



The Ceylon Institute of Builders

Premiere body of Professional Builders

Established 1961

ACCOMPLISHMENT REPORT 2015

The Ceylon Institute of Builders
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Introduction to CIOB

The Ceylon Institute of Builders (CIOB) was first established in 1961 by some of the most illustrious engineers of Sri Lanka. It has been contributing actively over the decades towards development of the Sri Lankan construction industry whilst raising its professional standard. Some of the key objectives of CIOB are as follows;

- 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.
- Through its international affiliations will seek to use its influence to attract investments to the construction industry.
- Being the pivotal Organisation for building profession it would promote Training and Research for builders by establishing a library and Training and Research Centres.

CIOB certification after training is well recognised and respected throughout the construction industry. Coupled with international affiliation and with other national industries, CIOB members are privileged for contracts wherever they are in the world.

Activities of CIOB

CIOB 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.

- CIOB contributes 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.
- CIOB plays a key role to provide feedback to the government on their policies affecting the industry.
- CIOB Working Committees frequently engage to play the role of a "Think Tank" for the construction industry.
- CIOB works with the Government to provide appropriate solutions to the problems affecting the industry.

The Governing Body



Seated (L to R):

Mr. I. D. Wijeratne (Asst. Secretary), Mr. Ruwan De Siva (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. Patric 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.

Year 2015 in Review

The year 2015 has been yet another year of accomplishment for the CIOB. In addition to our regular services, we at CIOB were successful in a number of new projects and programmes during the year, which offered benefits and new opportunities particularly to the membership and to the industry in general. This is a note on 2015 CIOB Accomplishments;

a. Advocacy:

As in the past CIOB made several representations on behalf of the membership and the industry to a number 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 etc.

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.

b. Shifting of CIOB Secretariat:

CIOB relocated its secretariat at No. 4-1/2, Bambalapitiya Drive, Colombo 4, with effect from 27th March 2015. The new address is centrally located, easily accessible and is more spacious. CIOB also increased its staff strength after relocation with the objective of serving the membership better. Some images of the new office are shown below;



c. World Construction Symposium:

The Ceylon Institute of Builders (CIOB) and Building Economics and Management Research Unit (BEMRU), Department of Building Economics, University of Moratuwa jointly organised the Fourth (4th) World Construction Symposium to be held from 12 - 14 June 2015 at Hotel Galadari, Colombo. The symposium was sponsored by International Council for Research and Innovation in Building and Construction (CIB). Liverpool John Moores University, United Kingdom, Centre for Infrastructure & Construction Industry Development, The University of Hong Kong, Indian Institute of Technology, Madras and Colombo Institute of Construction Technology were the Associate Partners of the Symposium. The symposium was also supported by a large number of state organizations, sponsors and local and international professional organizations

The 4th consecutive Symposium aimed at providing a forum for exchanging ideas between construction researchers in the areas of sustainability with a view to fostering a better link between industry and academia. The main theme of the symposium was, "**Sustainable Development in the Built Environment: Green Growth & Innovative Directions**".

The symposium sub themes were,

- Green Buildings
- Sustainable Urbanisation
- Sustainable Construction Practices
- Cost Management
- Process Improvement
- Building Information Modeling and Information Management
- Innovative Green Technologies
- Sustainable Procurement Strategies
- Environmental 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
- Disaster Management

Over 150 participants with 30 overseas participants attended the 2-day symposium held at the Galadari Hotel, Colombo. A total of 50 Abstracts and Full Papers were presented during the conference giving a rare opportunity to all our members and industry representatives to share knowledge and experience with experts in the industry both locally and internationally. Some pictures of the Symposium are below;





d. First Green Building Awards Presentation:

The **CIOB Green Mark Scheme** was launched as an initiative to drive Sri Lanka's construction industry towards more environment-friendly buildings, products and services. It is intended to promote sustainability in the built environment and raise environmental awareness among developers, designers and builders when they commence project conceptualisation and design, as well as during construction.

The CIOB Green Building Certification (CGBC) is awarded to:

- Constructed Buildings (New & Existing)
- Building Products & Material and
- Building Services

CIOB Green Mark provides a meaningful differentiation of buildings in the real estate market. It is a benchmarking scheme which incorporates internationally recognized best practices in environmental design and performance. This can have positive effect on corporate image, leasing and resale value of buildings. Benefits of CIOB Green Mark include:

- Facilitate reduction in water and energy bills,
- Reduce potential environmental impact,
- Improve indoor environmental quality for a healthy and productive workplace,
- Provide clear direction for continual improvement.

