

Technical Advisory Panel

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SECTION ONE

Introduction to GREEN^{SL}® Labeling System

The GREENSL[®] Labelling System of Green Building council of Sri Lanka (GBCSL) offers a valuable opportunity to environmentally responsible product manufacturers to entitle their products under GBCSL Green Products umbrella, which gives them a competitive advantage. The GBCSL Green Labelling System is a globally recognized scheme where the manufacturers and designers can achieve recognition for their valuable interest on producing greener products.

What is a Green Label (Eco Label) ?

A label which identifies overall environmental preference of a product or service based on life-cycle considerations. An eco-label is awarded by an impartial third party to products that meet established environmental leadership criteria.

Are we the only country Identifying Green products?

Many countries, based on their present issues, have developed Green-Labelling schemes. Today, there are about 50 different types of green labels around the world. Asian countries such as China, India, Japan, Korean, Malaysia, Singapore, India and Thailand also use their own home grown green label schemes to identify sustainable building materials and products which suitable to the built environment of their countries.

During criteria development, every country considers their own environmental and climatic conditions, resource availability and country priorities. Australian-Environmental Choice,

New Zealand - Environmental Choice, USA - Green seal, Singapore - Green Mark, Denmark - Eco Label, Greece – Eco label are such examples.

Importance of “Home Grown” Green Labelling System to Sri Lanka

Environmental and climatic conditions, resource availability, country priorities and present issues of Sri Lanka will not same with other countries. Hence, the manufacturer can identify their real green value through a home grown system. In the development process of making Sri Lanka sustainable greener country, the establishment of the Green-Labelling system was an important milestone.

GREEN^{SL}® Labelling System (GLS[®])

GLS[®] is here to promote sustainable manufacturing and consumption patterns in Sri Lanka. The GLS[®] is an ISO Type 1 (Under International Organization for Standardization-ISO) Green-Labelling System which involves voluntary, third party certification based on multiple environmental criteria across the life cycle of a product.

According to Global Environmental Network (GEN-2010), Type I Green-Labelling programs are transparent in their standard

development process and rely on independent verification of products or service to these standards.

The GLS[®] was developed by the technical committee members of GBCSL together with the Building Economics and Management Research Unit (BEMRU) of University of Moratuwa. GBCSL is the governing body in Sri Lanka, responsible for implementing and maintaining the GLS[®]. The governing body comprises of experts in different disciplines, i.e. academia, industrial and commercial associations and environmental groups, who effectively contribute to the functioning of the system.

In establishing the environmentally acceptable criterion for products, the relevant international standards were drawn and benchmarked with well-developed green-labels to ensure the credibility. Further, GREEN^{SL}[®] Label will be issued by GBCSL for products suppliers which then will be followed with continuous monitoring to ensure that the certified environmental criteria are maintained.

Aim of GREEN^{SL}[®] Labeling System(GLS[®])

- ✂ To assist construction industry to identify and use proper material /products with Green features
- ✂ To promote local manufactures to produce Green products/materials
- ✂ To encourage building material importers to concentrate more on Green products/materials

- ✂ To encourage governmental authorities to grant concessions to Green product manufacturers and importers
- ✂ To protect the environment from harmful materials, product and emissions
- ✂ To assist manufacturers to convert the manufacturing process greener

How do Green-products identified by GBCSL address environmental issues?

- ♻ Recyclability/Reusability/Refillability
- ♻ Long life
- ♻ Degradability/ Compostability
- ♻ High quality performance
- ♻ Energy saving
- ♻ Environmental clean-up products
- ♻ Using recycled materials
- ♻ Less Emissions

Advantages of GREEN^{SL}[®] Label of GBCSL

- ♻ Allow consumers to make an environmentally friendlier choice without being environmental experts.
- ♻ Favor the encounter of demand and supply of green products and services.
- ♻ Offer a good marketing opportunity to products that stand out from the others because of their green performance.

