

Managing Global GHG Emissions - Experience from India

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CII - Sohrabji Godrej Green Business Centre Hyderabad, India

A unique Public – Private Partnership

(CII, Govt of Andhra Pradesh, USAID and Piroisha Godrei Foundation)



**“Centre of Excellence” for Energy, Environment, Green Buildings,
Renewable energy, Water & Climate change activities in India**



CII – Mission for sustainable growth

- ❖ **India gearing up to be a developed nation by 2020**
 - **Increased stress on natural resources**
- ❖ **Need to evolve a structured action**
 - **Achieve high growth in an ecologically sustainable manner**
- ❖ **CII – Mission on sustainable growth**
 - **Initiative to “Pursue growth while preserving ecology”**



CII – Mission for sustainable growth

- ❖ Focus on energy, environment, water, waste & GHG emission
 - 10 impact sectors (6 APP focus sectors)
- ❖ CII has developed 'Code for Ecologically sustainable business growth'
 - Involve top management
 - Seek voluntary commitments & self targets from member companies to reduce intensity
 - Partner with companies in realizing the objectives of MSG
 - Excellent response – 150 companies signed the code



CII Sustainability Code

Being cognizant of the need of sustainable growth and dwindling stock of natural capital, we commit ourselves to the attainment of the following Ten - Natural Capital Commandments.

- ❖ **Reduce specific consumption of water and energy by 5% every year over next ten years.**
- ❖ **Reduce specific generation of waste and reduce the quantum of waste going to land fills by 5% every year over next ten years**
- ❖ **Increase use of renewables including renewable energy by 5% every year in place of non-renewables over next ten years**
- ❖ **Reduce emission of green house gas emissions and other process emissions by 2 - 6% every year over next ten years and explore opportunities through Clean Development Mechanism (CDM) and other Carbon Exchange Programs**
- ❖ **Increase use of recyclables and enhance recyclability of resources embedded in the product by 5% every year over next ten years**
- ❖ **Contd**

CII Sustainability Code ...

- ❖
- ❖ Increase the share of harvested rain water in overall annual use of water by 5% every year over next ten years
- ❖ Incorporate life cycle assessment criteria for evaluating new and alternative technologies & products
- ❖ Strive to adopt green purchase policy and incorporate latest clean technologies at design stage
- ❖ Take lead in promoting and managing product stewardship program, by forging partnerships with businesses and communities
- ❖ Reduce depletion of natural capital which is directly attributable to company's activities, products and services by 5% every year over next ten years.

We also commit to demonstrate attainment of these commandments in our pursuit to certifications

such as ISO 9001, ISO 14001, OHSAS 18001, SA 8000, Green Buildings, Eco Labels and the like.

Date :

Signature :



Excellent Response so far ..

- ❖ 150 signatories
- ❖ Intensity reduction targets set between 1 - 5% per year for next 10 years
 - Energy, water, GHG emission, renewable energy, waste minimization, etc

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Reliance



CII collaboration with USEPA

❖ USEPA Climate Leaders Program

- Sharing experiences
- Best practices
- Capacity building for GHG Emission inventorization
- Technical assistance



Mr Stephen Johnson announcing Collaboration with CII

Support from US DoS under Asia Pacific Partnership (APP)



CII – Asia Pacific Partnership (APP) Project

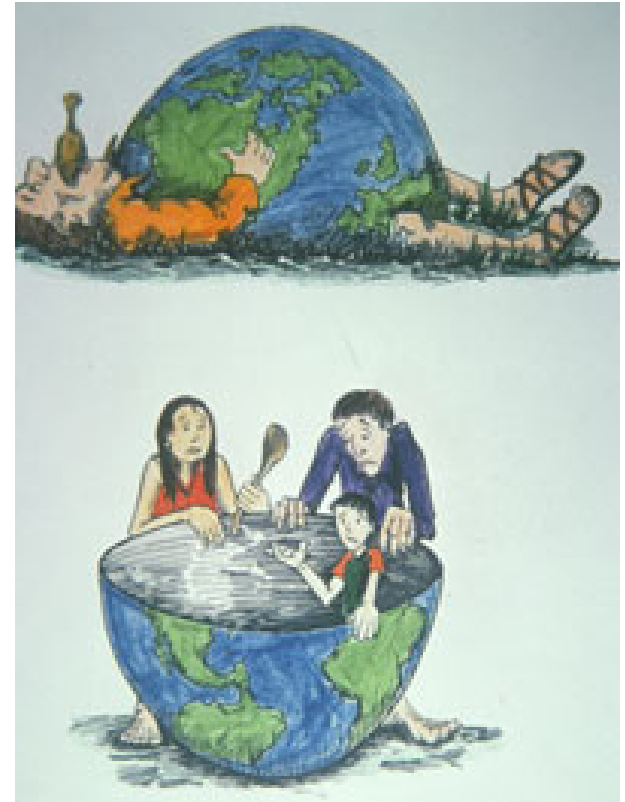
- ❖ **CII Godrej GBC has undertaken a project with support from US Department of State under APP**
 - **Voluntary program to promote ecologically sustainable business growth for Indian industry**
- ❖ **Assistance through this project**
 - **GHG Inventorisation**
 - **GHG Baseline development, target setting and monitoring**
 - **Sharing of international experiences**
- ❖ **Excellent support from USEPA & WRI**



