

An Eco Responsible Institute

- Reducing ecological impact
- Promoting optimum resource use
- Setting an example



Dr MCR HRD Institute of Telangana



Reduce: Water Consumption



- Push Type Taps, Timers, Male Urinals
- Leakage Surveys & Plugging
- Two level/two button water use flush tanks
- Capacity reduction of flush tanks with empty water bottles



Reduce: Power Consumption



- Solar street lights
- ACs Temp fixed at 23C
- Energy efficient fans
- Air filters of ACs cleaned every 3 months
- Street lights and corridor lights use economised
- Building-wise power consumption monitoring



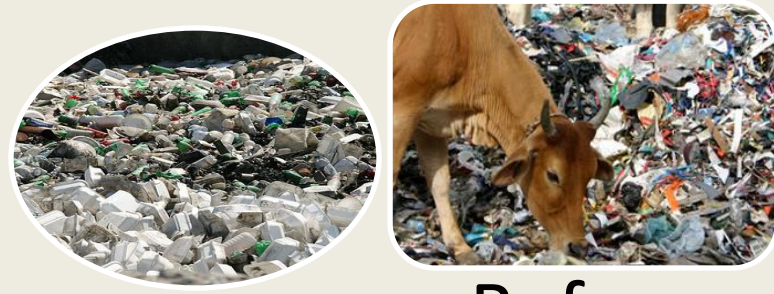
Reduce



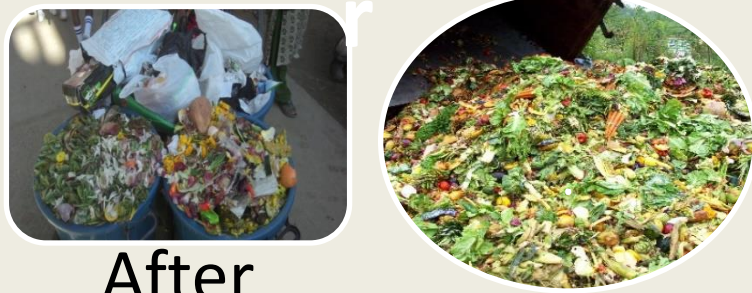
- Refillable water bottles for conferences
- Single use disposable cups and plates banned
- Disposable plastic bottles & glasses banned
- Reusable steel / glass tumblers at dispensers
- Two sides printing on paper



