Confederation of Indian Industry

GreenPro Ecolabelling Standard for

Paper Packaging Products

Pilot Version

Supporting Councils and Programmes

IGBC

Greenco

Confederation of Indian Industry

GreenPro Ecolabelling Standard for

“Paper Packaging Products”

Pilot Version

Copyright

Disclaimer

None of the parties involved in the creation of the GreenPro Ecolabelling, including Green Products & Services Council, its members, or the Indian government make any warranty (express or implied) or assume any liability or responsibility, to you or any third parties for the accuracy, completeness or use of, or reliance on, any information contained in the GreenPro Certification Standard, or for any injuries, losses or damages (including, without limitation, equitable relief) arising out of such use or reliance.

As a condition of use, you covenant not to sue and agree to waive and release the Green Products & Services Council, its members and the Indian government from any and all claims, demands and causes of action for any injuries, losses or damages (including, without limitation, equitable relief) that you may now or hereafter have a right to assert against such parties as a result of your use of, or reliance on, the GreenPro Ecolabelling.

The GreenPro Ecolabelling standard is applicable only for paper packaging materials and not for any other equipment of solar photovoltaic system.

Published by:

Confederation of Indian Industry
CII- Sohrabji Godrej Green Business Centre
Survey No 64, Kothaguda Post
Near HITEC City, Hyderabad - 500 084
Tel: +91 40 44185111
Fax: +91 40 44185189
www.greenbusinesscentre.com

Acknowledgement

The GreenPro Ecolabelling for Paper Packaging Products has been made possible through the efforts of Green products & Services Council and the members of technical committee on Paper Packaging Materials.

We express our gratitude to all the members who had contributed for the development of the certification. Our special thanks to **Mr S N Venkataraman, Head – Technical Committee for Paper Packaging Products and Division Head - Marketing, ITC PSPD, and the following technical committee members**:

- Mr PN Sridharr, DGM – Marketing, ITC Limited
- Mr Gautam Kedia, DGM – Marketing, ITC Limited
- Mr Akshay Kanoria, Executive Director, TCPL Packaging Ltd
- Mr Manoj Nair, DGM – Production, TCPL Packaging Ltd
- Mr Rajesh Kumar Gupta, GM Corporate Quality Assurance & System Implementation, TCPL Packaging Ltd
- Mr Arvind Sekhar, Director, Sai Printers
- Mr Hemanth Paruchuri, Director, Pragati Pack (India) Private Limited
- Mr Nilesh Jallan, Managing Director, Jallan Polypack India Pvt Ltd
- Mr K S Rajesh, AGM, TNPL
- Mr Suryanarayana Palaparthi, Chief Manager – Projects, JK Paper
- Mr Bipin Odhekar, Head - Operation and Sustainability, Marico Limited
- Dr Gaurav Madhu, Joint Director and Regional Head, Indian Institute of Packaging
- Mr M K Goyal, Secretary General, Indian Pulp and Paper Technical Associations
- Mr Chakravarthi AVPS, Global Ambassador, World Packaging Organization
- Mr Ramnath Vaidyanathan, Head - Environment Sustainability, Godrej Industries
- Ms Kavita Shukla, Manager – Sustainability, Godrej Industries
- Mr Nitin Nayar, Associate Vice President - Packaging Development, Godrej Consumer Products Ltd
- Mr Peter KA, GM - Packaging Development, Godrej Consumer Products Ltd
- Mr Karunakar Avuram, DGM – Sustainability, Godrej Consumer Products Ltd
- Mr Jikul Purohit, Sr Manager - Packaging Sustainability, Asia & ANZ, HUL
- Mr Barun Dey, Former Director - Packaging Development, Dr Reddy Laboratories
- Ms Madhumita Guha, Director, Intertek
- Ms Shalini Tyagi, Head – Food Lab, Intertek
- Mr Garish Malhotra, Lab Head – Hardline Inspection, Intertek
- Mr Vikash Bhattacharya, Manager – Hardline Inspection, Intertek
- Mr Sandip Bhushan, Technical Manager, SGS India

1. GreenPro Ecolabel – Life Cycle Approach

The GreenPro Ecolabelling scheme adopts a holistic approach based on the 'Life Cycle' of the product. The rating system encourages the product manufacturers to implement measures that would result in environmental, health and wellbeing benefits at the following stages of the life cycle of the products.

1. Product Design
2. Raw Materials
3. Manufacturing Process
4. Product Performance during use
5. Disposal / Recycling

2. Benefits

GreenPro Ecolabel benefits both the product manufacturers and the users. The benefits are both tangible and intangible.

