



# **SEA's Initiative Towards Sustainability**

**Haresh Vyas, Convener**

**World Sustainable Castor Standard**

**at**

**Global Castor Conference 2024, Ahmedabad**

**23<sup>rd</sup> February 2024**



# The Solvent Extractors' Association of India (SEA)

The Premier Association of Vegetable Oil & Trade of India



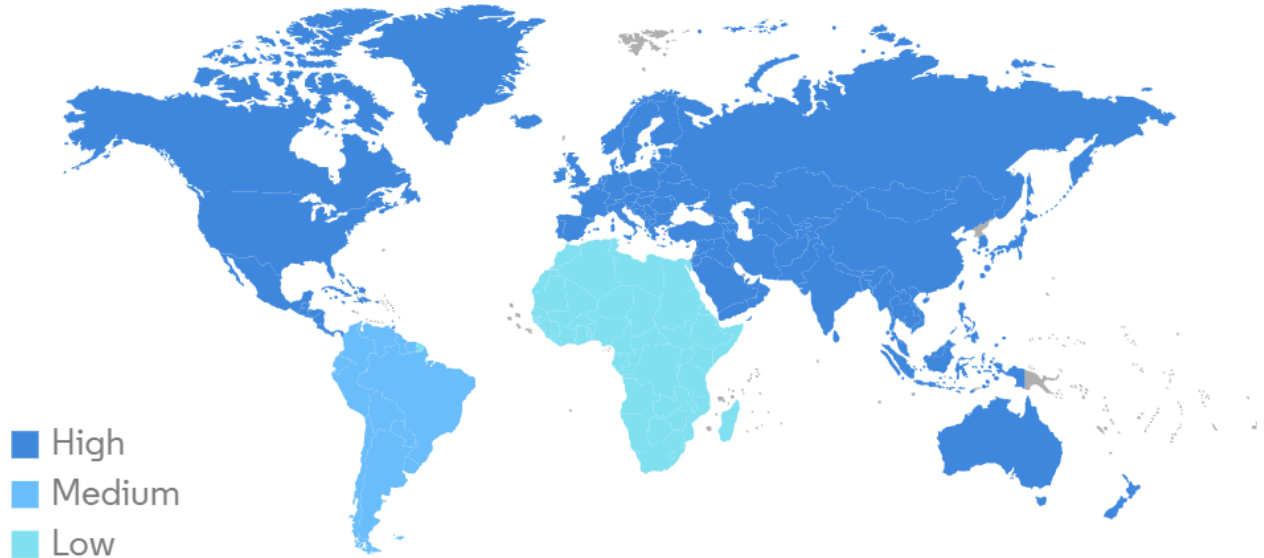
- ❑ **Formed in 1963** to foster the development & growth of the Solvent Extraction (Crushers) & Vegetable Oil Industry in India
- ❑ Largest and Premier Association in the Vegetable Oil Sector in India – **over 700 members** across the country includes Oilseed Crushers, Refiners, Importers, Exporters and Service Providers
- ❑ All Major Crushers of Castor-seed and Exporters of Castor Oil and derivatives from India are members of the Association.
- ❑ First Association in Vegetable Oil & Oilseed sector to receive ISO 9001 Certification in India (2004), **now upgrade to ISO 9001 : 2015.**
- ❑ SEA has signed a MoU with NOPA (U.S.A.), COPA (Canada), USSEC (U.S.A.) and PORAM (Malaysia), Solidaridad, ITC (Geneva), UOSPA (Uganda), TAPUSA (Tanzania), MPOC & MPOB (Malaysia), Indonesian Palm Oil Board (IPOB, Indonesia) and CIARA (Argentina) for mutual co-operation.
- ❑ SEA is the part **of International Association of Ricebran Oil, International Sunflower Oil Association and Asian Palm Oil Alliance**
- ❑ Recognised by Ministry of Agriculture and TPO by Ministry of Commerce, Government of India
- ❑ **ITC, Geneva (United Nation) has recognized SEA as the Best & Successful Model Association**



# SEA's Global Presence in Vegetable Oils Sector



SEA has a global presence in the vegetable oil sector through regional as well as cross-country cooperations, enabling trade policies and promotion of sustainability



