

Water Risks and Stewardship

- Policy framework & incentives

National Priority

- Water Stewardship is the need of the hour
- All Stakeholders need to work together for mutual benefit
- Industry can play a leading role with support from Government

Government must facilitate

- A holistic regulatory approach
 - An approach that focusses on infrastructure and institution building at grassroot level
 - Need to focus on outcomes
 - Transparency & verification, base line studies
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The Business Context

Agri-supply chains at risk because:

- Agriculture mainly rain-fed
 - Crop production unstable
- Depletion of bio-mass
 - Aggravating top-soil losses & surface run-off
- High soil erosion by weathering agents
 - Long term implications for fertility & productivity of land

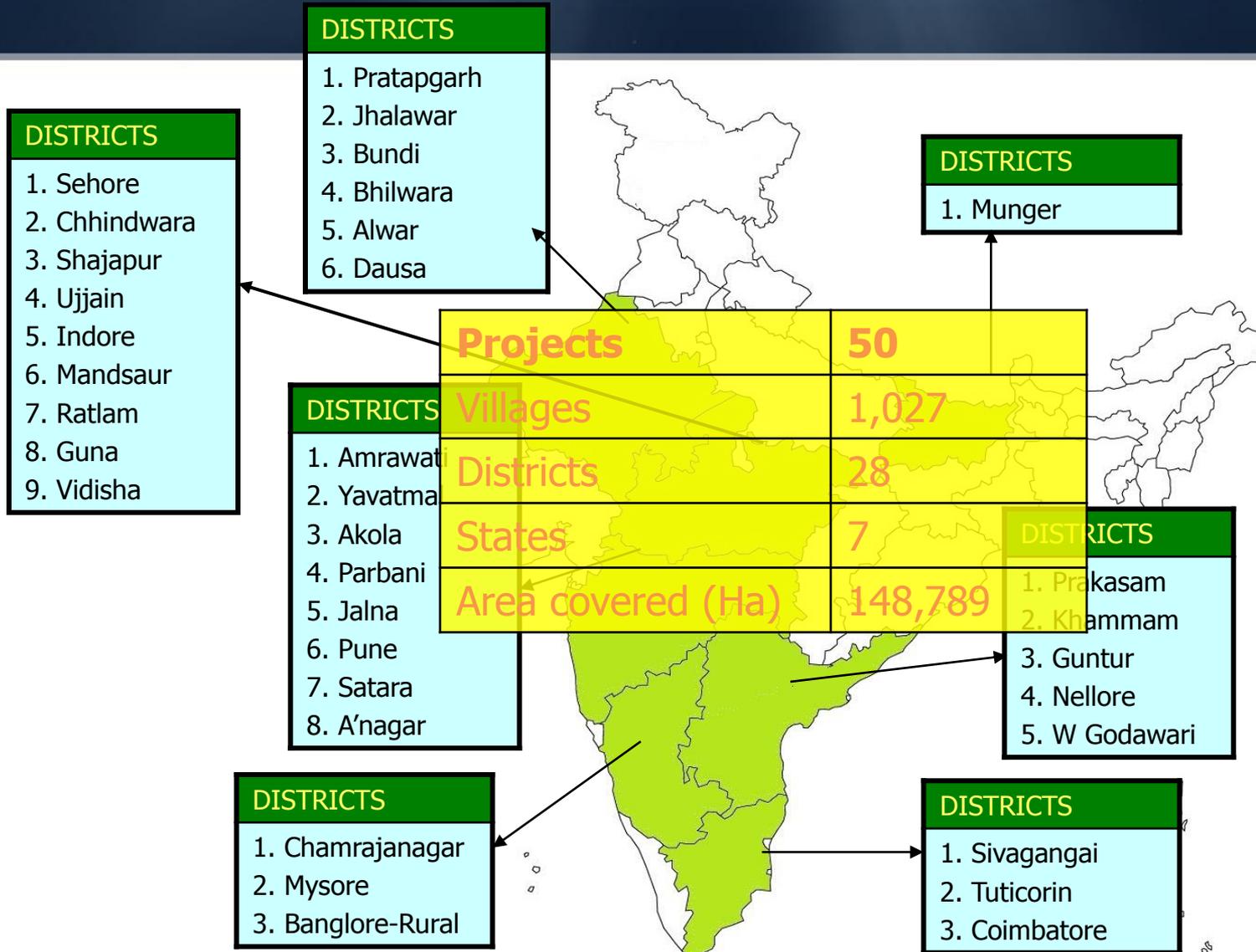
Climate change likely to worsen these conditions