For Product Manufacturers

Some of the benefits of GreenPro Certification for the product manufacturers are highlighted below:

1. GreenPro Ecolabel differentiates the Green Product from the competition
2. Increases the market reach out with credible and precise information on the Green features of the products
3. Enables Green Product innovation
4. Increases resources conservation through enhanced energy efficiency, water efficiency, use of renewable energy, minimization waste etc., during the manufacturing process and hence increase in profitability
5. Acts as a driver for achieving environment excellence
6. Increases export opportunity to ecolabelled products
7. Complements National & International Green Building and Green Company Certification systems

For Users

Use of GreenPro Ecolabelled paper packaging product leads to significant tangible and intangible benefits for the end users (FMCG companies).

Some of the benefits for the users are highlighted as below:

1. Recognition and credits for achieving national and international certification for the Green Factory and Green Companies

2. Contributes to achieving organizational commitments related to sustainability and green packaging
3. Time and effort in carrying out due diligence in selecting a green product by a Green Company or Green Corporate is saved
4. Ensures toxic and hazardous substances free products which in turn decrease “health and wellbeing” risks of the users

3. National Priorities addressed in GreenPro Ecolabelling Scheme

GreenPro Ecolabel addresses the following which are priorities of the Government at the National level:

Water:

Water is a major concern in most part of the country. Implementation of water efficiency measures and “zero Liquid Discharge” are being encouraged to address the water related issues.

Land:

Availability of land and increase in land pollution are major areas of concern. The ecolabelling scheme promotes circular economy by increasing recycling rate which would result in reduction in landfills and hence reduction in land pollution.

Energy Efficiency:

The ecolabelling system encourages the product manufacturers to adopt energy efficiency improvement measures and reduce their energy consumption which is in line with the National Mission on Enhanced Energy Efficiency. This provides an opportunity to users to choose more energy-efficient and sustainable products from the product basket of the producer.

Renewable Energy:

The ecolabelling scheme advocates compliance with Renewable Purchase Obligation (RPO) and encourages product manufacturers to invest in renewable power generation. This is in line with Government of India’s objective of increasing the contribution of renewable power sources.

A combination of improving energy efficiency and the use of renewable energy leads to support the government’s efforts on Climate Change issues.

4. Development of GreenPro Ecolabelling Standards

GreenPro Ecolabel applies product specific **‘Ecolabelling Standards’** for evaluating the products. The ecolabelling standards are developed with the support of respective product committees formed under the aegis of Green products and services council.

The product committee involves all major stakeholders related to the respective product category including product manufacturers, standard setters, conformity agencies, consultants, user’s *et al.* The product committee is led by an expert who is also an unbiased specifier.

Key findings of pilot projects will be incorporated in ecolabelling standard with consent from the product committee.

4.1 Features of GreenPro Ecolabel

The ecolabelling scheme follows prescriptive as well as performance based approach for evaluating a product. The ecolabelling calls for demonstration of product performance through testing as per specified standards and implementation of measures at every stage of the Life Cycle of the product, leading to clearly measurable environmental benefits.

The certification system evaluates green features for products based on various performance parameters grouped under the following Credit Modules.

1. **Product Design:** The certification necessitates the manufacturer to demonstrate its top management commitment towards environmental performance improvement of the product.
2. **Product Performance:** The required performance parameters of the product need to be demonstrated through product testing as per the specified standards.
3. **Raw Materials:** The certification demands for efforts to bring down the use of virgin materials through recycling and elimination of toxic and hazardous content in the input materials for product manufacturing.
4. **Manufacturing Process:** The green product Certification recognizes the efforts taken by the product manufacturer to reduce the resource consumption during the manufacturing process
5. **Waste Management:** The certification calls for efforts to minimize the wastes or safer disposal of the wastes generated during manufacturing process.
6. **Life Cycle Approach:** The certification encourages the product manufacturer to carry out Life cycle analysis for the products and implement measures based on the impact analysis.
7. **Product Stewardship:** The certification recognizes the measures implemented by the product manufacturers to reduce environmental and health impacts in product transportation, use and recycling / product disposal
8. **Innovation:** The certification recognizes the innovative measures implemented by the product manufacturers which had resulted in substantial reduction in environment impact exceeding the threshold level specified in the certification standard.