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. Some pictures of the Awards Night are shown below;





CIOB Green Mark Awards - 2015

WINNING PRODUCTS

Product Category	Company Name	Product Name	Final Rating
Paint & Coating	Nippon Paint Lanka (Pvt.) Ltd.	Nippon 03 in 01 Medi fresh Emulsion for interior use	Gold
	Nippon Paint Lanka (Pvt.) Ltd.	Weather bond algae guard Emulsion for Exterior use	Gold
	Macksons Paints Lanka (Pvt.) Ltd.	Weather guard- Exterior wall paint	Gold
	Macksons Paints Lanka (Pvt.) Ltd.	Premium Emulsion- Interior Wall paint	Gold
	True Value Products (Pvt.) Ltd.	Monalisa-Porcelain Panel	Gold
Tile	True Value Products (Pvt.) Ltd.	Kalesinter flex Porcelain ceramic slab	Gold
	Macksons Tiles Lanka (Pvt.) Ltd	Macktiles - Glazed ceramic floor tiles	Bronze
Cement	Tokyo Cement Company Lanka PLC	Portland Pozzolana Cement	Gold
PV Panel	J Lanka Technologies (Pvt.) Ltd.	Trina Solar Photovoltaic Modules	Gold
Switch Board	Venora International Projects (Pvt.) Ltd.	Power Panels	Silver
Exterior Panel	Ceyoka Engineering (Pvt.) Ltd.	Exterior Panel	Gold
Carpet	True Value Products (Pvt.) Ltd.	Haima- Carpet	Silver
Brick	OS Bricks (Pvt.) Ltd.	Earth Compressed Bricks	Gold
Switches and Sockets	Orel Corporation (Pvt.) Ltd.	Switches and Sockets	Bronze
Cables	Orel Corporation (Pvt.) Ltd.	Orange Cables	Silver
Waste Management	Asia Recycling (Pvt) Ltd	CFL Recycling Plant	Gold

e. CPD Training - Green Contractor Certification:

The CIOB Academy the Training & Development arm of CIOB conducted its first Continuous Professional Development (CPD) Training Programme on Green Contractor Certification

Training workshop on “GREEN CONTRACTOR CERTIFICATION”

Recognizing leaders of sustainable construction

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

Topics Included

- **Environmental Concerns in making green buildings**
 - Ecological concerns in building design
 - Conserving natural environment
 - Efficiently 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

Resource Individuals

- Prof. Sarath Kotagama
- Prof. Ajith De Alwis
- Dr. Ravihansa Chandratilake

Course Details

- Friday August 07, 2015 , From 9.00 a.m. to 5.00 p.m.
- At Upper Crystal Ballroom, Taj Samudra Hotel
- Medium - English
- Certificates of Participation were Awarded to all participants

List of Participating Companies:

1. Nawaloka Construction
2. Tudawe Brothers
3. JAT Holdings
4. Maxaire (Pvt) Ltd
5. Ceylon Steel Corporation
6. CML-MTD Construction
7. MTD Walkers
8. Sarukya Construction
9. Sabaragamuwa University
10. SL Navy
11. Ranglo International
12. Hayley Industrial Solutions
13. Bodyline Ltd
14. State Engineering Corporation
15. Samson Industries
16. Nuwani Construction
17. Maga Engineering
18. CIDA (ICTAD)
19. Vorigo Systems (Pvt) Ltd
20. Lanka Walltiles
21. Saw Engineering
22. Rocell Bathware
23. Sanken Construction
24. Sierra Cables
25. True Value
26. Bitumix (Pvt) Ltd - Banner
27. JLanka Tehnologies
28. BlueScope Lysaght
29. RN Construction
30. Solitra Power (Pvt) Ltd
31. Diyawanna Development (Pvt) Ltd
32. Sino Lanka
33. H S B C
34. Majestic Electricals
35. Industry Serve - Sponsor
36. Greenpath Energy
37. M Homes
38. Holcim Lanka
39. H S R Engineering
40. Spotless / Millerholz (Pvt) Ltd
41. N & A Engineering
42. Lanmo (Pvt) Ltd
43. Koncept Centro (Pvt) Ltd

Some pictures of the training programme;



f. CIOB Green Building Material Catalogue:



The Ceylon Institute of Builders (CIOB) presented its first Green Building Material Catalogue to the industry stakeholders with the objective of promoting green building concepts and practices in Sri Lanka at the World Construction Symposium 2015 in June 2015.

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.

The CIOB believes that this catalogue will be a useful reference guide to professionals in the industry as well as the general public in sourcing green building products, material and services.