- Climate extremes, variability & unpredictability
 - Exert enormous pressure on fragile farming systems
 - Threaten food security for the most vulnerable people

Way Out....

- Large scale investment required in Natural Resource Conservation.
- Partnership between communities, specialist NGOs, ITC and the Government at all levels for measurable impact.
- Bring the best relevant management and technical expertise to every initiative.
- Creating robust, scalable and replicable development models.

Journey started in 2001 with 2 SMC projects in B'lore Rural and Prakasham districts.

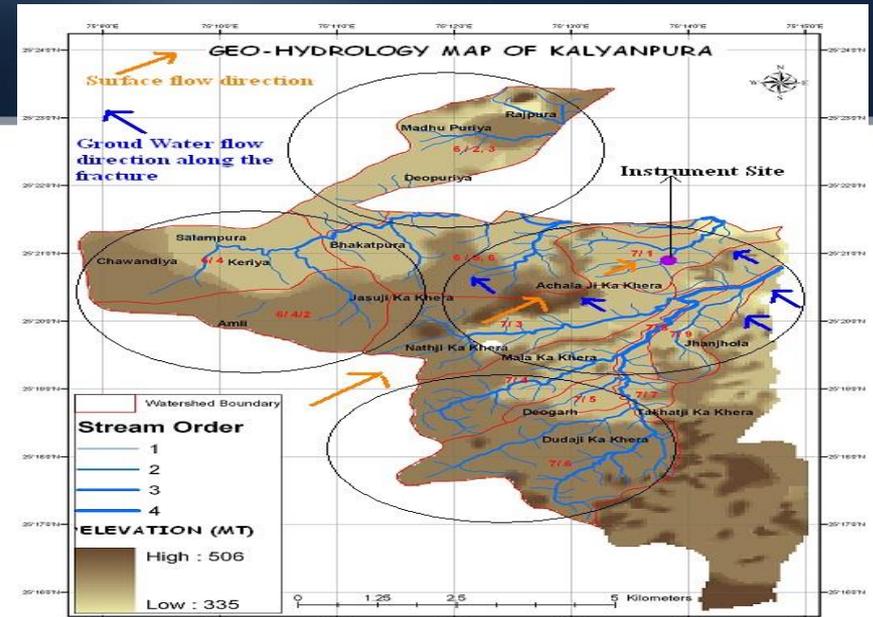
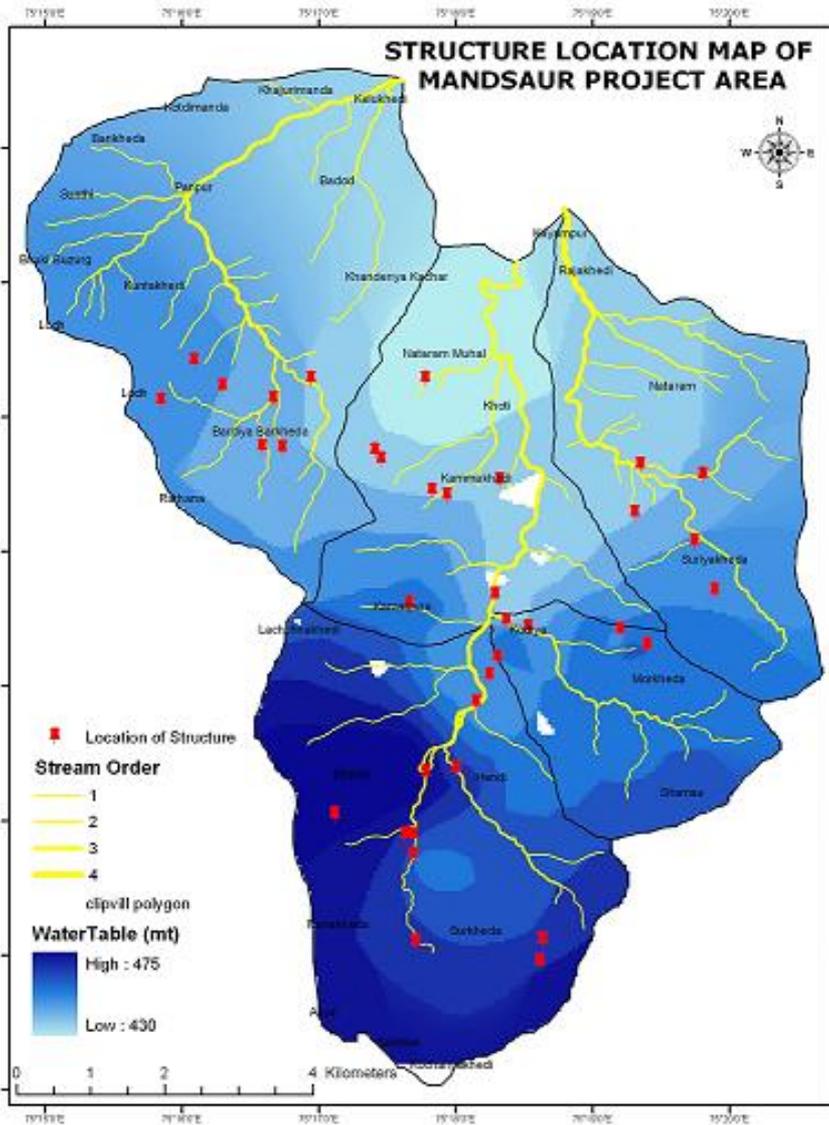