Recycle: Water and Waste



Before



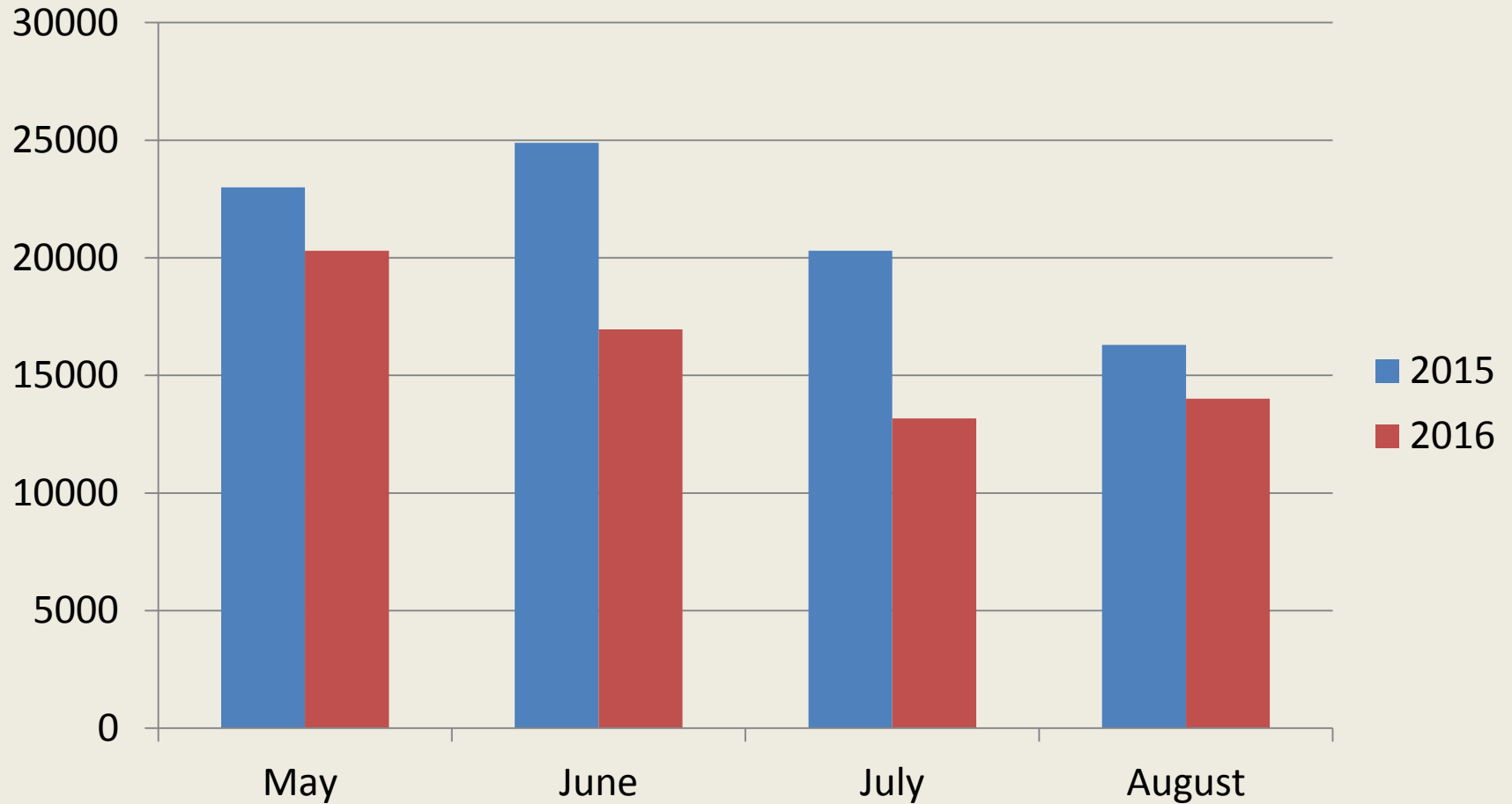
After

- Burning of garbage stopped
- Kitchen / food waste converted to cleaning enzyme
- Wastewater treated & used in garden: 300 KLD
- Rainwater harvested: through Inverse Bore wells: 60 lakh litres
- Pumping & distant transport of water eliminated