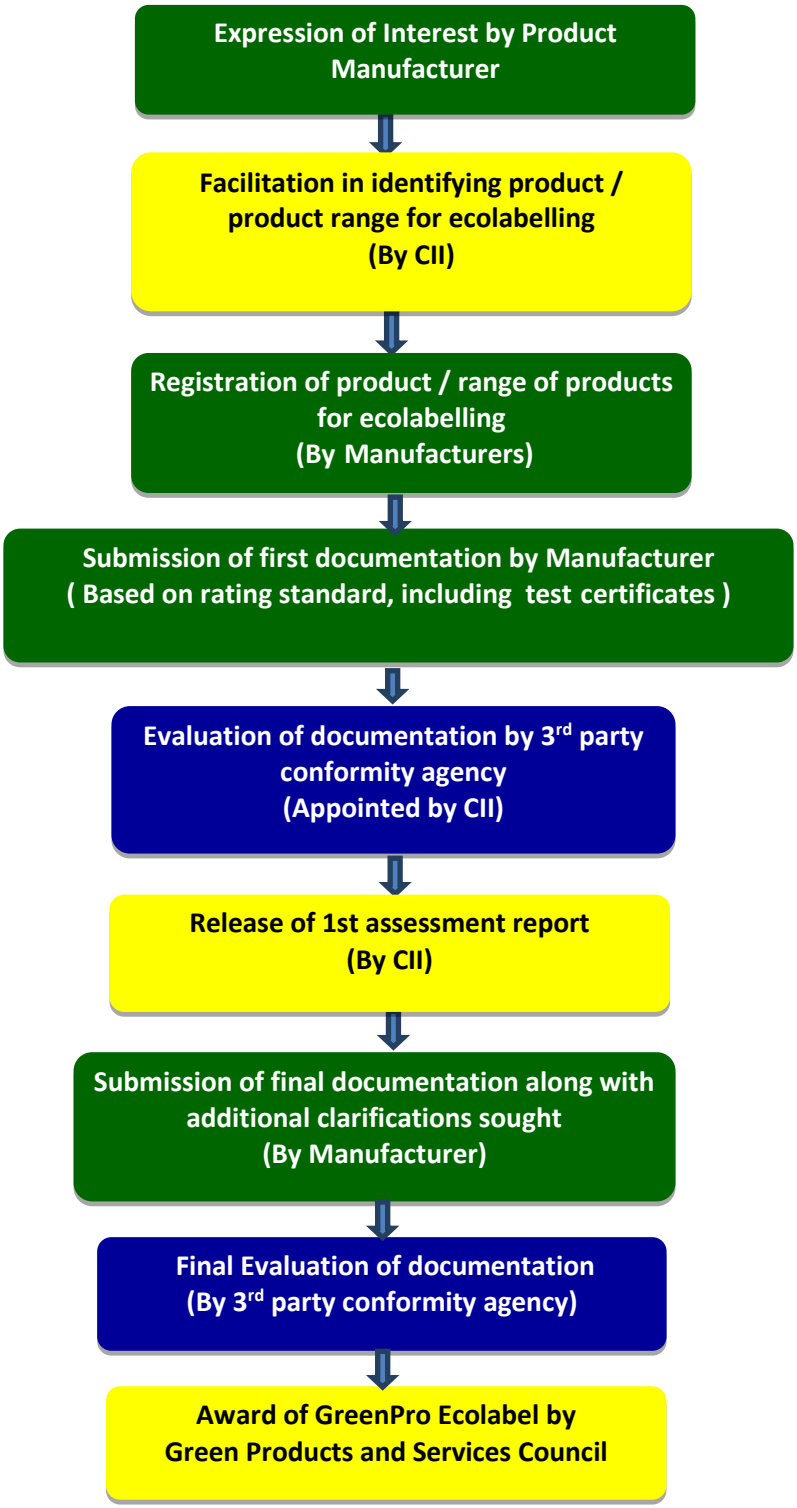
The approach and the credit modules for evaluation of products remain by and large the same for all the product categories. However, the credits as part of the individual credit modules and the weightage will vary depending upon the product categories and their significance.

A product needs to comply with certain specified mandatory requirements. The mandatory requirements will vary depending upon the product category.

The threshold limit of all the credits is 100. The product manufacturers can apply for the credits depending upon the applicability and gain credit points for the certification.

5. *Methodology of Ecolabelling*

The step by step methodology for the ecolabelling is mentioned below.



5.1 Product Testing

The GreenPro Ecolabelling scheme calls for testing of select product parameters for the award of certification. The product parameters will vary depending upon product categories. Wherever testing of the products is specified, the certification system also specifies the testing standards and the requirements.

The product manufacturers can carry out the product testing in any of the Laboratories accredited by the **National Accreditation Board for Testing and Calibration Laboratories (NABL)** according to the specified standards and produce the test certificates with the test results for further evaluation.

If the product testing has been already carried out in an NABL accredited laboratory owned by the product manufacturer, the product manufacturer has to submit the details of the test procedures & methodology for verification.

If the product testing needs to be carried out outside the country, the laboratory should have been accredited by the accrediting agency recognized by the Government of the respective country or an accrediting agency which is a member of international bodies such as International Laboratory Accreditation Co-operation (ILAC), Asia Pacific Laboratory Accreditation Co-operation (APLAC) etc.

5.2 Evaluation by 3rd party Conformity Agency

The document submitted by the product manufacturer will be evaluated by a 3rd party conformity agency appointed by CII-Godrej GBC.

Conformity agency is a competent 3rd party agency for carrying out product conformity assessment for various products which would involve product testing, inspection, factory audits and documentary review.

6. GreenPro Ecolabel

A product will be certified depending upon the number of credit points achieved based on the evaluation of 3rd party conformity agency.