Source: Mordor Intelligence



# SEA'S Efforts & Initiatives towards Sustainability In Vegetable Oil Supply Chains



## THREE PRONGED FOCUS



**SOCIO-ECONOMIC  
PROGRESS**



**BALANCE WITH  
NATURE**



**INCLUSIVITY**



# IPOS – Indian Palm Oil Sustainability Framework



# IPOS – Indian Palm Oil Sustainability Framework



INDIAN PALM OIL SUSTAINABILITY FRAMEWORK WHICH IS BY AND FOR THE SOLVENT INDUSTRY OF INDIA

FIRST IPOS AUDIT CERTIFICATE AWARDED TO GODREJ AGROVET LTD. IN 2019





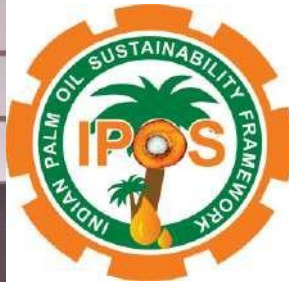


# SEA – IPOS Council



**The SEA – IPOS Council is managed by SEA. The council has following functions**

- ❑ Provides India's Own Sustainability Benchmark to the Indian Industry for Sustainable Procurement/Uptake
- ❑ Support in Promoting Sustainable Palm Oil Consumption in India and collaboration with Malaysian & Indonesian Agencies
- ❑ Coordinates With other National Sustainability Standards to Discuss about Sustainable Palm Oil Production and Trade in Asia
- ❑ Facilitate alignment between the Asian sustainability standards (IPOS - MSPO/ISPO) on sustainable palm oil production and trade in Asia & cross-country cooperation for sustainable palm oil





# Supporting Malaysian Government's Agenda towards Sustainable Palm Oil



- Together with Solidaridad and MPOB accelerating the process of MPSO towards more sustainable and inclusive palm oil sector
- Facilitating implementation of Sustainable Palm Oil (MSPO) practices by Independent Smallholders







# India- Indonesia Joint Working Committee for Sustainable Palm Oil Production & Trade







# India Recognizes MSPO & ISPO



**INDIA IS THE FIRST COUNTRY IN THE WORLD TO RECOGNISE MSPO & ISPO as  
EQUIVALENT TO ITS NATIONAL PALM OIL SUSTAINABILITY STANDARD**



# ASIAN PALM OIL ALLIANCE

Solidaridad



Bangladesh



Nepal



India



Sri Lanka



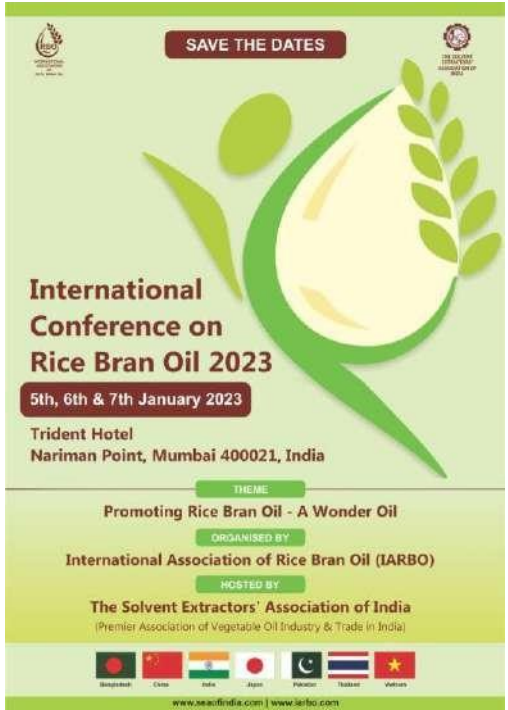
Pakistan



- ❑ The Apex Vegetable Oil Associations from 5 South Asian Countries Form Asian Palm Oil Alliance (APOA)
- ❑ An Alliance of apex vegetable oil associations from India, Bangladesh, Pakistan, Sri Lanka and Nepal. Solidaridad would be the *Sustainability Partner*
- ❑ The headquarters of APOA is to be in Mumbai (India) at the premises of the Solvent Extractors Association of India.