Other Activities

❖ Develop Ecological Footprint for India

- CII with support from Global Footprint network, USA & WWF
- Report to be released on 13th October, 2008



CII – Godrej GBC - US DOS Project

❖ **Title of Project : Voluntary program
to promote ecologically sustainable
business growth for Indian industry**



CII – Godrej GBC - US DOS Project

❖ Project objectives

- Promote ecologically sustainable business growth in Indian industry through a voluntary program drawing on experiences & learning from USEPA Climate Leaders program

❖ Activities

- Establish baselines & targets for reduction of energy and GHG emissions
- Monitor reductions using publicly available protocols
- Widely disseminate results



CII – US DOS Project

- ❖ 150 companies sign for CII Code
- ❖ Draft GHG Program guide launched
- ❖ Capacity building workshops being organised
- ❖ Final Version of GHG Program guide to be launched on 13th Oct



CII's Learnings & Experiences



1. Voluntary Initiatives can become successful movements



Green Building Movement in India

- ❖ 2003 - 1 building & 20,000 sft
- ❖ Now – > 250 buildings & 250 million sq ft
- ❖ Key Attributes
 1. Voluntary movement
 2. Indian Green Building Council (IGBC) brought all stakeholders together
 3. Immediate benefits & Long term advantages
 4. A robust rating system (LEED) fine-tuned to match Indian conditions
 5. Market Transformation initiatives - capacity building, seminars, facilitating green products etc..

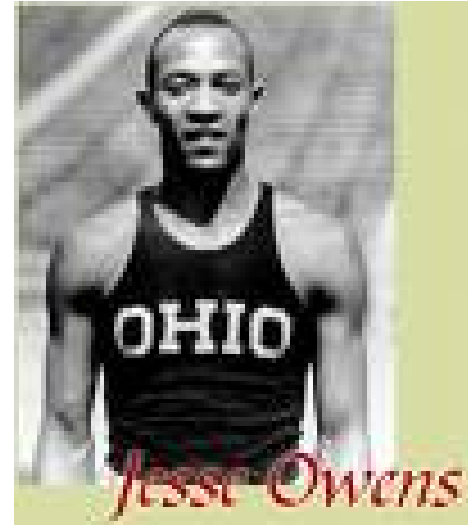


2. Learning by sharing can lead to World Class



Jesse Owens – 1936 Berlin Olympics

- ❖ First to win 4 gold medals in Olympic track & field
- ❖ Long jump – two foul attempts
- ❖ German long jumper Luz Long advised on where to 'Take Off'
 - Jesse Owens won 'Gold' Medal
- ❖ Luz Long won 'Pierre De Courbetin medal'



