

Sustainable Water Management

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- Precipitation intensity, Infiltration & Flood control
- Recycled Water Supply for Secondary use (toilet flushing & gardening)
- Water Management in Agriculture is Key to Sustained Availability of Water.
- Pollution control (fertilizer & pesticide) .

Fundamental Right to Drinking Water

- Minimum supply ?
- Metering, Implementation, Price,
- Habit, tradition
- Use, Misuse, Abuse ????????
- Removal of waste water and its safe re-use

Precipitation - 1

- Smart Weather stations are needed in every micro-watershed to record and transmit INTENCITY OF RAILFALL in real-time.
- A Dynamic Precipitation Data processing is indispensable for advanced Water Management and Flood control.

Precipitation - 2

- Re-afforestation planting needs to be along closer contour interval to avoid immediate runoff.
- Haphazard work is counterproductive.
- Forest floor needs time to regain its capacity to recharge Ground Water.

Irrigation Management is KEY to Sustainability

- We must understand that Plants require MOISTURE at its root zone, NOT WATER.
- Green Revolution phase-2 is required to double the farmers' income using minimum Water Resource.

IRRIGATION and DRAINAGE are 2 sides of the same coin

- To sustain water infiltration, Run-off needs to be addressed in a big way.
- To prevent flooding, a fresh assessment of existing infrastructure has become necessary.

Pollution Control in Agriculture

- IT to monitor use / Misuse
- With GST in place
- AADHAAR issued to all
- PDS / Smart Ration cards
- Soil Health Card being issued progressively.
- **All Chemical Fertilizer & Pesticide sales need to be monitored first to address the problem of Pollution Control of water resources.**

Metering & Monitoring of Tube-wells

- How to prevent over exploitation?
- Water mining Legislation
- Quality of Meters