**SEA along with Ricebran Oil producing countries viz. Japan, China, Thailand and Vietnam formed an International Association of Ricebran Oil (IARBO) to promote virtue of Ricebran Oil World over.**





# **SEA's Association with National and International Bodies/Associations**



- **Canadian Oil Processors Association (COPA), Canada.**
- **National Oilseeds Processors' Association (NOPA), USA.**
- **U.S. Soybean Export Council (USSEC).**
- **The Palm Oil Refiners Association of Malaysia (PORAM), Malaysia.**
- **The International Trade Centre (ITC), Geneva, Switzerland.**
- **Solidaridad Network Asia Limited (SNAL), Hong Kong.**
- **The Uganda Oil Seed Producers and Processors Association (UOSPA), Uganda.**
- **The Tanzania Sunflower Processors Association (TASUPA), Tanzania.**
- **The Chamber of Vegetable Oil Processors of Argentina (CIARA), Argentina**
- **Malaysian Palm Oil Council (MPOC), Malaysia**
- **Malaysian Palm Oil Board (MPOB), Malaysia**
- **The Brazilian Association of Vegetable Oil Industries (ABIOVE)**
- **Confederation of Indian Industry (CII), New Delhi.**
- **Federation of Indian Export Organisation (FIEO). New Delhi.**
- **The Associated Chambers of Commerce and Industry of India (ASSOCHAM),New Delhi.**
- **Federation of Indian Chambers of Commerce & Industry (FICCI), New Delhi.**
- **IMC Chambers of Commerce & Industry, Mumbai.**
- **The Central Organisation for Oil Industry & Trade (COOIT), New Delhi.**
- **Oil Technologists' Association of India (OTAI), Kanpur / Mumbai.**
- **Maharashtra Chamber of Commerce Industry & Agriculture (MACCIA), Mumbai.**





# **SEA'S Efforts towards Sustainability in Castor Production & Trade**

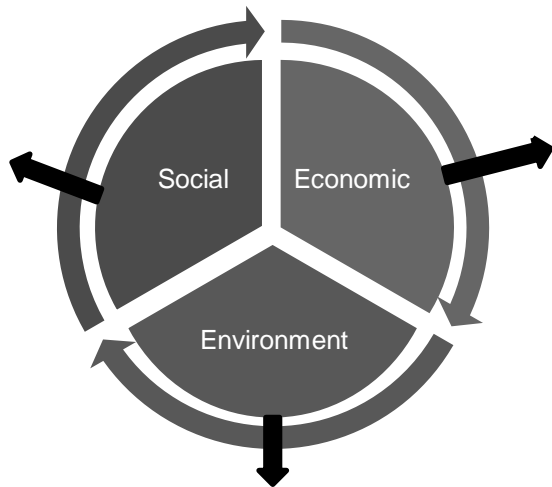
**World Sustainable Castor Standards  
by  
World Castor Sustainability Forum**



# Sustainability in Castor Production

## Community Well-being

- Promotion of gender-equity and women in agriculture
- Workers welfare and safety
- Enabling environment for fair wages
- No child labor



## Economic self-sufficiency and livelihoods of smallholder producers

- Improved productivity and reduction in cost of cultivation
- Initiating Eri silk warm project on castor leaves
- Training and capacity building of farmers on sustainable and modern farm practices
- Integrated Pest Management (IPM), Integrated Nutrient Management (INM) and Safe Use of Crop Protection Products
- Post Harvest Management Practices

## Promotion of Sustainable and Eco-friendly agricultural practices through the concept of SWAS (BREATHE)

**S – SOIL**

**W – WATER**

**A – AIR**

**S - SUN**

- Promotion of low-chemical uses and climate smart agricultural practices
  - Efficient use of water resources and maintaining soil fertility
    - Adoption of good waste management practices
      - Bio-Diversity and Energy Management
      - Waste & Pollution Management
  - Ecological Balance and Tracing the Carbon footprint.



