Ecolabelling Certification Criteria for

Detergent Products

CC-EL-14

National Cleaner Production Centre, Sri Lanka

1. Introduction

1.1 The Certification Scheme for Eco Labelling of Products/Services of the National Cleaner Production Centre, Sri Lanka (NCPC-SL) is based on the requirements laid down in the ***ISO 14024:2018*** **Environmental labels and declarations - Type 1 environmental labeling – Principles and procedures.**

ISO 14024 specifies the requirements for eco-labeling certification. The Eco Labelling criteria /s of NCPC SL satisfy the ISO 14024 requirements as required by the eco-labelling certification schemes. Here are the key requirements fulfilled accordingly;

- Scope: The eco-labeling certification scheme covers specific product categories/services with a significant impact on the environment.
- Product Criteria: Clear and transparent environmental criteria has been established for products/ services to be eligible for the eco-label. These criteria has been based on scientific evidence and consider the entire product life cycle.
- Independent Third-Party Verification: NCPC SL conduct independent third-party verification of compliance with the eco-labeling criteria.
- Impartiality: The certification process is impartial and free from any conflicts of interest that could undermine its credibility.
- Transparency: The eco-labeling scheme has provided transparent information about the certification process, criteria, and verification procedures.
- Continuous Improvement: The scheme encourages continuous improvement in the environmental performance of certified products /services.
- Stakeholder Involvement: Stakeholders, including businesses, NGOs, consumers, and government representatives, has been involved in the development and revision of the eco-labeling criteria.
- Non-Discrimination: The certification scheme has not discriminated against products or services from different sources based on factors unrelated to environmental performance.
- Compliance Monitoring: Regular monitoring and surveillance of certified products or services has been conducted to ensure ongoing compliance with eco-labeling criteria.
- Public Access to Information: Information about the eco-labeling scheme, certified products, and their environmental criteria shall be accessible to the public.
- Environmental Labeling and Advertising: The use of the eco-label in advertising or labeling has been controlled and subject to the certification scheme's rules.
- Review and Revision: The certification scheme should undergo periodic review and revision to ensure its relevance and effectiveness.

1.2 This document sets out specific managerial and technical criteria for raw material extraction, transportation, manufacturing, dispatch of detergent chemical products for sale, etc. Terminologies and aspects related to the concepts of sustainability management are covered during the involved processes. The aspects

related to sustainability management described in this document can include environmental impacts, energy, and water security or socio-economic development, or any combination thereof.

1.3 The certification of Eco Labelling of detergent chemical products is implemented through a set programme operated over a specified period as agreed with relevant parties. The NCPC-SL functions as the scheme owner of this certification scheme. This document includes environmental criteria, function characteristics, and legal requirements related to hand wash, dish wash, industrial detergents, laundry detergents, household detergents and automobile detergents

1.4 This specific product environmental criteria document has been prepared by the Expert Committee on Eco Labelling appointed by the NCPC-SL and authorized for adoption by the Governing Council of NCPC-SL. The detergent products manufacturers who are seeking eco-labeling certification are required to meet the following requirements.

i. The product and processing conditions shall comply with the requirements given in the below NCPC-SL guidelines; and
ii. The product and processing shall comply with relevant regulations mentioned in this document and enforced in the country, as applicable; and
iii. The product should conform to the relevant national, regional, and internationally recognized standards

1.5 This document supplements the below guidelines and provides guidance for the certification of detergent chemical products for both Assessors and Producers who are preparing for certification. Each criterion mentioned herein is categorized depending on the significance of its impact on the product environmental criterion or product function characteristic being discussed, e.g. energy, water, material, environment, or socio-development, as follows.

I. Mandatory requirements (M) – Related to the legal requirements for product functional characteristics
II. Critical requirements (C) – Significant to product environmental criteria
III. Non-critical requirements (NC) – Not so significant to product environmental criteria when compared to critical requirements

1.6 This document should also be read in conjunction with the Rules and Procedures of NCPC-SL as applicable to the Eco Labelling Certification scheme.