- 🌱 Support innovation, encouraging the diffusion of green products on the market.
- 🌱 Reduce overall environmental impacts and supports the sustainable development.
- 🌱 Attract consumers who were looking for ways to reduce adverse environmental impacts through their purchasing choices.
- 🌱 Provide assurances of safety and reliability to users of your products.
- 🌱 Provide an independent assurance that your products are manufactured under an effective system of testing, supervision and control which should result in improved production efficiency and reduced wastage and rejects.
- 🌱 Demonstrate product compliance with national or international standards of green products, eliminating the need for further testing by purchasers or consumers.
- 🌱 Give your products protection against misrepresentation and competition from substandard products.
- 🌱 Enhance your reputation and extend your market by using the Product Certification Mark on your certified products as a marketing tool.
- 🌱 Provides the suppliers with the opportunity of having competitive advantage of differentiating a product from similar ones on the market. This will create market incentives for manufacturers to develop and supply more environmentally sound products
- 🌱 List your products automatically in GBCSL “Green Pages” at no additional cost.

Why you should go with GBCSL, GLS® for your product

1. We are accredited by,

Construction Industry Development Authority (CIDA)
(Ministry of Housing and Samurdhi)

The Construction Industry Development Authority (CIDA) is the Government organization vest power to develop and promote the domestic Construction Industry, Contractors, Professionals, Work Force, etc. with the Vision to create a reliable and globally competitive construction industry for Sri Lanka. Green Building Council of Sri Lanka and its Functions are recognized by CIDA since 2010.

Sri Lanka Standards Institution(SLSI)
(Minister of Industry and Commerce)

Sri Lanka Standards Institution (SLSI) is the National Standards Body of Sri Lanka, established under the Bureau of Ceylon Standards Act No. 38 of 1964 with the Mission to undertake, promote and facilitate Standardization, Measurement, Quality Assurance and related activities in all sectors of the national economy.

2. GBCSL do have a professional network with more than 400 members of highly experienced construction industry professionals in a wide range of sectors.
3. In Sri Lanka, only GBCSL do have its own Green Building Rating tool (GREEN^{SL}® Rating System- GRS®) endorsed by Ministry of Environment to evaluate green buildings in Sri Lanka.

4. GBCSL is a member of,

World Green Building Council (WGBC)

The World Green Building Council is a network of national green building councils in more than 100 countries, making it the world's largest international organization influencing the green building sustainability with the mission to strengthen green building councils in member countries by championing their leadership and connecting them to a network of knowledge, inspiration and practical support.

With 100,000 buildings and almost one billion square meters of green building space registered, the influence and impact of this global network is a significant force for social and environmental change.

We are a member of WCBC since 2009 by achieving the specific set of criteria that are verified by WorldGBC to become a member and assure international recognition of GBCSL functions.

For More Information :

Green Building Council of Sri Lanka

120/10, 'Vidya Mandiraya',
Vidya Mawatha, Colombo 07
Tel : +94 112679130

Email : office@srilankagbc.org,

Web : www.srilankagbc.org



SECTION TWO

Application and Certification Process

The GLS[®] for Sustainable Building Materials and Products is administrated and managed by the GBCSL. All sustainable materials and products which have been mentioned under 3.3 of this version are eligible for certification under the GLS[®] for Sustainable Building Materials and Products.

Green Labelling Certification is a formal process which involves certain environmentally preferable criteria related to the life cycle of sustainable materials/ products. To assess the environmental impacts of the materials/ products, a documentation-based submission is collated as proof of this achievement.