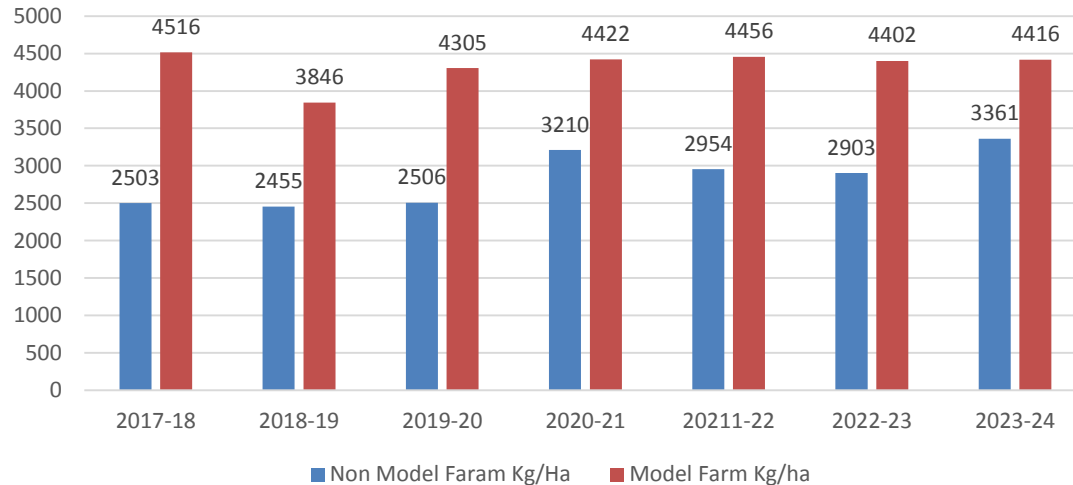
# SEA Sustainable Castor Model Farms



8 years of SEA Castor Model Farms

**50 %** higher productivity in Model Farms as a result of adoption of improved practices and technologies

## Castor Yield Non Model Farms v/s Model Farms



**Record yield of 7000 kg per hectare achieved by the Model Farm Farmers ; The average yield of castor in Gujarat is around 1500- 2000 kg per hectare**

Year	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
No of Model Farms	68	140	258	405	362	500	574	550



# SEA Sustainable Castor Model Farms

## From LAB ➡ LAND



Name – Devajibhai Satani  
Village – Amreli, Taluka – Amreli, District – Amreli  
Date – September 04, 2021  
Intercrop – Blackgram



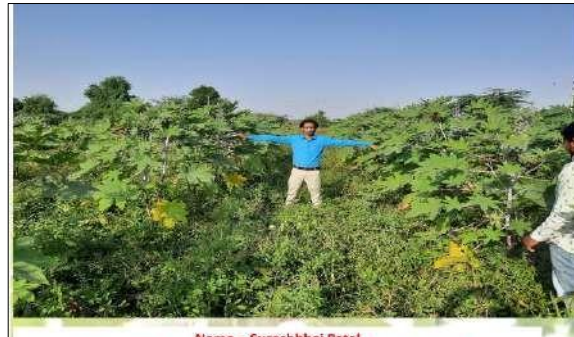
Name – Savjibhai Khakhriya  
Village – Shreenathgadhi, Taluka – Gondal, District – Rajkot  
Date – September 10, 2021  
Intercrop – Groundnut



Name – Mohanbhai Aevariya  
Village – Trambo, Taluka – Rapar, District – Kutch  
Date – October 26, 2021



Farmers meeting & Field Demonstration  
Village – Bagasara, Taluka – Bagasara, District – Amreli  
Date – December 01, 2021



Name – Sureshbhai Patel  
Village – Salimgadh, Taluka – Kankrej, District – Banaskantha  
Date – October 27, 2021  
Intercrop – Groundnut



Name – Jitubhai Patel  
Village – Khara, Taluka – Bhabhar, District – Banaskantha  
Date – December 09, 2021





# Key Impact of SEA Castor Model Farms



1

Around 50,000 farmers benefitted with increased income & Improved standards of living

2

Women Empowerment through Enhanced Knowledge about Castor production technologies

3

Securing Water For Future





# World Castor Sustainability Forum - WCSF





# World Castor Sustainability Forum - WCSF



## Standard Structure (Production)

### **4 Principles**

are the major topics covering the broad aspect of the standard

### **23 Criteria**

are the heart of the standard representing the desired objective for each topic.

### **59 Indicators**

Indicators are the distinct activities a farmer or farm should implement under the supervision of the Internal Control system (ICS) to achieve a given criterion.



# Stakeholder's Consultations for the Development of WCSF Code



## Series of Consultations Organized to Ensure Integration of Different Sustainability Aspects



❑ All leading stakeholders consisting of Castor-seed crushers, exporters of castor oil and derivatives, Foreign buyers, farmers, agri experts, certifying agency officials, castor model farms coordinators and others under Umbrella of SEA joined together to develop the standard.

❑ All agreed to promote World Sustainability Castor standard (WCSF) for castor oil and its derivatives under WCSF.





