

Status quo of Green Chemistry and Expectations for the project

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Setting up of NCPC Sri Lanka 2002 Under the Ministry of Industrial Development



Project of UNIDO – Integrated Industrial Development Support programme – Phase I- Component 4A, funded by Royal Norwegian Government



Institutionalized in 2013 as not for profit Gtd company



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National Chamber of Exporters, Sri Lanka
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Founding Member of the Network for Resource Efficient and Cleaner Production (RECPnet)



Why NCPC Sri Lanka embarked on chemicals management tools



- **Poor chemical safety performance witnessed** during field assessments in chemical used industries
- **Increased chemical consumption and safety related incidents reported**, with the growth of economy 2002 – 210Kg, 2012 - 635Kg
- **Requests from the industry** for technical support in the circumstances **non-existence of national level Regulatory body or service provider** for advising on chemical safety





Strategies, Tools & techniques introduced by NCPC in Sri Lanka



- **Chemical Leasing** – with UNIDO support since **2008**
- **Responsible Production** – with UNEP support, Since **2010**
- **Lanka Responsible Care Council** - supported by ICCA and New Zealand Responsible Care Council since **2010**
- **Green Chemistry** – to be started since **2017** with UNIDO



Status quo of Green Chemistry



- Green Chemistry is a **subject in a few government and private universities**
e.g. Chemistry department in University of Ruhuna, Engineering faculty in SLIIT Campus
- **There are projects and activities** taken place in the country which are in the domain of Green Chemistry **but** those are **not branded as Green Chemistry applications**



Status quo of Green Chemistry



- **No national level initiative has been taken yet to introduce or promote Green Chemistry in the country**
- **No government or related institutes / authorizes has taken Green Chemistry into the agenda**
- There is a **vast opportunity to address** some of the current issues and improve performance through the sound application of Green Chemistry principles



Expectations of the project and main work areas



- Bringing in sound chemical management with proactive approach and **solving some remaining resource efficiency issues** in the industry
- Addressing the current **compliance and chemical safety related issues** faced by the industry
- **Establish Green Chemistry as the basis** for sound chemicals management public and business sectors



Expectations of the project and main work areas



Activities to accomplish the expectations

- **Introduce Green Chemistry** to Sri Lanka – through **awareness** for public and business sectors
- **National Level Capacity building** in Green Chemistry
- Inclusion into **University curricular** in a broad level in Science and Engineering
- Undertaking few **Pilot demonstration projects**
- Developing **show cases and publishing materials**
- **Dissemination** at broad scale
- Introduce Green Chemistry to the **national policy framework**



Expectations of the project and main work areas



We would like to work in

- **Chemicals management arena** with Industrial sectors mainly, chemical, textile, rubber and plastic sectors
- **Driving top down approach** with government ministries including Industry, Environment and agencies including Environmental Authority
- **Capacity building** for future with Universities

Thank you!