Preliminary work involves...

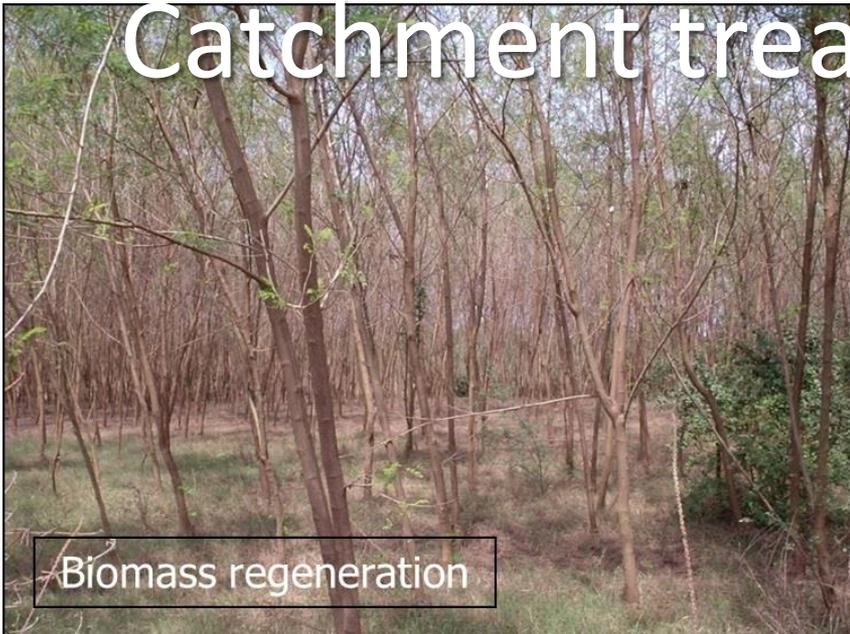


Community based training (leadership, Govt Schemes, micro plans, handling cash, savings, budgeting)