# The Sustainability Standard for Castor Crop Management Certification and Supply Chain Certification



Certification Standard



Issuance of WCFS Logo Usage License



Supply Traceability



Guidelines for Audit



Accreditation requirements and notification of certification bodies



Application by potential clients for certification audits



# World Sustainable Castor Standard



## Two Types of Certifications

### 1. Production – Individual certification & Group certification

### 2. Chain of Custody – Supply Chain

**Production Certification:** This is a process that sets the standard for sustainable management of castor production, smallholdings and castor oil processing facilities. The certification process is run by an accredited third party certification body to assess and verify that the castor production management in compliance with the standards' requirements as prescribed in the ISCS standards. **Internal Control System (ICS)** is formed to regulate the functioning and to maintain the internal quality of the group.

**Chain of Custody –Supply Chain Certification :** The WCFS Chain of Custody (CoC) module can be applied across the entire supply chain. It traces the path of castor products from farm through the supply chain, verifying the WCFS-certified material is identified or kept separated from non-certified material throughout the chain.

### Production Certification





# World Sustainable Castor Standard



## Types of Certifications in Production Standard:

### 1) *Individual Certification*

The individual certification will be applicable for an individual only who aspires to achieve the certification against the WCFS standard. The individual shall be audited by a third-party, licensed certification body.

An individual will have to meet all the requirements defined as per WCFS standard.

The individual certification aspirant will be responsible for the followings:

- All standard requirements are met by Individual farmer.
- Farmers maintain all required documentation.
- Individual farmer is certified

### 2) *Group Certification*

The group certification will be applicable for any group of individuals/organizations/ ICS who aspire to achieve the certification against the WCFS standard. The any group of individuals/organizations/ ICS shall be audited by a third-party, licensed certification body.

The group of individuals/organizations/ ICS will have to meet all the requirements defined as per WCFS standard. The group certification aspirant will be responsible for the followings,

- All the farmers or sample of farms are managed by an ICS
- Certificate is issued in the name of ICS
- Individual farmers are not certified

The requirements are met at individual and ICS level



# World Sustainable Castor Standard



## Chain of Custody – Supply Chain Certification

### Chain of Custody Module

#### Mass Balance

- ▶ MB module allows mixing of certified and non-certified products at any stage.
- ▶ The quantity of product processed is controlled. The input and output quantities shall be monitored at the site.
- ▶ Certified products delivered to the end user will be traceable to a list of WCSF certified mills.
- ▶ There are no requirement of separate storage, transportation or controls in the production process.
- ▶ MB accounting summary shall be maintained.

#### Segregation

- ▶ Segregation module does not allow mixing of certified and non-certified products at any stage of supply chain.
- ▶ The quantity of product processed is controlled. The input and output quantities should be monitored at the site.
- ▶ Certified products delivered to the end user will be traceable to a list of WCSF certified mills.
- ▶ The certified and non-certified product shall be kept separate at every stage of production, processing, storage, transportation.
- ▶ WCSF material accounting records shall be maintained.

#### Sustainable Credits

- ▶ 1 Sustainable credit is issued for 1 tonne of WCSF certified castor.  
(1 tonne castor = 1 credit)
- ▶ On product claim is not allowed.
- ▶ ICS shall maintain yield estimation data and actual harvested quantity.
- ▶ Certified mill shall maintain purchase record of credits.





# WCSF – Certification Bodies



- ☐ All Certification Bodies that are internationally competent to carry out certification must first be approved by the WCSF
- ☐ This is necessary to ensure that certification bodies that conduct audits under the WCFS Certification are competent to carry out credible and consistent audits
- ☐ The certificates will be issued by CB after approval from WCSF



# Roles and Responsibilities of SEA & WCSF



## SEA

- Oversee all the activities such as finalize the formation of standards and monitoring and approval of certificates of the WCSF program.
- Enrolling Members for WCSF program.

## WCSF

- Decide and approve the certification agency and audit agency.
- Have full time staff to coordinate with various national and international members.
- Analyze and buildout the principle and criteria for the sustainable production and use of castor.
- Take forward the demo projects developed to facilitate implementation and improvement of sustainable practices.
- Provide solutions to empirical problems to the application and verification of sustainable practices for castor and management, procurement, trade and logistics and traceability.



# Governance of SEA's WCSF Proposed



## **A. Advisory Council**

Advisory council is created as the body that provide the governing council member advice and recommendation for the WCSF, assurance and implementation process. It may comprise with the members from different sectors like Farming, Processing Industries, NGOs, Statutory regulatory member, Agricultural colleges, Member of the press, Surveyors and analytical agencies and member of WCSF governing council.