This comprehensive Green Building Material Catalogue was developed for the BuildGreen Sri Lanka Green Mark programme of CIOB which was launched at the Inaugural Ceremony of the 4th World Construction Symposium 2015 by the Chief Guest of the occasion, Hon. Ravi Karunanayake, Minister of Finance.

g. CIOB BuildGreenSL Website:

A comprehensive website was developed for the BuildGreen Sri Lanka Green Mark programme of CIOB which was launched at the Inaugural Ceremony of the 4th World Construction Symposium 2015 by the Chief Guest of the occasion, Hon. Ravi Karunanayake, Minister of Finance.



h. Advanced Certificate Course for Green Managers:

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.

Course Modules

- GMM 101:** Building Energy Modeling & Thermal Simulation
- GMM 102:** Efficient Building Envelope Design, ETTV & RETV
- GMM 103:** Energy Efficient Air-Conditioning Design, operation and maintenance
- GMM 104:** Energy Efficiency through Management & Audit
- GMM 105:** Solar Modeling
- GMM 106:** Sustainable Hot Water & Heat Recovery Systems
- GMM107:** Sustainable Water Management
- GMM 108:** Design and simulation for natural ventilation
- GMM109:** Maximizing Green Design through Building Automation
- GMM110:** Carbon Management for Green Environment
- GMM111:** Sustainable Acoustics
- GMM112:** Ecological concerns in building design
- GMM113:** "Green Mark" Assessment criteria, regulatory framework and scoring (Case Study)

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.

Assessment and Certification

- Candidates successfully completed the training course were awarded the "Green Project manager -Master [GPM (Master)]" certificate and title

Course Details

- Duration - 05 full days (12th , 13th, 14th, 19th & 21st Nov. 2015)
- Time - 8.30 am to 5.30 pm
- Venue- Taj Samudra Hotel, Colombo

Course Lecturers

- Course lecture panel comprised of well experienced industry professionals and leading academia both from Sri Lanka and BCA (Singapore).

i. Second Green Building Awards Presentation:

CIOB organised its second Green Building Awards presentation even in a bigger way compared to the first Green Building Awards Presentation. The second Green Awards ceremony 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.



2nd CIOB Green Mark Awards - 2015 WINNING PRODUCTS, COMPANIES & BUILDINGS

Green Building Products & Material

Product Category	Company Name	Product Name	Final Rating
Paint & Coating	Jat Holdings (Pvt.) Ltd.	Permoglaze Interior Emulsion	Gold
	Jat Holdings (Pvt.) Ltd.	Permoglaze Exterior Emulsion	Gold
	Jat Holdings (Pvt.) Ltd.	Permoglaze Water Based Enamel	Silver
Tile	True Value Products (Pvt.) Ltd.	Monalisa	Gold
	True Value Products (Pvt.) Ltd.	Kalekim Tile Adhesive	Bronze
	Colourcon (Pvt.) Ltd.	Pressed Cement Roof Tiles	Gold
Cement	Holcim Lanka Ltd.	Holcim Extra - Portland Pozzolana	Gold
	Holcim Lanka Ltd.	Portland Pozzolana	Silver
PV Panel	Vinseth Engineering (Pvt.) Ltd.	Solar Panel (Canadian)	Gold
Roofing	Bluescope Lysaght Lanka (Pvt.) Ltd.	Zincalume and Colourbond Roofing	Gold
Ceiling	VVK Alucon Industries (Pvt.) Ltd.	AMF Ceiling Material	Silver
Thermal Building Insulation	Macbertan (Pvt.) Ltd.	Mc Foil Super / Mc Foil Ultra	Gold
Composite Panels	Maxgrow (Pvt.) Ltd.	Almaxco - Aluminium Composite Panel	Gold
Steel	GTB Steel Corporation (Pvt) Ltd	GTB RB 500	Silver
Cables	Siera Cables PLC	Electric Cable	Silver
Building Operation Product	Softlogic Retail (Pvt.) Ltd.	Xerox Multifunction Printer	Silver

Green Builders

Award Category	Company Name	Final Rating
Green Builder	Tudawe Brothers (Pvt.) Ltd	Gold
Green Builder	Sanken Construction (Pvt.) Ltd.	Gold Plus
Green Builder	Nuwani Construction (Pvt.) Ltd.	Gold
Green Builder	Venora International Projects (Pvt.) Ltd.	Silver

Green Buildings

Award Category	Company Name	Project Name	Final Rating
Existing Non-Residential Building	Brandix Lanka Ltd	Brandix Lanka Head Quarters Building, Colombo	Platinum
Schools (Main Stream)	Royal College	Royal College - LPMC School Building, Colombo	Gold Plus
Existing Non-Residential Building	Hatton National Bank PLC	Hatton National Bank - Jaffna Branch Office Building, Jaffna	Gold Plus

Green Mark Professionals

CIOB also awarded its first batch of Green Mark Professionals at the second Green Awards presentation. A total of 24 professionals were presented with their credentials at the ceremony.