1.7 This document will be periodically reviewed and updated based on the experience gained and the developments that have taken place in technology and the use of energy, water, material and the environment. The term 'shall' is used in this document to indicate those provisions which are mandatory. The term 'must' is used to indicate the guidance which, although not mandatory, is provided by NCPC-SL as a recognized means of meeting the requirements of the standard. The term 'should' is used to indicate recommendations for implementation.

1.8 The client should submit the relevant pieces of evidence for conformity verification for the last calendar year.

2. References

In the preparation of this criteria document, the following documents were referred.

2.1 SLS 687:1985 Synthetic organic liquid detergents for household use
2.2 SLS 760:2016 Synthetic laundry detergent powder
2.3 SLS 1617:2018 Liquid detergent for hand dishwashing
2.4 ISO 14024 – Environmental labels and declarations- Type 1 environmental labeling– Principles and procedures
2.5 Guidelines for Providing Product Sustainability Information, UN Environment Programme,2017
2.6 ISO 14001 EMS Certification.
2.7 ISO 45001:2018 Certification.
2.8 ISO 9001 QMS Certification.

3. Terms and definitions

For the purpose of this document, the terms and definitions given in the referred standards and the following shall apply.

3.1 **Conformity**: Fulfillment of a requirement

3.2 Note: Conformance and compliance are synonymously used for conformity but deprecated.

3.3 **Verification:** Confirmation through the provision of objective evidence that specified requirements have been fulfilled.

3.4 **Organization:** The Applicant organization is hereinafter referred to as an organization.

Certification Criteria Requirements	Weighting Factor
4. Product Design for Sustainability	
a) The product/s must be designed holistically, considering all the environmental aspects (eg: Resource Efficiency improvement, minimizing waste/pollution/emissions , eliminating toxicity, design disassembly, extended product lifetime, etc), to minimize associated impacts throughout the lifecycle. *Conformity verification* • Strategies adopted at Design & Manufacturing Process/Operations to improve the environmental performance of the product • Resource allocation for improving the design of the product & manufacturing of the product • Details of the Stakeholder engagement • Implemented measures and addressed environmental Impacts • R & D plans, test reports, etc	C
5. Raw Materials/Chemical Extraction	
5.1 Responsible for the Acquisition of Raw Materials	
a) Sufficient evidence should be maintained and provided on locally extracted or imported raw materials, to prove that the environmental impacts have been assessed and addressed by the supplier; *Conformity verification* • Certificates of environmental conformance received from the supplier. • (use of environment friendly raw materials & related procumbent policies for purchase environment friendly raw materials/ machineries • Agreements with the supplier • Process and the criteria of material selection/ evaluation	NC
a) Appropriate measures (eg: pre-planning of transportation, avoiding unnecessary movements, covering of materials during transportation, etc) must be taken to minimize oil/fuel consumption, and air emissions related to environmental impacts during the raw material transportation; *Conformity verification* • The records on oil/fuel consumption for transportation are maintained • evidence for green practices such as two mode transportation and etc. **Or**	C

b) If the material transportation is carried out by a third party, appropriate measures should be taken to reduce associated environmental impacts with the involvement of the relevant party (Eg: conditions through agreements) *Conformity verification* • Copy of Signed Agreement • Details of the projects implemented and the efforts are taken to minimize dust emission/material spillage reduction due to transportation. • Details of the safety precautions taken during transportation, and photographic evidence.	
7. Manufacturing Process	
7.1 General Requirement	
a) Effective Environmental Management System (EMS) policies, procedures, and environmental management programmes should be implemented by the organization *Conformity verification* • Valid ISO 14001 EMS Certificate • Records on Environmental Management Policy, procedures, and environmental management programs are maintained	NC
b) Documented Environmental Management Roadmap must be developed to address the potential environmental problems of the organization *Conformity verification* • Environment management roadmap of the organization	C
c) The most updated DID (Detergents Ingredients Database) list should be referenced for determining the degradability of surfactants and the aNBO (aerobically non- biodegradable) and anNBO(anaerobically non-biodegradable) values for organic compounds. *Conformity verification* • Safety data sheets and Supplier verification • Data on surfactant degradability and aNBO/anNBO values align with the DID list	NC
6. Raw Material Transport to the Factory	
d) The applicant must ensure that each substance above 0.010% (w/w) in the final product do not meet hazard classifications listed in Appendix 1/SDS *Conformity verification* • Signed declaration of compliance • Supporting supplier declarations or SDS	C

