



Shetrunji and Bhadar Dams of Gujarat

Why in News

Due to heavy rains, Shetrunji and Bhadar dams, the **two largest reservoirs** in the Saurashtra region (**Gujarat**), have overflowed simultaneously.

- This monsoon, rain is centred over south Gujarat, Saurashtra and Kutch regions while north and central Gujarat regions are highly rain-deficient.

Key Points

- **Saurashtra region** has received **more than 100% of its [average rainfall](#)** this year.
 - However, in this peninsular region, almost **every fourth monsoon remains a deficient monsoon**.
 - Even within 11 districts of Saurashtra, **spatial distribution of rainfall remains skewed**, as evidenced by 12 different years in which either only Bhadar or Shetrunji dam overflowed.
- **Shetrunji and Bhadar Dam:**
 - **Shetrunji** is located in **Bhavnagar** district and has a designed gross storage capacity of 308.68 million cubic metre (mcm), the **largest** in Saurashtra region.
 - **Bhadar** is located in **Rajkot district** and has a gross storage capacity of 188.14 mcm, the **second largest** in the Saurashtra region.
 - The **two dams are across Shetrunji and Bhadar rivers**. These rivers flow in opposite directions and the two dams have different catchment areas. Geographical location of these dams in Saurashtra makes them a good indicator of rainfall distribution in the region.
 - **[Sardar Sarovar Dam](#)**, also called Narmada Dam, is the largest reservoir in Gujarat.
- **Shetrunji River:**
 - It originates from the **Amreli district**. It is an **east flowing river** and outfalls into the Gulf of Khambhat.
 - **Tributaries:** Safara, Shel, Khari, Talaji, Stali, Thebu, Gagadia, Rajwal and Kharo.
- **Bhadar River:**
 - It originates from **Jasdan taluka of Rajkot**.
 - **Tributaries:** Gondali, Chapparwadi, Phopal, Utawali, Moj, Venu, Vasavadi, Surwa and Galolia.



Source: IE

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