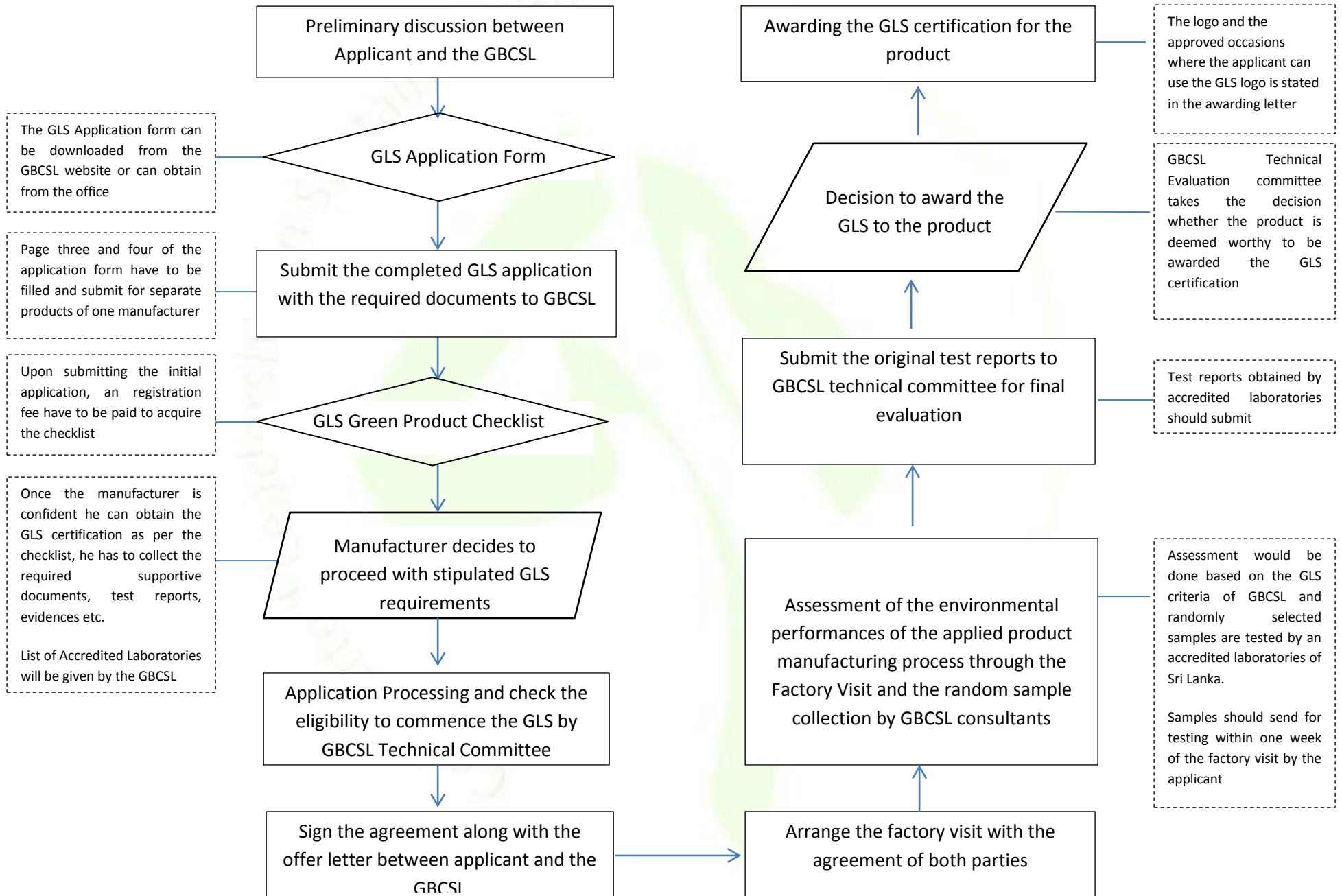
The GBCSL will commission a panel of Certified Assessors to validate that the documentation for claimed certification with the compliance criteria requirements as outlined in the labelling document.

The system encourages the manufacturers, suppliers and distributors of sustainable building materials and products to implement sustainable practices and reduce the negative environmental impacts which would result due to their activities. Manufacturers, distributors, suppliers would have to submit to GBCSL to register their interest in participating in the GREEN^{SL}[®] Labelling Scheme.

Once you submit the Application;

- 🌱 GBCSL assessment team will have a preliminary meeting with the applicant to brief on the assessment process and criteria.
- 🌱 Request for relevant reports and documentary proofs to substantiate the subsequent submissions.
- 🌱 Commence actual assessment which will include documentary reviews as well as site verification
- 🌱 Documentary evidences are to be submitted at the end of the assessment.
- 🌱 Upon completion of the assessment, the Panel of Assessors will make recommendation to the GBCSL Accreditation Board on certification to be awarded to the material/product.
- 🌱 The GBCSL Accreditation Board after making their own assessment and will recommend to the Board of Directors of the GBCSL to award appropriate certification.

