

Some glaring facts:

- ① Population increase since independence 360 million to 1.1 billion
- ② Per Capita water availability 5600 m³ to 1700 m³ per annum
- ③ 85% of water is for irrigation. -
Reduction of water losses.
Drip Irrigation etc
Modification of crop pattern.
New methods of growing etc.
- ④ We are yet to develop 80% of our hydro power potential
- ⑤ Nanotechnology application for
• for purification of waste water (domestic as well)
• for Desalination
- ⑥ Global Warming Effects
effect on water - water cycle.
to be studied in detail
• increasing rain fall areas
• Drought-prone areas - intense floods
• Sea Level Rise
• Snow melt effects
- ⑦ Drip irrigation to be made compulsory
- ⑧ Genetic Engineering -
Paddy crop do not require standing water
Water-Stress tolerant variety
- ⑨ IT Based Farming - for promotion Fresh Bunk
optimization of water, fertilizers, pesticides
- ⑩ Nano Tech - removal of salts and minerals
help in desalination
- ⑪ Removing Carbon-Tetrachloride, Arsenic, & radioactive
contaminants

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Cosmin
Impact of Global Change on Latin - project undertaken by Ministry of Foreign
and Economic and Financial Affairs of India

Water

1. Agni, Venu } Vedas
Fire Water
2. Land $\frac{1}{5}$ Water Coverage $\frac{1}{15}$ of the Globe.
Stu shortage of water - Salt water - not potable
not for drinking }
not for industry }
3. Total Rainfall over India - Men can
engage to meet the need. But 70% of it goes
to the sea. Quota is lot is low.
Conservation is the key. We
are consuming less & consuming less.
4. Water is not on the globe is
you do not produce water any more on the
earth. We have to live with the original gift
of the divine. Create of the earth.
No way for producing water - Hydrogen - air cycle
on the other side of the globe. We are looking
for the way around. I see the water of the
sea as hydrogen fuel - for the future creation of

→ The future
5. The Three R's - Reduce, Reuse, Recycle.
The only Mantra
Example of Colorado - Every Drop is used. Refined water is
6. Problem to be treated at better level.

7. Technical Problem -
Management Problem -
- Global -
Country - Regional
Country -
Zones within the Country
:
- Unlike Petroleum
Water is fully
consumable, Water
is not - it is
not destroyed as
Water. So Conservation,
is the answer



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- (i) Inter-Country of Rivers.
 - (ii) Siltation of Lake Beds
 - (iii) Co-Grand Lake Swamps
 - (iv) Currents of Check Dams
 - (v) Currents of Mega Dams.
 - (vi) Desalination of Sea Lakes.
 - (vi) Desilting of Ashy Rivers
 - (vii) Rain-Lake Harbors.
 - (viii) Deep Joints.
 - (ix) Recharging of Lakes --
 extreme purple
 Sanitary purple
 Drinking Lakes.