

UPDAAN

2025

Water Resources

Geography

Lecture – 03

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Topics

to be covered

- ① Dams—Disadvantages
- ② Case Study
- ③ Govt. Scheme
- ④



QUESTION



An artificial lake in _____ was constructed in 11th century

- A** Kanpur
- B** Kerala
- C** ✓ Bhopal
- D** Mizoram

**Kuch Nahi Hua Vro.. Bas Dogelina ko
Dam Dikhane Le Gya tha**



**Dam Ka Gate ekdm se khul gya .. Marte
Marte Bach Hoon ..Hui..hui..**

Hey Udaanians ! Kaisan Ba ?



Tohar Class Monitor Douglas This Side ..



Dams – Disadvantages



→ 7YQ

“In recent years, multi-purpose projects and large dams have come under great scrutiny and opposition for a variety of reasons”

→ (3/5)

→ Elaborate



DAMS – Disadvantages



1. Regulating and damming of rivers
 ↓
 affect their natural flow causing
 ↓
 poor sediment flow and excessive
 sedimentation at the bottom of the reservoir. ✓



2. It results in rockier stream beds and poorer habitats for the rivers' aquatic life.



3. Dams also fragment rivers making it difficult for aquatic fauna to migrate, especially for spawning.

→ divide

→ process of laying eggs





4. The reservoirs that are created on the floodplains also submerge the existing vegetation and soil leading to its decomposition over a period of time. ✓

IMPACT OF IRRIGATION

- ① Irrigation has changed the cropping patterns of many regions
- ② Farmers have started shifting to water intensive and commercial crops
- ③ This has led to ecological consequences
↓
like Salinisation of the soil

Pradhan Mantri Krishi Sinchae Yojana

- Pradhan Mantri Krishi Sinchae Yojana has been started which ensures access to some means to protective irrigation for all agricultural farms in the country, thus bringing much desired rural prosperity.





Pradhan Mantri Krishi Sinchae Yojana

Some of the broad objectives of this programme are:

- To enhance the physical access of water on the farm and expand cultivable area under assured irrigation (har khet ko pani),
- Improve on-farm water use efficiency to reduce wastage and increase availability both in duration and extent
- Irrigation and other water saving technologies (per drop more crop) and introduce sustainable water conservation practices, etc

मित्रों एक गजब का मोटिवेशन देता हूं



ये सब मोह माया है



इसे दूर रहो, बाद में पछताओगे

मित्रो हम भी



'पहले थे दीवाने, अब लगे कमाने

DAMS –CAUSE OF FLOODS



❑ Dams that were constructed to control floods have triggered floods due to sedimentation in the reservoir.

❑ The big dams have mostly been unsuccessful in controlling floods at the time of excessive rainfall.

❑ These floods destroyed life and property and also caused soil erosion.

DAMS –CAUSE OF FLOODS



- ❑ Due to sedimentation - flood plains were deprived of silt, a natural fertiliser, further adding on to the problem of land degradation. ✓
- ❑ It was also observed that the multipurpose projects caused earthquakes }
- ❑ caused water-borne diseases and pests and ✓
- ❑ pollution resulting from excessive use of water. }

Question



Which of the following are the major objections raised against Dams or Multi-Purpose Projects ?

- A** They have caused floods
- B** Some dams have triggered earthquakes
- C** Multi-Purpose projects or Dams have also contributed to land degradation
- D** All of the above



Read the given passage about dams and answer the questions given:



Sardar Sarovar Dam has been built over the Narmada River in Gujarat. This is one of the largest water resource projects of India covering four states—Maharashtra, Madhya Pradesh, Gujarat and Rajasthan. The Sardar Sarovar project would meet the requirement of water in drought-prone and desert areas. Sardar Sarovar Project will provide irrigation facilities to 18.45 lakh hectare of land, covering 3112 villages in 15 districts of Gujarat. It will also irrigate 2,46,000 hectare of land in the strategic desert districts of Barmer and Jalore in Rajasthan and 37,500 hectare in the tribal hilly tract of Maharashtra through lift. About 75 per cent of the command area in Gujarat is drought prone while entire command in Rajasthan is drought prone. Assured water supply will soon make this area drought proof.

QUESTION



Which of the following movement opposed the construction of Sardar Sarovar Dam ?

- A** Tehri Andolan
- B** Narmada Bachao Andolan
- C** Navdanya Movement
- D** All

QUESTION



Sardar Sarovar Dam has been built over river

- A** Tapi
- B** Ken
- C** Narmada
- D** Betwa

QUESTION



Which of the following states will not be covered under Sardar Sarovar Project ?

A Maharashtra

B Chhattisgarh

C Rajasthan

D Gujarat

KRISHNA GODAVARI RIVER DISPUTE



① This dispute is due to the objections raised against Maharashtra govt. by Karnataka and Andhra Pradesh govt.
↳ for diverting more water at Koyna for a multipurpose project

② This will reduce the downstream flow
↓
Will impact agriculture and industry



Homework



Dams have resulted in floods. Discuss (3)





THANK
YOU

