

Community Based 3R / Waste Management Cases from India



Solid waste scenario in towns and cities...





Community Led Environment Action Network



- □ 4 Strategic Activities
 - Assessment
 - Awareness
 - Action
 - Advocacy
- Waste Audits 'R' Potential
 - Home
 - School
 - 'Kabadi' Yards
- □ Initiate Awareness & Action
 - Refuse
 - Reduce
 - Reuse
 - Recycle
 - Recover



Segregation at Source – a key step



Awareness and **Options**





जी.फल, धिलके ^{चा} हुआ स्वाना

वसाकेत की ओ





Composting Kitchen Waste





Composting Kitchen Waste 2





Compost to Kitchen and Terrace Gardens





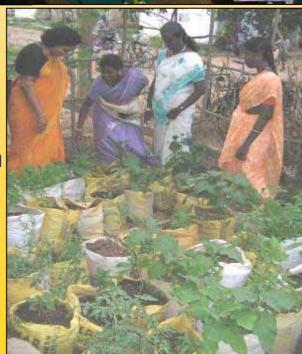




City Farming – growing food on waste



- Vegetables: Brinjal, beans, tomato, radish, beetroot, lady's finger, cluster-beans, green chillies
- Flowering plants: Rose, jasmine, marigold
- Medicinal plants: Adathoda, aloe vera, ocimum sanctum, ocimum basilicum, and hibiscus



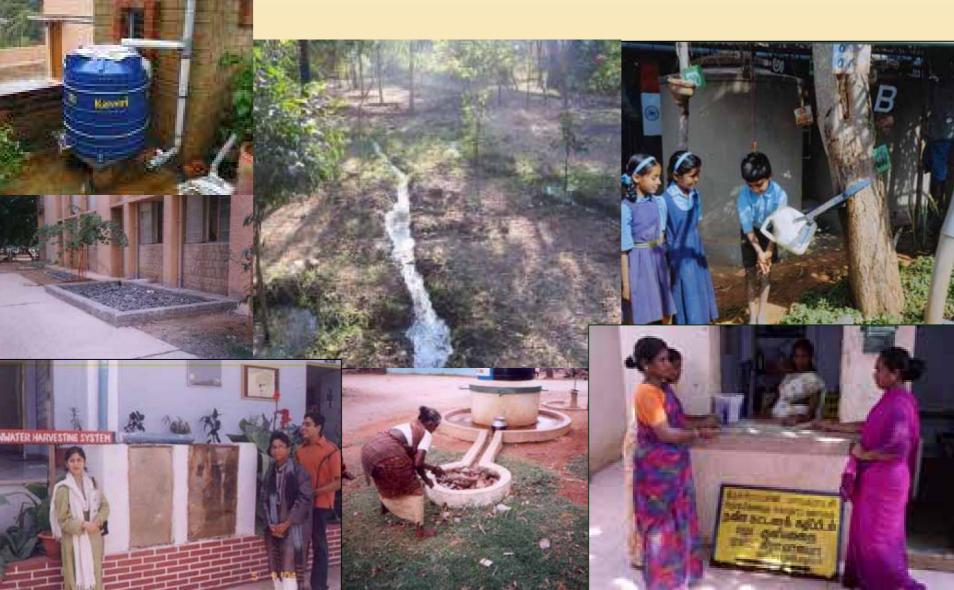
Growing Mushrooms on Kitchen Waste





Water Harvesting, Reduce & Reuse





Campaign against polybags and over-packaging







Making our own Paper





Over 400 units in schools, CSR centers, government secretariats,



Our Paper Products





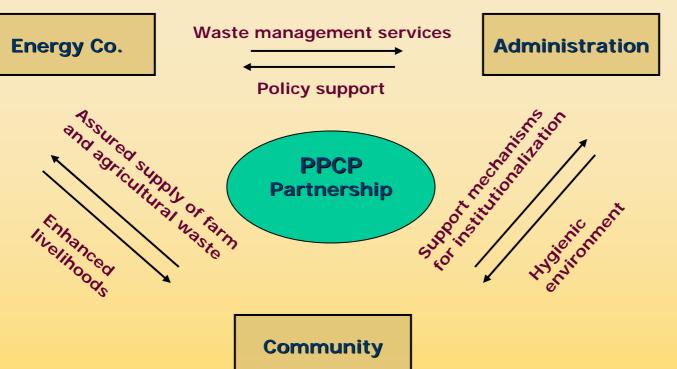








Poultry Waste to Energy









Recycled Plastic Products





Industrial Waste



Stone Dust to Concrete Blocks &







Industrial Waste

Flyash & Waste Lime to Bricks & Paving Blocks







Hazardous Waste Lead Acid Battery

- □ Partnering with the industry to develop voluntary environmental certification standards for lead acid battery
- □ Developing model for battery take-back which will help promote environmentally sound management of used lead acid batteries
- □ Need for modern technology with innovative institutional mechanisms





Public Awareness and Advocacy











"Ezhilmighu" Namakkal – First Zero Garbage Town in India

☐ first municipality in the country to privatize all components of solid waste management

□Institutionalized

- segregation at source
- door-to-door collection
- vermi-compost from organic waste
- sale of recyclable inorganic waste

Empowering and Enabling ...



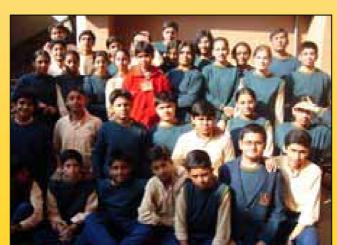
Adoption of rag pickers by CLEAN-India Schools waste is segregated, canteen and garden waste composted, waste paper recycled; and

the rest of the recyclables collected and given to

the rag picker by the end of the day.

He goes to the school in the morning







Thousands of *Institutes*





Thousands of Ramus!!