7.2 Water Resource Consumption and Conservation	
a) Infrastructure must be maintained to quantify the water usage for industrial processes and other purposes in the organization *Conformity verification* • Water supply metering and/or submetering facilities established in the organization • Water consumption records are maintained on a daily/ monthly basis (Installation of flow meters • Water recycling options	C
b) The water distribution system/Plan should be documented *Conformity verification* • Plumbing Layout of the factory	NC
c) Company benchmark/baseline for water consumption should be established and monitored continuously Eg: specific water consumption in m^3 / litres (m^3/Kg, m^3/MT) of product manufactured or per employee water consumption *Conformity verification* • Details of annual production, annual water consumption & Specific water consumption for at least 2 years • Details of company benchmarks including comparisons with the previous two years or national and international benchmarks	NC
d) Specific water consumption should be reduced by a minimum of 5% from the baseline/Base year and has to be reported (Reduction in specific water consumption ≥ 5% Reduction in specific water consumption ≥ 10% Reduction in specific water consumption ≥ 15%) *Conformity verification* • Details of annual production, annual water consumption & Specific water consumption for 3 years	NC

e) Water conservation techniques and technologies must be implemented so that water efficiency is maintained *Conformity verification* • Site inspection regarding the implementation of Water conservation techniques and technologies, • Details of annual water consumption & Specific water consumption (Reduction in specific water consumption ≥ 2% from the previous year Reduction in specific water consumption ≥ 3% from the previous year Reduction in specific water consumption ≥ 5%) from the previous year	C
f) At least 5% of the total annual water consumption should be derived from the harvested rain water that runoff from the roof & non-roof areas of the manufacturing facility Action Plan *Conformity verification* • Factory observations of the operating rain water harvesting system • Quantitative information on the rain water collected monthly/ annually	NC
g) Organizational/product water footprint should be calculated, recorded, and maintained. *Conformity verification* • The transparent and verifiable calculation method is available	NC
h) A Method must be introduced and implemented for continuous monitoring and measuring the progress of the water management programmes and analysing water consumption/conservation relevant data to make sure that the water-saving efforts have been effective and communicating the progress to the relevant authorities (eg: top management) *Conformity verification* • Progress report • Impact/water Assessment Reports • Management review meeting minutes, etc	C
7.3 Energy Resource Consumption and Conservation	
a) Infrastructure must be maintained to quantify the energy (Renewable and Non-renewable) usage for industrial processes and other purposes in the organization *Conformity verification* • Electricity sub-metering facilities established in the organization • Electricity/Fuel consumption records are maintained on a daily/monthly basis • Metering facilities for measuring renewable energy consumption/production are established in the organization and records are maintained	C

b) Company benchmark/baseline for energy consumption must established and monitored continuously. (eg: specific electrical energy consumption in KWh / litres (KWh / kg, KWh / g, KWh / MT) of product produced and specific thermal energy consumption in MJ/litres, (MJ / kg, MJ / g, MJ/MT) of product produced) *Conformity verification* • Details of annual/monthly production, energy consumption & specific energy consumption for the preceding at least 2 years	C
c) Specific electricity consumption should be reduced by a minimum of 5% from the baseline/Base year has to be reported (Reduction in specific electricity consumption ≥ 5% Reduction in specific electricity consumption ≥ 10% Reduction in specific electricity consumption ≥ 15%) *Conformity verification* • Details of annual production, energy consumption & specific energy consumption for at least 2 years • Details of the implementation of energy efficiency improvement measures with actual benefits achieved	NC
d) Specific thermal energy consumption should be reduced by a minimum of 5% from the baseline/base year has to be reported (Reduction in specific electricity consumption ≥ 5% Reduction in specific electricity consumption ≥ 10% Reduction in specific electricity consumption ≥ 15%) *Conformity verification* • Details of annual production, energy consumption & specific energy consumption for the preceding 2 years • Details of the implementation of energy efficiency improvement measures with actual benefits achieved	NC