GREEN^{SL} Labelling System Certification Process of GBCSL



SECTION THREE

Sustainable Building Materials and Products

After a thorough study of all the existing labelling systems for building materials and products, GBCSL technical committee has developed a comprehensive green labelling system with the most suitable sustainable building materials and products. Further, most appropriate material/ product criterion have been developed considering their applicability to Sri Lanka. Hence, the GLS[®] for Sustainable Building Materials and Products, Version 1.0 applies to following product categories.

Building Materials

- 🌿 Architectural Coatings
- 🌿 Wood Panels
- 🌿 Recycled and Reclaimed Timber
- 🌿 Environmentally Preferable Concrete and Concrete Products
- 🌿 Recycled Plastic
- 🌿 Recycled Rubber
- 🌿 Construction Framing Products and Systems
- 🌿 Fibreboard from Recycled Resources
- 🌿 Gypsum Wallboard
- 🌿 Pressed Firewood Logs
- 🌿 Resident Flooring
- 🌿 Wood Based Panels and Wooden Flooring
- 🌿 Blocks for Architecture
- 🌿 Asbestos Free Building Materials
- 🌿 Phosphorus Gypsum Building Materials
- 🌿 Plastic Water and Sewage Pipe
- 🌿 Lightweight Wall Boards
- 🌿 Textile Floor Coverings
- 🌿 Geosynthetics
- 🌿 Wood-Based Agglomerated Materials and Products
- 🌿 Moulded Fibre Products
- 🌿 Hard floor, desktop and wall coverings
- 🌿 Hard Floor Coverings
- 🌿 Building Materials primarily made of Recycled Paper
- 🌿 Low Emission Wood Products and Wood-Base Products
- 🌿 Building materials made primarily from Waste Glass
- 🌿 Low-Emission Composite Wood Panels
- 🌿 Ceramic for Building
- 🌿 Wood Based Panel
- 🌿 Tile-blocks
- 🌿 Boards Made of Wood or the Like
- 🌿 Soundproof and Vibration-Proof Mats
- 🌿 Decorative Sheets
- 🌿 Built-in Wooden Products for Building
- 🌿 Gypsum Plasterboard
- 🌿 Long Steel Products for Construction
- 🌿 Portland Cement and Portland Cement Blends
- 🌿 Ready Mixed Concrete
- 🌿 Chipboard, Fibre Board and Gypsum Board
- 🌿 Durable Wood
- 🌿 Portland Blast Furnance Cement
- 🌿 Building Material Made from Recovered Wastes
- 🌿 Rubber Insulations
- 🌿 Wood Substitutes
- 🌿 Cement
- 🌿 Porous Concrete Wall Blocks

Thermal Insulation

- 🌿 Acoustical Insulating Products
- 🌿 Thermal Insulation Material Made from Waste Paper
- 🌿 Lagging and Insulating and Sound-absorbing Materials
- 🌿 Indoor Floor Coverings
- 🌿 Soundproofing Products for Building Floors
- 🌿 Thermal (resistive-type) Building Insulants
- 🌿 Thermal Insulation Porous Concrete Units

Wall coverings

- 🌿 Wallpapers
- 🌿 Wallpapers and Woodchip Wall Coverings primarily made of Recycled Paper
- 🌿 Finishing Materials for Wall or Ceiling
- 🌿 Vehicle wash installations

Road Materials

- 🌿 Slag Cement
- 🌿 Asphalt/Concrete Release Agents
- 🌿 Abrasive light aggregate spreading material for winter maintenance of roadways
- 🌿 Low-Solvent Bitumen Coatings and Adhesives

- 🌿 Permeable Concrete Pavements
- 🌿 Recycled Slag Products

Machinery

- 🌿 Low-noise Construction Machinery

Windows

- 🌿 Energy-saving Doors & Windows
- 🌿 Windows and entrance doors
- 🌿 Window films

How to Apply

To apply for GREEN^{SL} Labelling Scheme of GBCSL, please complete the Application form and submit along with all required documents mentioned in the application form to GBCSL.

The Application form is available at GBCSL office located in No. 120/10, "VidyaMandiraya", VidyaMawatha, Colombo 07 or to download at our website.

Please Contact us at:

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