## **B. Governing Council**

SEA (Solvent Extractors' Association of India) will form the Governing Council from the members of the WCSF. The President, Executive Director, Chairman and Co-chairman of the Castor Development Council and the Convener of the Sustainability project will be the permanent members of the governing council. Other 6 members will be elected to form the Governing Council. Governing council is the ultimate decision- making body for all actions, including development, membership, certification and managing the stakeholders.

## **C. Executive Council**

Executive council has been created as the representative body for the WCSF. Governing Council selects and appoints Executive Council. Executive Council is responsible to manage the program, train and monitor its implementation by Internal Control System.

## **D. Type of Membership**

- i. Primary Membership
- ii. Partner Membership



# Supporters of World Castor Sustainability Forum (WCSF)



<b>India</b>	
<b>Adani Wilmar Ltd.</b>	<b>Geo Chem Laboratories Pvt. Ltd.</b>
<b>N.K.Proteins Pvt. Ltd.</b>	<b>Castorchem Private Limited.</b>
<b>Jayant Agro Organics Ltd.</b>	<b>Oswal Agrimpex</b>
<b>Gokul Agro Resources Ltd.</b>	<b>Rajgor Proteins Ltd.</b>
<b>Gokul Agri International Ltd.</b>	<b>Shree Umiya Agro Solvex Pvt. Ltd.</b>
<b>Royal Castor Products Ltd.</b>	<b>Hemee International Pvt. Ltd.</b>
<b>Castorgirnar Industries Pvt. Ltd.</b>	<b>Modi Oil Mill</b>
<b>Shivam Agro</b>	<b>Mavji Haribhai Oil Cake Industries</b>
<b>Kisan Agro Product Industries.</b>	<b>Jaksh Castor Products Pvt. Ltd.</b>
<b>Shivam Agroprocess Pvt. Ltd.</b>	<b>J. R. Agro Industries Pvt. Ltd.</b>
<b>R.P.K. Agrotech Exports P.Ltd.</b>	<b>Kandla Agro And Chemicals Pvt. Ltd.</b>
<b>Dr. Amin Controllers Pvt. Ltd.</b>	<b>Amees Castor</b>
<b>International</b>	
<b>Kusumoto Chemicals Ltd., Japan</b>	<b>Hampshire Commodities Ltd., U.K.</b>
<b>Hengshui Jinghua Chemicals Pvt. Ltd., China</b>	<b>ACME Hardesty Company, USA</b>
<b>Thai Castor Industry Co. Ltd., Thailand</b>	<b>Innoleo LLC, USA</b>
<b>Biosynthetic Technologies, USA</b>	<b>Wilmar (China) Oleo Co. Ltd., China</b>
<b>Tianxing Biotechnology Co. Ltd., China</b>	<b>And Many More !!</b>





# Progress So Far



- ☐ For the purpose of sustainable castor code a subsidiary company of SEA viz “**World Castor Sustainability Forum**” under section 8 of Companies Act 2013 is registered. AoA under preparation.
- ☐ Draft Standards for Producer and Supply chain Custody established, open for discussion with stakeholders and adoption.
- ☐ Draft Bye-laws framed, open for discussion with stakeholders and adoption
- ☐ Website of W C F S under construction.
- ☐ stakeholder's feedback.
- ☐ Email: [sustainablecastor@gmail.com](mailto:sustainablecastor@gmail.com)
- ☐ **Membership will open from 1<sup>st</sup> April, 2024**



# **Join the SEA's World Castor Sustainability Forum**



**We invite the Stakeholders to support and join SEA's**

**WCSF As**

**Primary Member or Partner Member**

**and earn**

**Stakeholder's Sustainability Certificates**

**As well as**

**Adopt the WCSF Standards for Better Tomorrow**



*Thank  
You*



**Mr. Haresh Vyas  
Convener  
World Castor Sustainability Forum**

142, Jolly Maker Chambers No. II, 14<sup>th</sup> Floor, 225, Nariman Point, Mumbai  
400021

Tel: (+91-22) 2202 1475. 2282 2979, Fax.: (+91-22) 2202 1692

Email: [sustainablecastor@gmail.com](mailto:sustainablecastor@gmail.com) Website: [www.seaofindia.com](http://www.seaofindia.com)