e) The organization should be substituted nonrenewable energy sources (On-site & off-site) with renewable energy (Eg: biomass, solar power, hydropower, etc) *Conformity verification* • Details of installation of onsite and offsite renewable power generating sources including the technology, installed capacity and location with photographs of installations • Details of total power/energy consumption in the manufacturing facility and renewable power produced in kWh, • Solar connection agreement, etc	NC
f) Appropriate measures (Eg: Fuel switching, waste heat recovery applications, etc) must be implemented to improve energy efficiency in the organization *Conformity verification* • Site inspection relevant to the energy efficiency measures implemented • Records on energy savings done through such implementation, investment records, etc	C
g) Effective Energy Management System (EnMS) or policies, procedures, and energy management programmes should be implemented by the organization *Conformity verification* • Valid EnMS Certificate • Records on Energy management Policy, procedures, and energy management programmes are maintained	NC
h) Organizational/product carbon footprint (assertion of GHG emissions and removals) should be calculated, recorded, and maintained. *Conformity verification* • A transparent and verifiable calculation method is available.	NC
i) A Method must be introduced and implemented for continuous monitoring and measuring the progress of the energy management programmes and analysing energy relevant data to make sure that the energy-saving efforts have been effective and communicating the progress to the relevant authorities (eg: top management) *Conformity verification* • Progress report • Impact/Energy Assessment Reports, Management review meeting minutes, etc	C

7.4 Raw Material Consumption	
a) Input/Raw materials must be non-toxic to eliminate exposure to heavy metals (eg: mercury, lead, cadmium, hexavalent chromium, arsenic & antimony) and release of solvents. Procure plan for buy environment friendly raw material *Conformity verification* • Records on Raw material consumption • Product Sample test report • Product certificates	C
b) The amount of raw materials acquired locally should be 3% or more than that out of the total raw material consumption to produce a unit of product *Conformity Verification* • Records of total and local raw material content, source/location of material acquired/Purchased	NC
e) Appropriate measures should be taken to eliminate exposure to Free formaldehyde. Formaldehyde; Free formaldehyde MUST not be intentionally added. Free formaldehyde in any ongoing material as impurity must be less than 0.01% by weight. *Conformity verification* • Test reports or certificates confirming the absence/level of formaldehyde • SDS	NC
f) Heavy Metals; Must not be added intentionally to the product; supplier of coloring material should ensure that coloring material or pigments does not contain heavy metals *Conformity verification* • Test certificates as per the standards specified complying with the limits in case of contamination	C
g) Raw materials must be stored in a way that reduces spills, wastage and leaks. (Chemical raw materials are exempted under this criterion) *Conformity verification* • Site inspection	C

h) The detergent shall be incompliance with available local standards. If the detergent is intended to be use in any other country, the product should comply with standards applicable to the country where it is used. *Conformity verification* • Evidence of compliance standards • Test reports and sampling records according to the standard	M
i) All surfactants should be readily degradable (aerobically). Additionally, all surfactants classified as hazardous to the aquatic environment (Acute Category 1, H400 or Chronic Category 3, H412) shall be anaerobically biodegradable. *Conformity verification* • Test results confirming the aerobic degradability of surfactants • Evidence of anaerobic biodegradability for hazardous surfactants classified under H400 or H41	NC
j) The content of organic substances in the product that are aerobically non-biodegradable (aNBO) or anaerobically non-biodegradable (anNBO) should not exceed the following limits for the reference dosage as in Appendix 2 *Conformity verification* • Test results confirming the biodegradability of organic substances • Documentation of aNBO and anNBO values not exceeding specified limits	NC
k) In the absence of documentation for degradability, an input substance other than a surfactant should be exempted from the requirement for anaerobic degradability if it fulfills one of the following alternatives: 1. It shall be readily degradable and have low adsorption (A < 25%). 2. It shall be readily degradable and have high desorption (D > 75%). 3. It shall be readily degradable and non-bioaccumulating. *Conformity verification* • Test results confirming the substance's readiness for degradation • Documentation supporting one of the exemption conditions (low adsorption, high desorption, or non-bioaccumulating) • Supplier verification from a recognized body	NC

