assessment and Certification

Candidates successfully completed the training course were awarded the "Green Project manager

Master [GPM (Master)]" certificate and title

Course Lecturers

Course lecture panel comprised of well experienced industry professionals and leading academia both from Sri Lanka and BCA (Singapore) including Dr. Lal Jayamaha, Founder & CEO of LJ Energy Pte Ltd., a reputed Energy Consultancy & Auditing firm in Singapore



TRAINING & DEVELOPMENT

GREEN CONTRACTOR CERTIFICATION TRAINING

Course Objective

This workshop aimed at providing the construction industry professionals and contractor community with the essential knowledge and skills to improve and implement concepts and technologies in green buildings. Participants learnt how to develop sustainable built-environments; both on and off the jobsite.

Venue: Taj Samudra Hotel

Target Group

Senior and Middle Managers of construction organizations interested in understanding the concept and technologies in green buildings, requirements of the green certification and document preparation for certification.

Date: August 07, 2015

Topics

Environmental Concerns in making green buildings

- Ecological concerns in building design
- Conserving natural environment Efficient use of resources

Latest Technologies used in making green buildings

- Implementing energy efficiency strategies
- Conserve water in construction and apply sustainable water strategies
- Green Procurement

Constructors role in achieving green projects

- The GM's role in the pre-construction phase of a project
- Integrating green building systems into the construction programme
- Communicating sustainable construction processes to subcontractors and traders
- Construction Activity Pollution Prevention
- Construction Indoor Air Quality
- Construction Waste Manage

WORLD CONSTRUCTION SYMPOSIUM

FIFTH WORLD CONSTRUCTION SYMPOSIUM

The first World Construction Symposium was held in 2012. Since then, World Construction Symposium has become an annual international industry event taking place in Sri Lanka focusing on sustainable construction. The symposium provides a special forum for researchers and practitioners in the area of sustainable construction worldwide to share their knowledge, experience and research findings through a wide range of activities such as Keynote address, Technical Sessions, Investor Forum, Industry presentations and Panel Discussions.

Date: 29th to 31st July 2016 at Galadari Hotel, Colombo

Theme: “**Greening Environment, Eco-Innovations & Entrepreneurship**”

Sub themes

- Green Building
- Sustainable Urbanisation
- Sustainable Construction Practices
- Procuring Sustainable Built Infrastructure
- Cost Management
- Process Improvement
- Building Information Modelling and Information Management
- Innovative Green Technologies
- Sustainable Procurement Strategies
- Public private partnerships (PPPs)
- Green Innovation
- PPPs for a Sustainable Built Environment
- Environment Economics and Management
- Affordable Sustainability
- Socio- Economic Sustainability
- Sustainable Materials/Green Building Materials
- Green Rating and Certification
- Energy Management
- Legal Aspects Relating to Sustainable Construction
- Sustainable Facilities
- Education of Sustainable Construction
- Linking Design and Construction to Operation and Maintenance
- Disaster Management

WORLD CONSTRUCTION SYMPOSIUM



Organized by:

The Ceylon Institute of Builders (CIOB) and Building Economics and Management Research Unit (BEMRU), Department of Building Economics, University of Moratuwa

Sponsored by:

International Council for Research and Innovation in Building and Construction

WORLD CONSTRUCTION SYMPOSIUM

We are extremely pleased to host the World Construction symposium for the fifth consecutive year in Sri Lanka. The theme of the Symposium 'Greening Environment, Eco Innovations & Entrepreneurship' fits into CIOB's goal of making Sri Lanka, one of the first countries to adopt Green building methodologies as an integral part of their development activities.

Dr. Rohan Karunaratne,
President, CIOB



WORLD CONSTRUCTION SYMPOSIUM

*"With climate changes in various parts of the globe having its effect on us, it is very important for Constructors and Researchers to reach out and explore innovations to make our environment green as well as promote the Entrepreneurship among our stakeholders in the construction industry. Today our builders and our construction industry have matured and this prompted us to select the theme for the 5th symposium as **Greening the Environment, Eco Innovations and Entrepreneurship**. This enabled all the participants around the world and we here in Sri-Lanka to discuss our different viewpoints on new innovations and entrepreneurship in the built environment at the Symposium*

Prof. Chitra Weddikkara,
Chair Person of the Symposium



Associate Partners

Liverpool John Moores University, U.K

Centre for Infrastructure & Construction
Industry Development, The University of
Hong Kong

Indian Institute of Technology, Madras

Colombo Institute of Construction
Technology

WORLD CONSTRUCTION SYMPOSIUM

After the rigorous double blind review process, 58 papers were selected for publication, covering thirteen countries. This made the technical sessions at the Symposium to be both stimulating and informative. We are all grateful for the contributions of our keynote speakers, workshop facilitators, session chairs, and all our oral and poster presenters."

- Sri Lanka
- India
- United Kingdom
- United States of America
- Australia
- New Zealand
- Malaysia
- Turkey
- Qatar
- Oman
- United Arab Emirates
- Egypt
- Hong Kong



Symposium

Date, Venue

Fourth World Construction Symposium 2015
Theme: **Sustainable Development in the Built Environment: Green Growth & Innovative Directions**

12 – 14th June 2015, Hotel Galadari, Colombo.

Third World Construction Symposium
Theme: **Sustainability and development in built environment: the way forward**

20 – 22nd June 2014, Hotel Galadari, Colombo.

Second World Construction Symposium
Theme: **Socio Economic Sustainability in Construction**

14 – 15th June 2013, Hotel Cinnamon Lakeside, Colombo.

First World Construction Symposium
Theme: **Global Challenges in Construction Industry**

28 – 30th June 2012, Colombo

WORLD CONSTRUCTION SYMPOSIUM

CONSTRUCTION EXPO 2016

CIOB is proud to have been a co-organizer of Construction Expo, an annual exhibition which is being held since 2012. Over the years, the exhibition has gained prominence and is today considered to be Sri Lanka's premier Construction, Machinery, Technology, Supplies & Service exhibition. The fifth Construction Expo exhibition was held from 29th to 31st of July 2016 at Bandaranaike Memorial International Conference Hall (BMICH), Colombo.

Ninety organizations both local and international, exhibited their products & solutions at the exhibition.



WORLD CONSTRUCTION SYMPOSIUM