The maximum achievable credit points are 100. A product will be ecolabelled as 'Green Product' if it achieves 50 or more credit points in the evaluation.

7. Validity of the Ecolabel

GreenPro Ecolabel is valid for 2 years from the date of award of the ecolabel with a yearly review for the product / product range. At the end of the validity period, the product manufacturer needs to apply for the renewal of the GreenPro Ecolabel.

8. Fee for GreenPro Ecolabelling

The fee details are available on GreenPro website https://ciigreenpro.com/. The fee details can also be obtained through the contact details mentioned in the manual.

9. Updation of the Standard

GreenPro Ecolabelling Standard for Paper Packaging Material is the result of Green Product and Services council's efforts towards facilitating market transformation in Green Products. The council's endeavor is to periodically update the standard and raise the bar.

The updating of the standard will be taken up with the support of the product committee on consensus basis. Updates or addenda will be incorporated and formally communicated to the applicants.

Summary of Credits & Points Distribution

Credits	*Criteria*	*Credit Points*
1	**Product Design**	**5**
Credit 1.1	**Eco-vision Statement**	
	Strategies adopted, environment improvement measures / green measures implemented	
	➢ At design stage of the product	2
	➢ At manufacturing stage of the product	2
	➢ ISO 14001 certified manufacturing unit	1
2	**Product Performance**	**30**
Credit 2.1	**Recyclability**	**15**
	• Carry out repulpability test in a NABL accredited third party laboratory • Fibre yield shall be from o Pre-consumer waste: 90% o Postconsumer waste: 80%	
Credit 2.2	**Light Weight**	**10**
	Improvement in volume to weight ratio (V/W)	
	1 to 3%	3
	3 to 5%	6
	> 5%	10
Credit 2.3	**Compostability**	**5**
	Packaging material shall conform to ASTM D6868 standard for Biodegradability.	
3	**Raw Materials**	**25**
Credit 3.1	**Sustainable Paper Board**	10
	• Use of paper board made of recycled materials / rapidly renewable materials / responsibly sourced (FSC / PEFC) materials o 25% to 100%	
Credit 3.2	**Printing Ink and Adhesives**	10
	• Sum of concentrations of heavy metals shall not exceed 500 PPM a) ISO 3856: Determination of soluble metal content by flame atomic absorption spectrometric method • Concentration of phthalates shall not exceed 1000 PPM a) DEHP, DBP, BBP, DINP, DIDP, and DnOP b) ISO 14389:2014 specifies a method of determining phthalates with gas chromatography-mass spectrometry	

	• Adhesives should be easily recyclable in conventional paper mill pulping and waste recovery systems	
Credit 3.3	**Lamination and Coatings**	**5**
	It shall be easily separable lamination or coating	3
	Use of biodegradable materials	2
4	**Manufacturing Process**	**15**
Credit 4.1	**Energy Efficiency**	5
	Conduct detailed energy audit at regular interval (once in 3 years) and implement energy conservation measures	
	Specific Energy Consumption (SEC)	
	Reduction in specific energy consumption ≥ 5%	1
	Reduction in specific energy consumption ≥ 10%	3
	Reduction in specific energy consumption ≥ 15%	5
Credit 4.2	**Water Efficiency**	5
	Carryout water audit at regular interval (once in 3 years) and implement low cost water conservation measures	
	Specific Water Consumption (SWC)	
	Reduction in specific water consumption ≥ 5%	1
	Reduction in specific water consumption ≥ 10%	2
	Reduction in specific water consumption ≥ 15%	4
	Rainwater Harvesting System	1
Credit 4.3	**Renewable Energy**	5
	On-site and offsite renewable energy generation	
	≥ 5% of total annual energy consumption	1
	≥ 10% of total annual energy consumption	3
	≥ 15% of total annual energy consumption	5
5	**Waste Management**	**10**
Mandatory Requirements	• Compliance to local / regional / national regulations	
Credit 5.1	**Non Hazardous Waste**	
	≥ 10% reduction in disposal of waste per unit of production	1
	≥ 20% reduction in disposal of waste per unit of production	3
	≥ 30% reduction in disposal of waste per unit of production	5
Credit 5.2	**Hazardous Waste (Solid and Liquid)**	
	≥ 5% reduction in disposal of waste per unit of production	1
	≥ 10% reduction in disposal of waste per unit of production	3
	≥ 15% reduction in disposal of waste per unit of production	5
6	**Product Stewardship**	**10**
Credit 6.1	**Stakeholder Education and Awareness**	**2**

Credit 6.2	**Quality Management System**	**2**
Credit 6.3	**Extended Producer Responsibility**	**6**
	Institute a mechanism for collection and sending back the post-consumer waste for recycling	
7	**Innovation**	**5**
Credit 7.1	**Innovation and Awards**	
	• Achieve significant and measurable environmental performance using a strategy not addressed in the GreenPro standard • Any measure exceeding the threshold of the credits that are applicable for exemplary performance • Credentials, awards and accolades related to energy and environmental performance improvement	5
	Total Points	**100**