l) Input substances derived from palm oil or palm kernel oil should be sourced from plantations certified for sustainable production, based on multi-stakeholder organizations that include NGOs, industry, and government, and address environmental impacts like soil, biodiversity, carbon stocks, and resource conservation. *Conformity verification* • Certification scheme compliance documentation • Evidence of multi-stakeholder involvement • Confirmation of addressed environmental impacts	NC
m) The substances listed in the Appendix 3 (Excluded substances)must not be included in the product formulation as per the applicable regulation of the country *Conformity verification* • Signed declaration of compliance from the applicant • Supporting declarations from suppliers, if appropriate, confirming the exclusion of listed substances from the product formulation	C
n) Substances listed in the Appendix 4 (Restricted substances)shall be restricted in the product formulation and shall not exceed the specified concentration limits define in SDS/TDS. These include certain preservatives, phosphorus content in specific products, and regulated fragrance substances. *Conformity verification* • Signed declaration of compliance from the applicant • Supporting declarations from suppliers, if appropriate • Calculation of total phosphorus content where applicable • Documentation confirming compliance with fragrance concentration limits as per SDS/TDS	M
o) Fragrances used in the product shall be manufactured and handled in accordance with the Code of Practice of the International Fragrance Association (IFRA). *Conformity verification* • Signed declaration of compliance with the IFRA Code of Practice • Supporting documentation from fragrance suppliers, if appropriate	M
p) Preservatives shall only be included to preserve the product and shall be used at appropriate dosages for that purpose. This does not apply to surfactants with incidental biocidal properties. *Conformity verification* • Signed declaration of compliance • Supporting documentation confirming purpose and dosage of preservatives	M

q) Colouring agents used in the product must not be bioaccumulating. A colouring agent is considered not bioaccumulating if the BCF (Bioconcentration factor) is < 100 or log K_ow is < 3.0. If both values are available, the highest BCF shall be used. Colouring agents approved for use in food are exempt from this requirement. *Conformity verification* • Signed declaration of compliance • Supporting data on BCF or log K_ow values, where applicable • Proof of food-grade approval for exempted coloring agents • Environmental Friendly , Non-toxic coloring agents	C
Occupational Health and Safety and Responsible Chemicals Management	
r) A sound chemical management plan must be developed and implemented to ensure the safe and proper use of hazardous/Non-hazardous chemicals, dangerous goods/controlled substances and to comply with applicable governmental regulations *Conformity Verification* • Chemical Management Plan which includes the following as necessary: Legislation and Licensing, Signage & Placarding, Training & Induction, Personal Hygiene, Chemical Handling, Safety Data Sheets, Risk Assessment of Tasks Involving Chemicals, Labelling, Storage, Transportation of Chemicals, Chemical Waste and Disposal and etc.	C
s) Occupational Health and Safety practice guidelines, Emergency Preparedness plan must be developed and implemented as per the following national/international requirement and appropriate measures must be Initiated for improving occupational well-being Eg: ISO 45001:2018 Occupational Health and Safety Management systems or equivalent. Standard procedure/ practices for chemical storage as per GHS -Globally Harmonized System of Classification and labelling of chemicals. *Conformity Verification* • Valid ISO 45001:2018 Certificate • Supporting documents which demonstrate the set objective for OH&S are met. • Copy of emergency response plan • Documentary evidence for applying standards in chemical storage and handling • Records of training and awareness sessions conducted • Incident and accident register, • Observations of using personal protection equipment • Fire fighting equipment, First aid, eye wash stations	C

