

The climate crisis should inspire consumers across the political spectrum on diminishing-wasteful consumption of groundwater resource, Analyse (200 words)

The World Water Development Report of 2022 on Groundwater launched by UNESCO has encapsulated global concern over the sharp rise in freshwater withdrawal from streams.

Why indiscriminate use of groundwater?

Global Scenario

- (1) Pure water requirement in tech development like chip, etc
- (2) Water guzzling crops like paddy, sugar cane.
- (3) Poor water management like embankment
- (4) Poor water harvesting techniques

U.P.S.C.

इस भाग में कुछ
न लिखें
(Don't write anything
in this part)

प्रश्न संख्या
(Question No.)

Or no incentive to harvest water

Indian Scenario

- (1) Monocrop culture and water guzzling crop in states like Punjab, Haryana, Western UP, Tamil Nadu lead to indiscriminate use of ground water.
- (2) Indiscriminate use of ground water by industry and agriculture.
- (3) MSP for particular crops lead to monoculture.
- (4) Poor watershed management, and water harvesting techniques.

Political and Institutional Intervention

- ↳ UNESCO's recommendations to manage groundwater sustainably, with help of enabling effective legal and institutional environment
- ↳ Codification of the international custom - any law principles that govern the transboundary aquifers

⇒ Communes are invited to develop adequate and effective framework for ground water governance.

India's Scenario

⇒ There has been decrease in the level of ground water level from level of 2004.

⇒ Watershed management through MGNREGA scheme.

⇒ Water harvesting technique used in TN, & Rajasthan. Several of tanks and ponds for water conservation.

⇒ Public participation for water conservation through dissemination of information.

⇒ Jaldot App for checking status of water during pre and post monsoon season.

→ Thus, collective action through govt. agency is required for ground water conservation.