Energy Efficiency in Supply Chains of South Asia: Reassessing the Carbon Footprint and Life Cycle Analysis (LCA)

In South Asia, the energy demand has amplified multifold, which is directly proportional to a rapid increase in population in the last two decades. The recent trend and acceptance towards the excessive use of energy has disrupted the economy along with the climate change affects. The need to adopt efficient ways to conserve energy has become a popular realisation in order to cope with the increasing energy demand. This in turn can result in financial saving which is required for energy production in the first place. Controlled energy demand can also result in reduced use of fossil fuels, which in turn undertones the Carbon Footprint thus, making the environment healthier and safer.

The recent rapid economic activities focusing on energy-intensive operations are increasing the rate of Corporate Carbon Footprint. Extreme weather patterns such as rising temperatures and shifting precipitation are also affecting the growth patterns of plants and indigenous vegetation (Livestrong Foundation 2011). This is also causing a rise in seas, eroding shorelines, destroying ecosystems, and affecting the coastal cities and towns (ibid). Through this, one sees that, “Corporate and product Carbon Footprints speak to the fact that we cannot manage what is not measured” (DNV 2011).

“...energy efficiency is the goal to expend less energy. Everyday items are being configured and changed to become more energy efficient” (Wikipedia 2011) so as to minimize the Carbon Footprint for a low-carbon future. Rationalizing energy use in the supply chains of South Asia through life cycle analysis by using Carbon Footprinting as a measuring tool. Adoption of clean and alternate energy and its efficient use can manifest into an economically viable solution with low Carbon Footprint and sustainable development at this critical point in time.

This panel will focus on the importance and practical aspects of Lifecycle Analysis (LCA) and Carbon Footprinting for energy efficiency in supply chains of South Asia featuring low carbon future. Speakers are invited to contribute papers on related issues, challenges, best practices, management models, technological innovations and lifecycle analysis and Carbon Footprinting.

References:


Panel Organiser: Mr. Kanwar Muhammad Javed Iqbal, Senior Research Associate, Sustainable Development Policy Institute (SDPI), Islamabad.

Email address: kanwar@sdpi.org