t) Green initiatives (such as chemical leasing, shifting to green chemicals and application of green chemistry, etc) should be adopted and implemented to design and/or produce cost-competitive chemical products and processes by reducing pollution at their source *Conformity Verification* • Agreements with suppliers • Purchasing orders of chemicals • Safety Data sheets of chemicals Evidence of R&D projects related to green chemical initiatives	NC
7.5 Product Quality	
a) The product must be fit for its intended purpose and must meet performance requirements of relevant national/International standards, or prove fitness for purpose with other appropriate documentation (standards/guidelines) *Conformity Verification* • Valid SLS certificate or • Test reports verifying the performance parameters of the product are met • Customer satisfaction survey	C
b) Effective Quality Management System (QMS) or policies, procedures, and quality plans/programmes should be implemented by the organization *Conformity Verification* • Valid ISO 9001 QMS Certificate • Records on Quality Policy, procedures, and quality plans/ programmes are maintained	NC
c) Toxic heavy metals and their compounds, or ingredients containing heavy metals and their compounds, (including lead (Pb), cadmium (Cd), mercury (Hg), chromium (Cr), arsenic (As), selenium (Se), cobalt (Co), tin (Sn) and antimony (Sb), and Nickel) must not be added to products or used during manufacture to prevent pollutants entering the environment and to protect human health. *Conformity Verification* • Ingredients list for the product and Safety Data Sheet (SDS) for each ingredient, identification of potential contamination sources.	C
7.6 Waste Water Management	
a) The organization shall be complied with Central Environment Authority (CEA) stipulated regulations before discharging water into the environment. *Conformity Verification* • Treated waste water test reports.	M

7.7 Solid Waste Management	
a) Effective waste management policies and programs/plans must be documented for hazardous and non-Hazardous solid waste with regard to the following; • Quantities and types of waste recovered for reuse internally and externally; • Quantities and types of waste recycled internally and externally; • Quantities and types of waste disposed of to landfill; • Information on disposal locations for all wastes; and • Initiatives are taken to reduce waste generation and improve recovery/recycling of waste *Conformity verification* • Copy of Waste Management policy and waste management Plan/Programmes • The waste management plan should cover the following attributes as necessary *Assigning a responsible person for managing waste on site., obtaining legal compliance for, managing waste., establishing goals and objectives., estimating the waste types and amounts involved., set targets for reducing the amount of each waste sent to landfill., describe recycling/reuse methods for each material., identify the waste destinations and transport modes, including whatmaterials are being segregated on-site for reuse or recycling., Track progress., Describe special measures for material use and handling., Describe communication and training to support and encourage participation from everyone on site., If applicable, describe the sequencing and methods for deconstruction projects., Project review.*	C
b) A scheduled waste management license for the manufacturer for producing hazardous solid waste shall be obtained from Central Environmental Authority and implemented accordingly. *Conformity verification* • Copy of contract/agreement with CEA certified third-party waste collection agencies for safe disposal & monitoring mechanism • Site visits for Hazardous waste stores • Record of hazardous waste generation is maintained	M
c) Appropriate waste management practices (such as Collection, Monitoring and recording waste generation, Reuse, and recycling internally or externally), Provide waste to third-party for safe disposal. Consider choosing Central Environment (CEA) registered waste collecting agents must be implemented for Non-hazardous solid waste *Conformity verification* • Copy of contract/agreement with CEA certified third-party waste collection agencies for safe disposal & monitoring mechanism • Site visit for waste stores/yard • Records of Non-hazardous waste generation are maintained	C

7.8 Air Emissions	
a) Emissions to air shall not be exceeded the CEA stipulated limits to make it ensure the factory atmosphere is safe for its occupants. *Conformity verification* • Valid Environmental Protection License	M
b) Appropriate Initiatives (such as installing scrubbers, implementing a dust management plan and other suitable initiatives) must be taken to the reduction of dust and fumes emission. *Conformity verification* • Site inspections, Records relevant to the dust management activities/plan	C
7.9 Packaging	
a) Product Packaging should be complied with at least one of the following to reduce the ecological impact of the packaging stage of the product life cycle: ➢ Each material constituting >20% by weight of the total primary and secondary packaging used, must contain at least 30% recycled content by weight; or ➢ Each material constituting >20% by weight of the total primary and secondary packaging used, must be derived from Bio-Degradable materials (e.g. PLA plastics); or ➢ Each separable item constituting >20% by weight of the total primary and secondary packaging, must be recyclable in Sri Lanka. or ➢ Paper and cardboard packaging must be either certified under recognised forest certification scheme (e.g. FSC or PEFC) or contain at least 20% recycled content by weight *Conformity verification* • SDS of packing materials • Records relevant to the packaging material procurement and consumption	NC
b) The manufacturer should provide relevant environment-related information (eg: recycle material content of the product, etc) on the label/packaging of the product *Conformity verification* • Observations on the product label	NC