Scientific planning using traditional knowledge



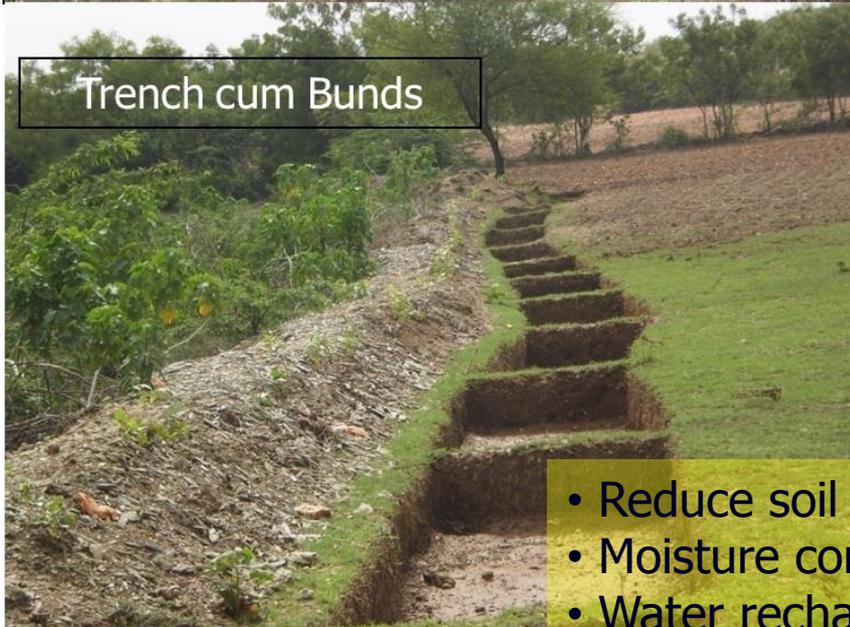
Catchment treatment involves...



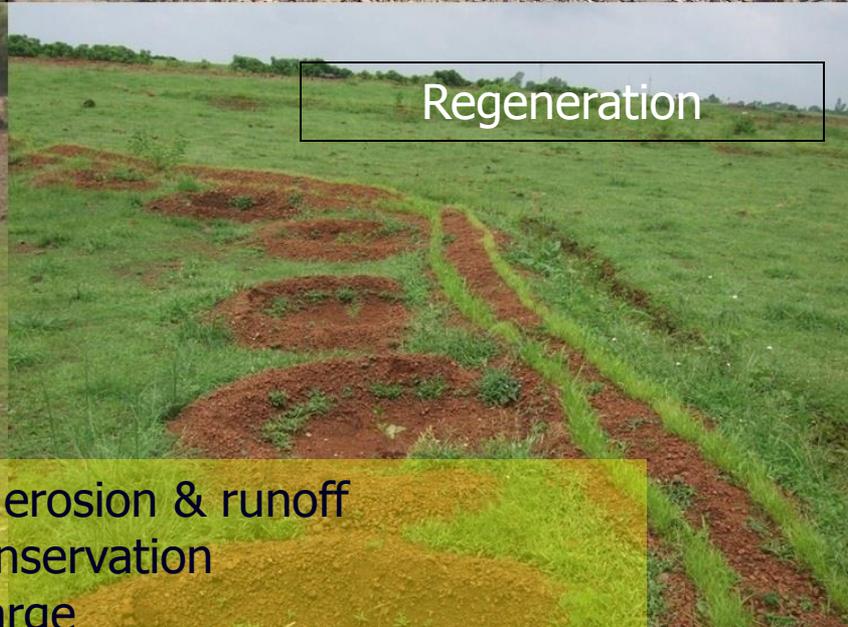
Biomass regeneration



Drainage treatment – RFD, gablons, trenches, etc



Trench cum Bunds



Regeneration

- Reduce soil erosion & runoff
- Moisture conservation
- Water recharge

98,325 ha degraded land reclaimed



Water Resources Development

- Stop Dams: 252
- Check Dams: 810
- Irrigation Tanks: 936
- Farm Ponds: 2,976



4,974 water harvesting structures created and restored
Total freshwater storage created- 20.38 million kilo litre
Critical Irrigation to 50,465 ha