GREENPRO ECOLABELLING STANDARD FOR PAPER PACKAGING PRODUCTS

Mandatory Requirements

For a product to be taken up for GreenPro Ecolabelling, the manufacturer shall comply with the applicable acts & rules related to environment and health & safety. Provide copies of:

a) Valid certificate of consent to operate the plant by the local Municipal Corporation.
b) Valid consent to operate under the Water (Prevention & Control of pollution) Act & Air (Prevention & Control of pollution) Act
c) Valid authorization under the hazardous waste (management, handling & trans-boundary movement) rules
d) Data to demonstrate continued compliance with the requirements of (a) to (c)

1.0 Product Design

Credit 1.1: Eco-Vision Statement — Points: 5

Intent

To design the product holistically considering all the environmental attributes, so as to minimize associated impacts.

Award of Points

Provide the details of the eco-vision to action as per the following for achieving excellence in design of the products that would result in environmental, health and well-being benefits.

- Eco-vision statement
- Strategies adopted, resource allocation, stakeholder engagement, improvement measures/green measures implemented
    - At design stage
    - At manufacturing stage

Credits	Criteria	Credit Points
1	**Product Design**	
Credit 1.1	**Eco-vision Statement**	
	Strategies adopted, environment improvement measures / green measures implemented	
	➢ At design stage of the product	2
	➢ At manufacturing stage of the product	2
	➢ ISO 14001 certified manufacturing unit	1
Sub Total		**5**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Eco-vision statement (Policy on sustainability / energy / environment).
2. Strategies adopted at design & manufacturing stage to achieve eco-vision.
    - Resource allocation for improving the design and manufacturing of the product
    - Details of employees and stakeholders engagement
3. Details of measures implemented at design stage and manufacturing stage of product with quantification of benefits.

2.0 Product Performance

Credit 2.1: Recyclability — Points: 15

Intent

Design and manufacture packaging products with increased recyclability to promote circular economy.

Award of Points

Carry out repulpability test as per TAPPI method to quantify the fibre yield from paper packaging products.

Credits	Criteria	Credit Points
2	**Product Performance**	
Credit 2.1	**Recyclability**	

	• Carry out repulpability test by TAPPI method
	• Fibre yield shall be from
	  ○ Pre-consumer waste: 90%
	  ○ Postconsumer waste: 80%.
		15

Sub Total		**15**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Test report from a NABL accredited third party laboratory for the fibre yield from paper packaging products

Credit 2.2: Light Weight — Points: 10

Intent

Increase volume to weight ratio of packaging products to reduce consumption of raw materials.

Award of Points

Credits	Criteria	Credit Points
2	**Product Performance**	
Credit 2.2	**Light Weight**	
	Improvement in volume to weight ratio (V/W) of packaging products on a year – on – year basis	
	> 1% to < 3%	3
	> 3% to < 5%	6
	> 5%	10
Sub Total		**10**

Exemplary Performance

This credit is eligible for exemplary performance under Innovation Credit, if the improvement is greater than 10%.

Documentation Required

1. Details of volume to weight ratio (V/W) on a year – over – year basis for last three years
2. Narrative on measures implemented by the manufacturer to improve volume to weight ratio

Credit 2.3: Compostability — Points: 5

Intent

Design and manufacture packaging products with raw materials that are biodegradable so that at the end of life, the product can be composted for utilization of bio-nutrients.

Award of Points

Carry out compostability test as per ASTM D6868 standard for Biodegradability.

Credits	Criteria	Credit Points
2	**Product Performance**	
Credit 2.3	**Compostability**	
	Packaging product shall conform to ASTM D6868 standard for Biodegradability.	5
Sub Total		**5**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Test report from a NABL accredited laboratory conform to compostability of paper packaging products as per specified or equivalent standard.

3.0 Raw Materials

Credit 3.1: Sustainable Paper Board — Points: 10

Intent

Encourage use of sustainable paper boards made of recycled materials / rapidly renewable materials[1] / responsibly sourced materials[2] for reducing deforestation.

Award of Points

Use minimum 25% of sustainable paper board, by weight on annual basis.

Credits	Criteria	Credit Points
3	**Raw Materials**	
Credit 3.1	**Sustainable Paper Board**	
	≥ 25% of annual paper board consumption	2
	≥ 40% of annual paper board consumption	4
	≥ 55% of annual paper board consumption	6
	≥ 70% of annual paper board consumption	8
	≥ 85% of annual paper board consumption	10
Sub Total		**10**

Exemplary Performance

This credit is eligible for exemplary performance under Innovation Credit, if sustainable paper board utilization is 100% by weight.

Documentation Required

1. Recycled Paper Board
   - Annual consumption of paper board and sustainable paper board made of recycled materials for last two years.
   - Supporting documents for recycled materials use such as declaration from paper board supplier highlighting % of recycled content and source of recycled content for making pulp.