c) Advertisements on the product in communication media should deliver the environmental friendliness of the particular product *Conformity verification* • Observations on the product advertisements (leaflets/booklets, company profile, tv/radio advertisement, etc)	NC
d) Plastic packaging should be designed for effective recycling by avoiding materials that hinder separation, reprocessing, or recycle quality. *Conformity verification* • Packaging material specifications • Declaration of compliance with design-for-recycling criteria	NC
8. Distribution	
a) Local Transportation Transport costs should be recorded separately, and a monthly ratio of transport cost to kilograms handled should be calculated. Targets should be set using this data to support continuous yearly improvement, in order to improve efficiency and reduce costs. *Conformity verification*: • Transport cost reduction targets • Transport cost records • Monitoring reports on fuel use or emissions reduction efforts • Optimizing Transport Costs in Business Operations	NC
b) Vehicle load efficiency must be maximized to reduce the number of trips and minimize fuel consumption. *Conformity verification*: • Transport schedules and delivery logs • Load records and weight documentation	NC
c) The shortest and most efficient routes must be used to reduce travel time, emissions, and environmental impact. *Conformity verification:* • Route planning documents and maps • GPS tracking reports • Delivery route logs	C
d) Recyclable pallets and boxes must be used during transportation, and they must be cleaned and sanitized before use. *Conformity Verification record* • Procurement records • Recycling certification	C

9. Consideration of the End-of-life phase	
a) Appropriate initiatives/measures should be taken toward reducing the impact of the product's end-of-life phase by showing that; ➢ The product/packaging is recyclable at the end of its life/ elements that may prevent recycling have been avoided; or ➢ Information is provided to the user on recycling of the product/ packaging (e.g. possible options for recycling, with names of recycling facilities where possible) to minimize the amount of solid waste that ends up as land-fills *Conformity verification* • Description and proof of initiatives taken to reduce impact from usage and/or end-of-life phase of the product	NC
b) A mechanism for encouraging product take back should be implemented for recycling or safe disposal at the end of useful life and which would involve; ➢ Collection ➢ Environmentally sound treatment of the collected product ➢ Use of products & materials in the form of reuse or recycling *Conformity verification* • Details of the mechanism in place for product takeback • Quantity of reduction in product takeback	NC
10. Legal Requirements	
a) The Environmental Protection License (EPL) shall be obtained and all its requirements shall be implemented *Conformity verification* • Valid Environmental Protection License is available	M
b) All production activities and products shall comply with the requirements of the relevant national legislation in Sri Lanka *Conformity verification* • Compilation of all the applicable Environmental and other Regulations is maintained	M
c) As a prerequisite, the product shall comply with all applicable legal requirements in the country or countries where it is intended to be marketed. The applicant must provide a declaration confirming compliance with relevant national laws. *Conformity verification* • Signed declaration of compliance with applicable legal requirements Supporting documentation or certifications, where applicable	M

INSTRUCTIONS FOR USERS

This criteria document contains 64 requirements; 10 Mandatory requirements, 24 critical requirements, and 30 noncritical requirements. Marks are allocated for each criterion except Mandatory criteria. At least 70% of the total marks allocation for the criteria shall be scored by the applicant for being successful in the Eco Labelling certification process.

Requirement	Total Marks
Critical (C)	
Non-critical (NC)	

Mandatory Requirements

When the adequacy audit of the organization's application is conducted, there shall be no non-compliance related to the mandatory requirements, and if any nonconformity is reported during the adequacy audit stage or the certificate audit, a major nonconformity will be raised, and that shall be corrected within two months of the certification Audit.

Critical Requirements

If any violation of critical requirements is found during the verification visit, a minor nonconformity will be raised, and suitable corrective action shall be taken within two months.