Learning by sharing – can lead to World Class

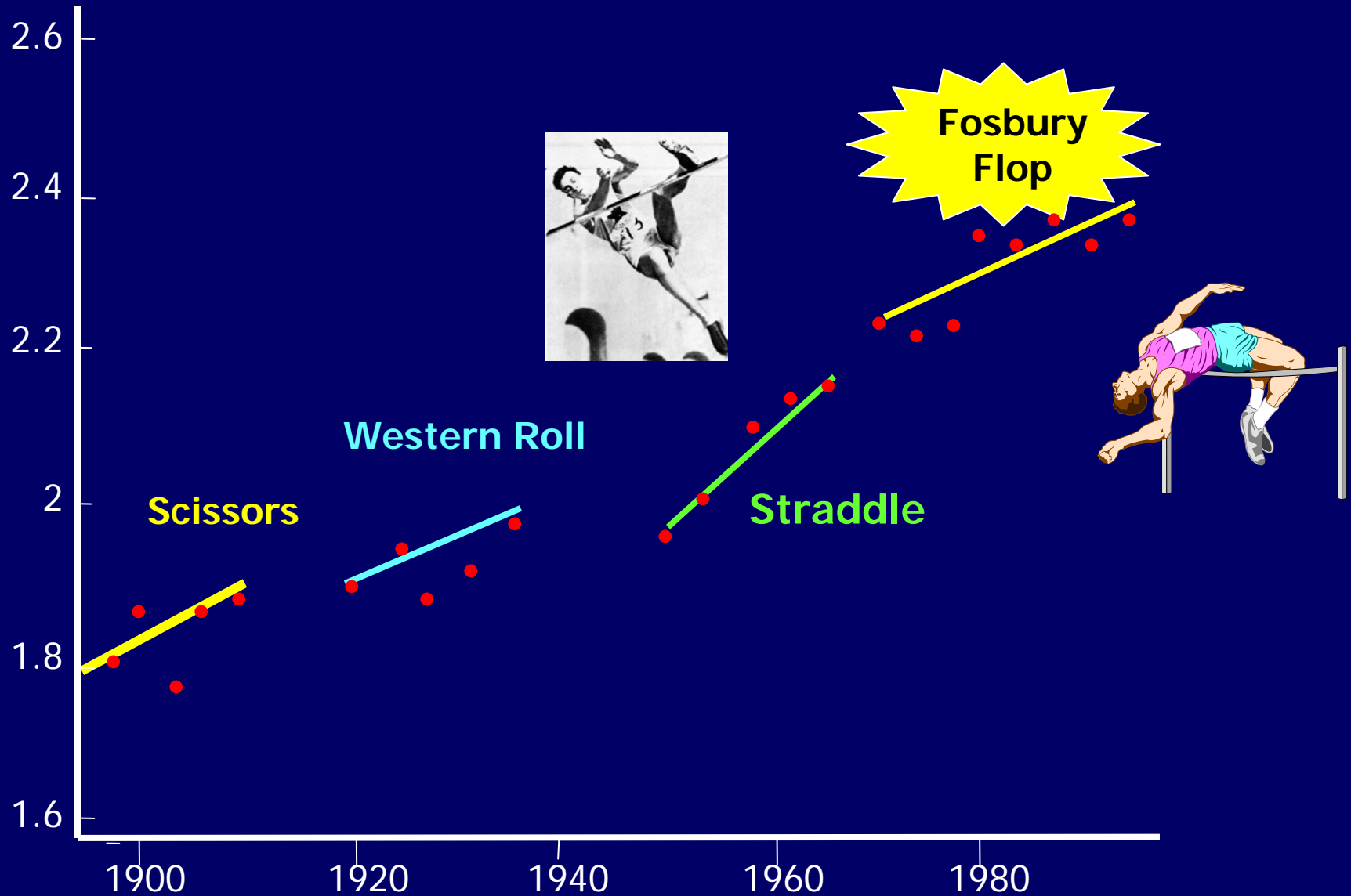
Indian Cement industry

- ❖ Most energy efficient in the World
- ❖ Specific energy consumption
 - India – 60 units / ton
 - Others - > 75 units / ton
- ❖ Extensive sharing of energy related information amongst companies

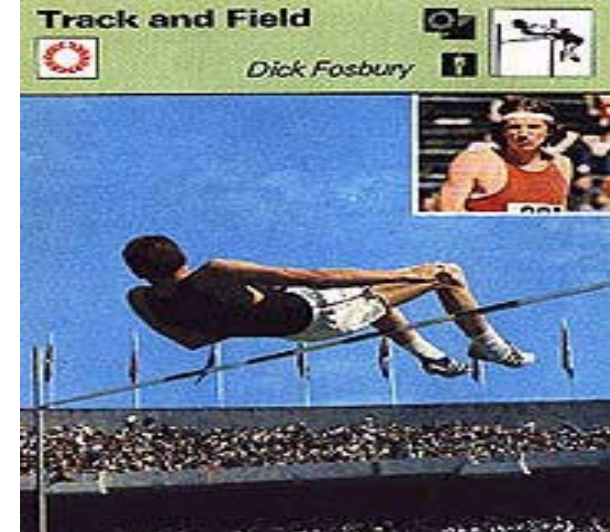
3. Common Programs can facilitate innovations across sectors



Olympic Gold Medal Winners in High Jump



Dick Fosbury



❖ Fosbury

- ❑ Basically a Gymnast - Not successful
- ❑ Applied principles of Gymnastics to High Jump
- ❑ Result – An innovative style of high jump

Cross sectoral information exchange can facilitate innovation

CII – Annual National Energy Award

- ❖ Industries from all sectors present their best practices – 2 days
- ❖ Facilitated
 - Annual Saving – USD 75 million / year
 - Information exchange
 - Innovations across sectors
 - ❑ Eg- Cement & Power sector



Thank You



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