2. Rapidly Renewable Materials
   - Annual consumption of paper board and sustainable paper board made of rapidly renewable materials for last two years.
   - Supporting documents for rapidly renewable materials use such as declaration from paper board supplier highlighting type of wood used for making pulp.

3. Responsibly Sourced Materials
   - Annual consumption of paper board and sustainable paper board made of responsibly sourced materials for last two years
   - Supporting documents for responsibly sourced materials use such as FSC / PEFC certificate from paper board supplier.

Note:

[1] Rapidly renewable materials are bio-based materials such as bamboo, eucalyptus, etc., that take 10 years or less to harvest.

[2] Responsibly sourced materials are FSC or PEFC certified materials.

Credit 3.2: Printing Ink and Adhesives Points: 10

Intent

Eliminate / restrict use to hazardous substances that can lead to long-term health effects through either respiration / direct contact.

Award of Points

The concentration of hazardous substance shall be limited to the threshold specified by GreenPro.

Credits	Criteria	Credit Points
3	**Raw Materials**	
Credit 3.2	**Elimination of Hazardous Substances**	
	The concentration level of hazardous substances such as heavy metals and phthalates shall not exceed the following thresholds: • Sum of concentrations of heavy metals shall not exceed 500 PPM a) ISO 3856: Determination of soluble metal content by flame atomic absorption spectrometric method • Concentration of phthalates shall not exceed 1000 PPM a) DEHP, DBP, BBP, DINP, DIDP, and DnOP b) ISO 14389:2014 specifies a method of determining phthalates with gas chromatography-mass spectrometry • Adhesives should be easily recyclable in conventional paper mill pulping and waste recovery systems	10
Sub Total		**10**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Test reports from printing ink supplier as per specified standard or GreenPro Ecolabelled printing ink.
2. Test report from adhesive supplier supporting that the adhesives are water based and hydrophobic in nature

Credit 3.3: Lamination and Coatings — Points: 5

Intent

Encourage manufacture to use easily separable and biodegradable lamination / coating to increase recyclability of the packaging materials at the end of life.

Award of Points

Credits	Criteria	Credit Points
3	**Raw Materials**	
Credit 3.3	**Lamination and Coatings**	
	Use of easily separable lamination or coating	3
	Use of biodegradable materials	2
Sub Total		**5**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Declaration by the manufacturer highlighting use of easily separable lamination and biodegradable coating
2. Details of easily separable lamination and biodegradable coatings (test report, MSDS sheet, etc.,)

4.0 Manufacturing Process

Credit 4.1: Energy Efficiency — Points: 5

Intent

Improve energy efficiency in the manufacturing process of paper packaging products to reduce environmental impacts.

Award of Points

Conduct detailed energy audit to identify energy efficiency measures. Prior to implementation of identified energy efficiency measures, establish specific energy consumption of the plant and monitor energy consumption on a continuous basis, to evaluate energy performance improvement.

Credits	Criteria	Credit Points
4	**Manufacturing Process**	
Credit 4.1	**Energy Efficiency**	
	Conduct detailed energy audit at regular interval (once in 3 years) and implement energy conservation measures	
	Specific Energy Consumption (SEC)	
	Reduction in specific energy consumption ≥ 5%	1
	Reduction in specific energy consumption ≥ 10%	3
	Reduction in specific energy consumption ≥ 15%	5
Sub Total		**5**

Exemplary Performance

This credit is eligible for exemplary performance under Innovation Credit, provided, the measures implemented for reducing the energy consumption have exceeded the specified threshold limits.

Documentation Required

1. Details of annual production, energy consumption & specific energy consumption for the preceding 3 years
2. Details of energy efficiency improvement measures implemented with actual benefits achieved

Credit 4.2: Water Efficiency — Points: 5

Intent

Incorporate water conservation measures in domestic water use to reduce potable water demand at manufacturing facility.

Award of Points

Implement water efficiency measures such as use of low flow plumbing fixtures, reuse of treated water from onsite treatment plant and etc., to reduce specific water consumption.

Provide rainwater harvesting system to manage 95% of runoff from roof and non-roof areas of the manufacturing unit by reusing the collected rainwater runoff for gardening and flushing application or recharging ground water aquifers through percolation pits.

Credits	Criteria	Credit Points
4	**Manufacturing Process**	
Credit 4.2	**Water Efficiency**	
	Specific Water Consumption (SWC)*	
	Carryout water audit at regular interval (once in 3 years) and implement low cost water conservation measures	
	Reduction in specific water consumption ≥ 5%	1
	Reduction in specific water consumption ≥ 10%	2
	Reduction in specific water consumption ≥ 15%	4
	*Note: * Focus on reducing domestic water consumption*	
	Rainwater Harvesting System	1
Sub Total		**5**

*Recycling of water can be factored into the reduction in specific water consumption

Exemplary Performance

This credit is eligible for exemplary performance under Innovation, if the facility achieves the status of “Zero Liquid Discharge”.