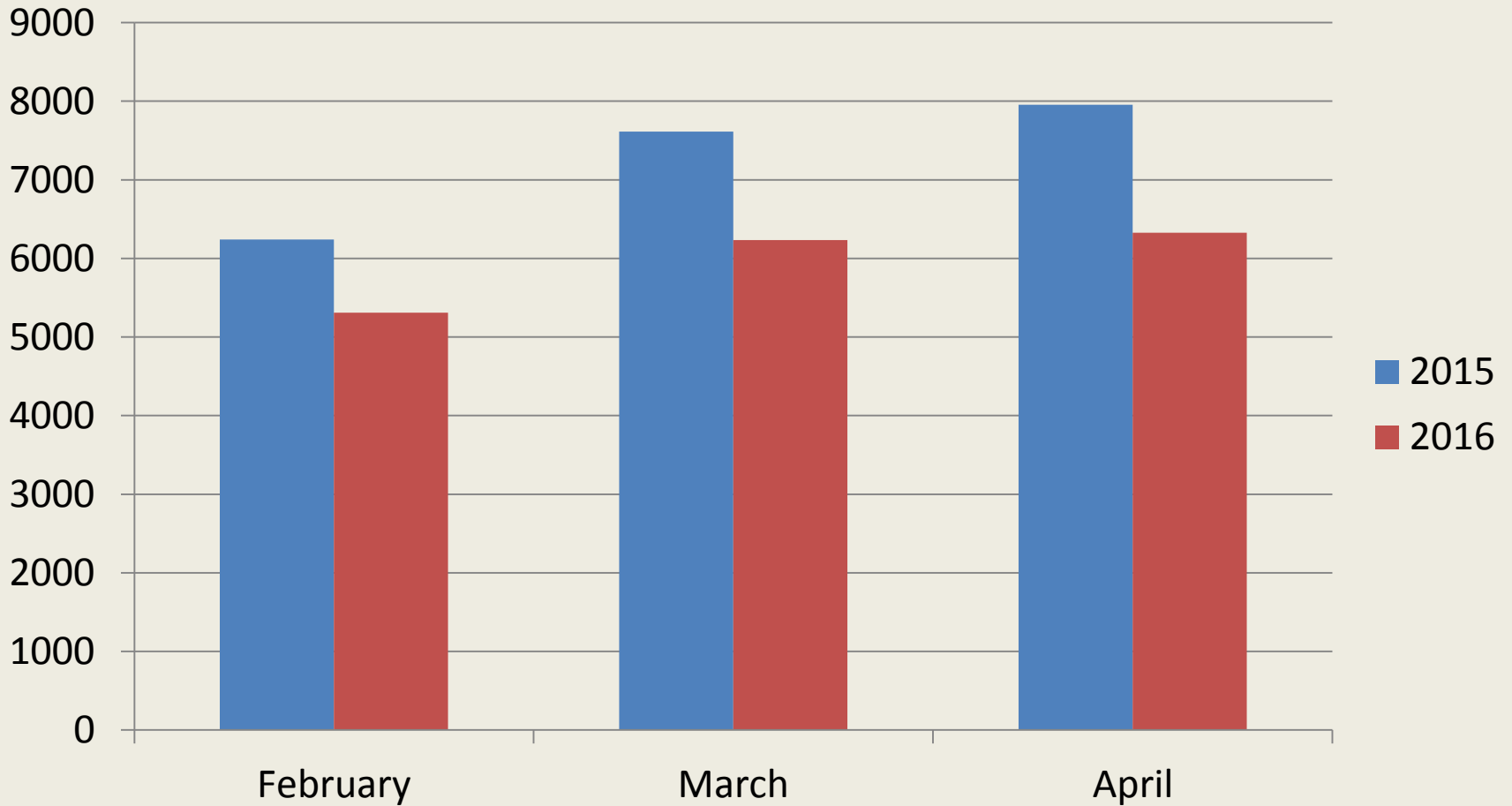
First Results: Power Saved

Consumption in Kilo Watts



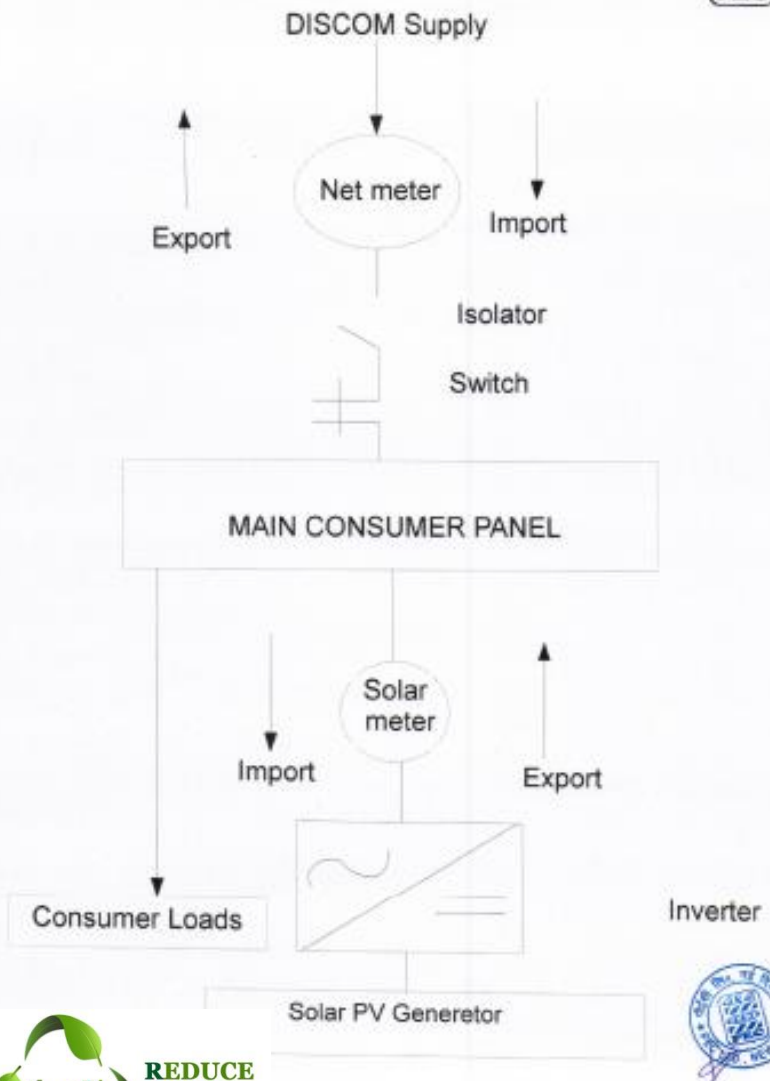
First Results: Water Saved

Consumption in Kilo Litres



Road Ahead....

SIMPLIFIED SKETCH OF NETMETERING



- Roof top Solar Power plant on the anvil
 - 490 KW
 - Grid Connected
 - Reverse metering
 - 8 locations
- Shifting to LED gradually
- Rainwater mapping of entire campus for harvesting
- Rooftop water being captured & diverted to sumps: 5 lakh litres



Road Ahead....



- Zero discharge
 - Water
 - Waste
 - Sewage
- Sewage Treatment Plant for reuse of treated water for garden and lawns
- Shifting to energy efficient equipment gradually