Non-critical Requirements

If any non-compliance of non-critical requirements is found during the certification Audit, it will be considered as an observation for the improvement. The effectiveness of the corrective actions taken for the observations raised will be audited in the next surveillance audit.

Note: Until the non-conformities are addressed, the marks should not be released to the governing council, and the certificate should not be granted

APPENDIX 1
Restricted hazard classifications and their categorization

Acute toxicity	
Categories 1 and 2	Category 3
H300 Fatal if swallowed	H301 Toxic if swallowed
H310 Fatal in contact with skin	H311 Toxic in contact with skin
H330 Fatal if inhaled	H331 Toxic if inhaled
H304 May be fatal if swallowed and enters airways	EUH070 Toxic by eye contact
Specific target organ toxicity	
Category 1	Category 2
H370 Causes damage to organs	H371 May cause damage to organs
H372 Causes damage to organs through prolonged or repeated exposure	H373 May cause damage to organs through prolonged or repeated exposure
Respiratory and skin sensitization	
Category 1A/1	Category 1B
H317 May cause allergic skin reaction	H317 May cause allergic skin reaction
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
Carcinogenic, mutagenic or toxic for reproduction	
Categories 1A and 1B	Category 2
H340 May cause genetic defects	H341 Suspected of causing genetic defects
H350 May cause cancer	H351 Suspected of causing cancer
H350i May cause cancer by inhalation	
H360F May damage fertility	H361f Suspected of damaging fertility
H360D May damage the unborn child	H361d Suspected of damaging the unborn child
H360FD May damage fertility. May damage the unborn child	H361fd Suspected of damaging fertility. Suspected of damaging the unborn child
H360Fd May damage fertility. Suspected of damaging the unborn child	H362 May cause harm to breast fed children
H360Df May damage the unborn child. Suspected of damaging fertility	
Hazardous to the aquatic environment	
Categories 1 and 2	Categories 3 and 4
H400 Very toxic to aquatic life	H412 Harmful to aquatic life with long-lasting effects
H410 Very toxic to aquatic life with long-lasting effects	H413 May cause long-lasting effects to aquatic life
H411 Toxic to aquatic life with long-lasting effects	
Hazardous to the ozone layer	
H420 Hazardous to the ozone layer	

APPENDIX 2

Product type	aNBO (g/wash)	anNBO (g/wash)
Dishwasher detergents	1,00	3,00
Rinse aids	0,15	0,50

APPENDIX 3

Formulation regardless of concentration:
— Alkyl phenol ethoxylates (APEOs) and other alkyl phenol derivatives,
— Atranol,
— Chloroatranol,
— Diethylenetriaminepentaacetic acid (DTPA),
— Ethylenediaminetetraacetic acid (EDTA) and its salts,
— Formaldehyde and its releasers (e.g. 2-bromo-2-nitropropane-1,3-diol, 5-bromo-5-nitro-1,3-dioxane, sodium hydroxyl methyl glycinate, diazolidinylurea), with the exception of impurities of formaldehyde in surfactants based on polyalkoxy chemistry up to a concentration of 0,010 % weight by weight in the ingoing substance,
— Glutaraldehyde,
— Hydroxyisohexyl 3-cyclohexene carboxaldehyde (HICC),
— Microplastics,
— Nanosilver,
— Nitromusks and polycyclic musks,
— Phosphates,
— Per-fluorinated alkylates,
— Quaternary ammonium salts not readily biodegradable,
— Reactive chlorine compounds,
— Rhodamine B,
— Sodium hydroxyl methyl glycinate,
— Triclosan,
— 3-iodo-2-propynyl butylcarbamate

APPENDIX 4

The substances listed below shall not be included in the product formulation above the concentrations indicated:
— 2-methyl-2H-isothiazol-3-one: 0,0050 % weight by weight,
— 1,2-Benzisothiazol-3(2H)-one: 0,0050 % weight by weight,
— 5-chloro-2-methyl-4-isothiazolin-3-one/2-methyl-4-isothiazolin-3-one:
0,0015 % weight by weight.
The total phosphorus (P) content calculated as elemental P shall be
limited to:
— 0,20 g/wash for dishwasher detergents,
— 0,030 g/wash for rinse aids