(OR)

The reduction in specific water consumption exceeded the threshold provided above.

Documentation Required

3. Details of annual production, water consumption & specific water consumption for the preceding 3 years
4. Details of rain water harvesting system capacity and quantity of water harvested annually

Credit 4.3: Renewable Energy Points: 5

Intent

Encourage the use of onsite and off-site renewable energy to reduce the dependence on fossil fuels and their associated environmental impacts

Award of Points

Install onsite and off-site renewable energy system to offset energy generated by burning fossil fuels.

Credits	Criteria	Credit Points
4	**Manufacturing Process**	
Credit 4.3	**Renewable Energy**	
	On-site and offsite renewable energy for meeting their energy requirements	
	≥ 5% of annual electricity consumption	1
	≥ 10% of annual electricity consumption	3
	≥ 15% of annual electricity consumption	5
Sub Total		**5**

Exemplary Performance

This credit is eligible for exemplary performance under Innovation Credit, if the contribution from the renewable energy sources is 50% of annual energy consumption of the manufacturing facility.

Documentation Required

1. Details of onsite and offsite renewable energy system such as capacity, technology, location and etc.
2. Details of total energy consumption in the manufacturing facility and renewable energy generated and consumed in kWh.

5.0 Waste Management

Mandatory Requirement

Intent

Ensure the solid, liquid and gaseous waste discharged from the manufacturing unit are complying with all applicable local / regional / national regulations.

Requirement

The manufacturing unit shall have environmental clearance from state pollution control board.

Documentation Required

- Consent to operate under ‘Air Act’ and ‘Water Act’, and authorization under the hazardous waste (Management, Handling and Transboundry Movement) from state pollution control board.

Credit 5.1: Hazardous Waste — Points: 5

Intent

Encourage the manufacturer to implement appropriate handling and disposal of hazardous waste generated during manufacturing process, thereby reduce the environmental impacts.

Award of Points

Minimize hazardous waste generation and the waste sent to landfill or incineration by 3R principle (Reduce, Reuse and Recycle). Segregate hazardous waste into recyclable and non-recyclable waste.

Maximize utilization of recyclable waste at site or through external recycling agency and reduce non-recyclable waste generation.

Credits	Criteria	Credit Points
5	**Waste Management**	
Credit 5.1	**Hazardous Waste**	
	≥ 5% reduction in disposal of waste per unit of production	1
	≥ 10% reduction in disposal of waste per unit of production	3
	≥ 15% reduction in disposal of waste per unit of production	5
Sub Total		**5**

Exemplary Performance

This credit is eligible for exemplary performance under Innovation Credit, if 50% of hazardous waste generated is reused / recycled through innovative methods.

Documentation Required

1. Details of hazardous waste management process exist at manufacturing unit
2. Details of hazardous waste generated and disposed (quantity, reused, recycled, incinerated, etc.,) for the preceding 3 years.
3. Details of the waste handed over to local authority approved common Hazardous Waste Treatment Storage and Disposal Facility (TSDF) for the preceding 3 years.

Credit 5.2: Non Hazardous Waste — Points: 5

Intent

Encourage the manufacturer to implement appropriate handling and disposal of non hazardous waste generated during manufacturing process, thereby reduce the environmental impacts.

Award of Points

Minimize non hazardous waste generation and the waste sent to landfill or incineration by 3R principle (Reduce, Reuse and Recycle). Segregate non hazardous waste into recyclable and non-recyclable waste.

Maximize utilization of recyclable waste at site or through external recycling agency and reduce non-recyclable waste generation.

Credits	Criteria	Credit Points
5	**Waste Management**	
Credit 5.2	**Non Hazardous Waste**	
	≥ 10% reduction in disposal of waste per unit of production	1
	≥ 20% reduction in disposal of waste per unit of production	3
	≥ 30% reduction in disposal of waste per unit of production	5
Sub Total		**5**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

1. Details of non hazardous waste management process exist at manufacturing unit
2. Details of non hazardous waste generated and disposed (quantity, reused, recycled, incinerated, etc.,) for the preceding 3 years.
3. Details of external recycler engaged for recycling non hazardous waste for the preceding 3 years.

6.0 Product Stewardship

Product stewardship advocates that all those involved in the life cycle of product must share responsibility for reducing its health and environmental impacts with producers bearing prime responsibility.

In the GreenPro Ecolabelling standard, Product Stewardship credit focuses on the following:

- Education and awareness program for the stakeholder on Green Products for reaping the intended benefits.
- Quality Management System (QMS) for minimizing the rejection rate after product dispatch.
- Extended producer responsibility to increase recycling rate and safer disposal at the end of product life.

The credit points are allotted for the focus areas as applicable for the individual product categories. In case of paper packaging products, all the three aspects such as stakeholder education and awareness, Quality Management System (QMS) for minimizing rejections after dispatch of products and extended producer responsibility are considered.