Improving Water Use Efficiency



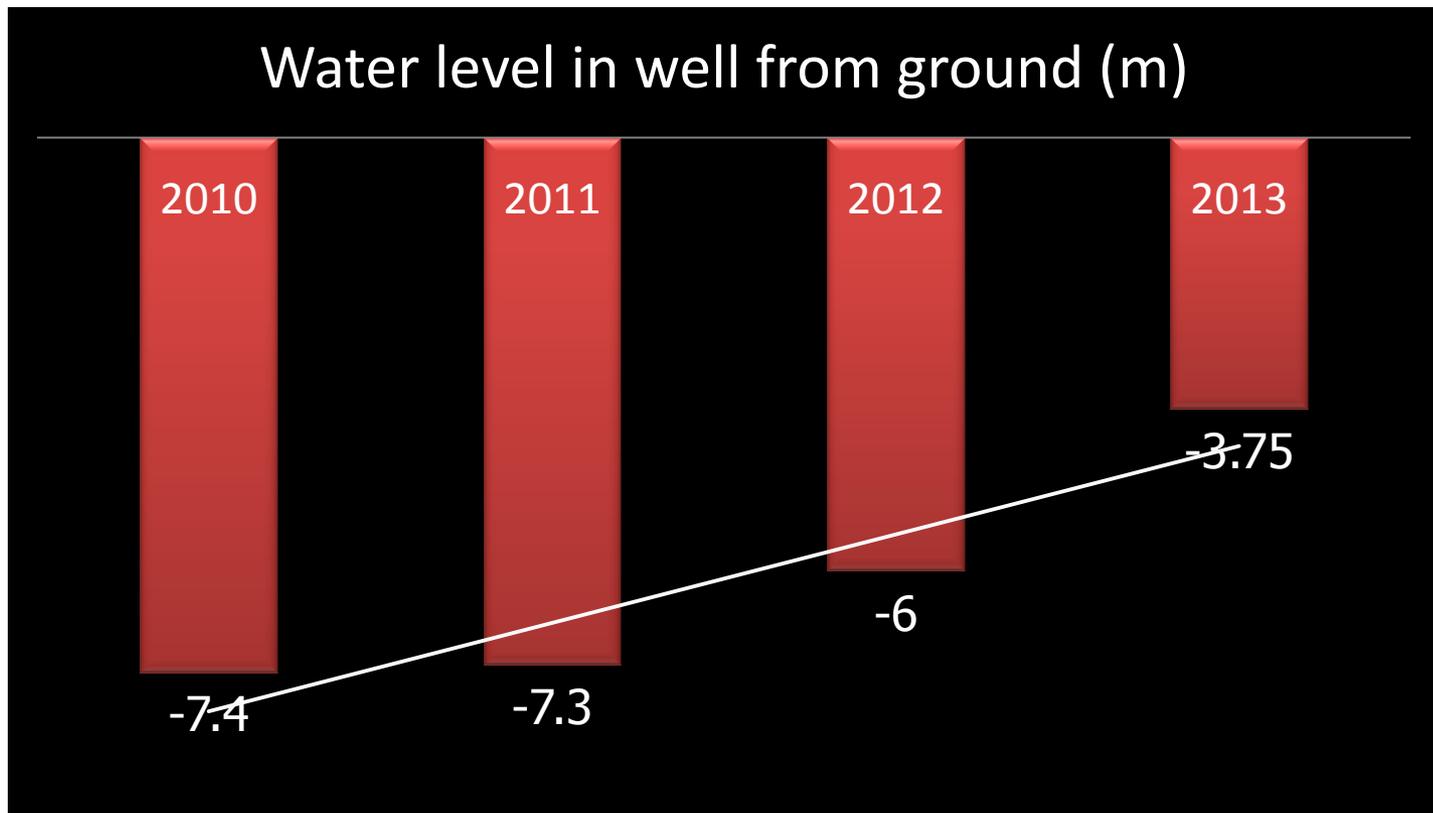
Group irrigation well– 612 units



Sprinkler sets as demo - 1,189



Recharge of ground water



Impact : Pratapgarh



Village Institution Building



More than 1,200 WUGs





Truth has nothing to do with words. Truth can be likened to the bright moon in the sky. Words, in this case, can be likened to a finger pointing to the moon - do not mistake the finger for the moon.