



Green Rating: What we do and why?





CSE's Green Rating Project - what and why?

- ✓ GRP is a public tool to leverage change
- ✓ It benchmarks the present. And points to the way ahead.
- ✓ It sets difficult goal-posts: Pushes towards desirable not what is easily achievable.





Pushing for change

| Scores | Awards Category | Criteria |
|---------------|-----------------|--|
| Above 80% | 5 Leaves award | Performance far exceeding compliance requirements Global best technology Best management practices |
| 60% to 80% | 4 Leaves award | Good Compliance Very Good technology and performance Strong management practices |
| 40% to 60% | 3 Leaves award | Average compliance Good technology and performance Average management practices |
| 30% to 40% | 2 Leaves award | Below average compliance Below average technology and performance Basic management practices |
| 20% to 30% | 1 Leaf award | Poor performance Frequent cases of non-compliance In adequate management practices |
| Less than 20% | No award | Regular non-compliance; non participation Poor performance and management practices |







Our Belief

- ✓ Public disclosure must for credible action
- ✓ We rate everyone who agree or those who
 do not. Environment is public good
- ✓ Industry will grow, but growth has to be business-unusual





'Working' industry: rating and re-rating

- ✓ Pulp and Paper 1999
- ✓ Pulp and Paper revisited 2004, 2013







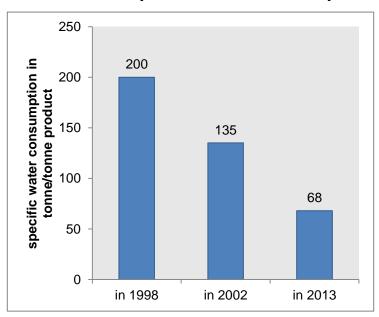




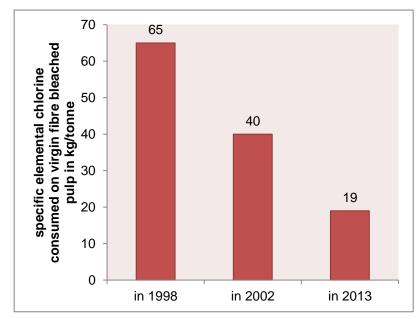
Differences made

- ✓ Difference was willingness of the companies to participate and engage
- ✓ Difference was significant improvement in environment management systems

Reduction in specific water consumption



Reduction in elemental chlorine consumption



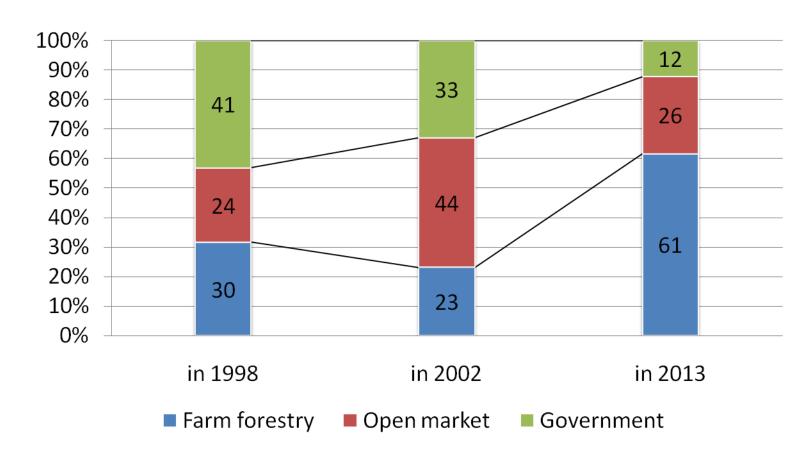


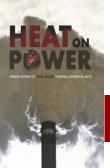




Differences made

Sustainable Sourcing: Increase in wood sourced from farms









Automobile Rating 2001









Consequence

- ✓ High disclosure emission certificates made public for 1st time for each vehicle
- ✓ Supply chain management outsourcing pollution recognized and practices changed
- ✓ Pushed for better technologies for better pollution control





Chlor-Alkali 2002









Impact

- Regulation for mercury changed globally and in India. Study showed high unaccounted for mercury. Pushed to regulate on input not discharge
- ✓ Mercury use nearly phased out from 70% to some 10% now





Cement 2005

✓ Recognition that Indian cement industry is matching global best standards for energy use and GHG emissions. Changed the perception of industry and pointed to challenges of mining







Steel 2012









Outcomes

- ✓ Vizag Steel improved their metallurgical waste water treatment facilities which was polluting the sea.
- ✓ JSW Steel appointed Safety services inspectors spending Rs. 300 Million in five years to improve occupational safety





Rationale for rating coal-based thermal power sector

- ✓ Core industrial sector set to expand
- ✓ Resource intensive water, coal and land
- ✓ High pollution potential
- ✓ Responsible for more than half the country's GHG emissions







Coal thermal power

- ✓ Difficult issue for environmentalist
- ✓ Would like it to go. Huge costs of extraction; fossil use in climate change; pollution impacts on local communities
- ✓ But recognize that it will stay for countries like India. No country has disengaged as yet. So even as we push for renewables the question is how to clean coal thermal power
- ✓ Is it possible? What do we do? How?