Credit 6.1: Stakeholder Education and Awareness Points: 2

Intent

Educate those involved in handling the product at every stage post-dispatch, so as to reap the intended environmental benefits of the green product.

Award of Points

Paper packaging product manufacturer to develop and implement stakeholder specific awareness and information sharing programs for reaping the benefits of Green Products at every stage after dispatch of the product.

Credits	Criteria	Credit Points
6	**Product Stewardship**	
Credit 6.1	**Stakeholder Education and Awareness**	
	> 10% of people involved in handling the product after dispatch and users	1
	> 20% of people involved in handling the product after dispatch and users	2
Sub Total		**2**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

- Details of the stake holders specific awareness or information dissemination programmes about the Green Products, its features and their roles to reap the intended benefits
- Estimation of % of stakeholders covered on education and awareness program

Credit 6.2: Quality Management System Points: 2

Intent

Reduce rejection / failure rate of paper packaging materials after dispatch by implementing effective quality management system.

Award of Points

Establish a Quality Management System (QMS) for monitoring the quality of the product after dispatch till use and identifying root causes. Develop corrective action and preventive action plan to reduce rate of rejection / failure after dispatch.

Credits	Criteria	Credit Points
6	**Product Stewardship**	
Credit 6.2	**Quality Management System**	
	Minimization rejection / failure rate of paper packaging products after dispatch	2
Sub Total		**2**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

- Details of Quality Management System implemented to bring down the rejection / failure rate after the dispatch of the product.
- Details of rejection / failure rate analysis carried out by the plant team.

Credit 6.3: Extended Producer Responsibility Points: 6

Intent

Encourage manufacturers to institute a mechanism for product take-back for recycling of paper packaging product at the end of useful life.

Award of Points

Establish a mechanism for product take-back at the end of life to promote circular economy by reusing or recycling them. Inventory on extended producer responsibility shall be maintained by the plant team to monitor the quantity of used products sent for recycling / safe disposal.

Manufacturer shall employ an environmentally friendly method to dispose of products that cannot be reused or recycled. The disposal method must comply with applicable acts & rules of the country.

Credits	Criteria	Proposed Credit Points
6	**Product Stewardship**	
Credit 6.3	**Extended Producer Responsibility**	
	Institute a system for product take-back at the end of life for recycling it in same supply chain or low-grade product's supply chain	6
Sub Total		**6**

Exemplary Performance

This credit is not eligible for exemplary performance under Innovation Credit.

Documentation Required

- Details of mechanism adopted for product take-back at organization level.

7.0 Innovation

Credit 7.1: Innovation and Awards — Points: 5

Intent

Recognize initiatives that are not addressed in GreenPro Ecolabelling scheme but have a profound impact in protecting the environment

Award of Points

As part of the credit, the product manufacturer can apply for maximum five innovative measures. If the implemented measures meet any one of the following criteria can be considered as an innovative measure,

- Achieve significant and measurable environmental performance using a strategy not addressed in the GreenPro standard
- Any measure exceeding the threshold of the credits that are applicable for exemplary performance
- Credentials, awards and accolades related to sustainability, energy and environmental performance improvement

Credits	Criteria	Credit Points
7	**Innovation**	
Credit 7.1	**Innovation and Awards**	
	• Achieve significant and measurable environmental performance using a strategy not addressed in the GreenPro standard • Any measure exceeding the threshold of the credits that are applicable for exemplary performance • Credentials, awards and accolades related to sustainability, energy and environmental performance improvement	5
Sub Total		**5**

Documentation Required

1. Details of innovative measures implemented highlighting the intent and benefits achieved.

About CII

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes. CII is a non-government, not-for-profit, industry-led and industry managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has around 9000 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from around 265 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

About GPSC

The Green Products and Services Council was formed by CII-Sohrabji Godrej Green Business Centre, CII's Developmental Institute on Green Practices and Businesses. The objective of the council is to facilitate Green Product Market Transformation in India. The council is committee-based, member driven and consensus focused. The council involves all major stakeholders including Government, Product Manufacturers, Standard Developers, Conformity Agencies, Product Testing Laboratories and Academia.

The Green Products and Services Council presently offers GreenPro Certification which is a Type -1 Eco-label for Green Building Products, Materials and Technologies. The standards are developed based on consensus by Technical Committees involving all major stakeholders. The GreenPro certification has been accredited by Global Ecolabelling Network (GEN) based on international standard ISO 14024.

For further details, please contact:

Confederation of Indian Industry
CII-Sohrabji Godrej Green Business Centre
Survey No 64, Kothaguda Post, R.R. Dist., Near HITEC City, Hyderabad - 500 084
Tel: +91 40 44185111 Fax: +91 40 44185189

S Karthikeyan
+91 98400 02983

Dhanarasu K
+91 8883627967