

# Bushehr nuclear plant

June 21, 2021

**In news-** Iran's sole nuclear power plant underwent a temporary emergency shutdown.

## **About the nuclear plant-**

- This is the first time the plant has been shut down.
- It **went online in 2011 with help from Russia.**
- Bushehr is **fueled by uranium produced in Russia** and is monitored by the International Atomic Energy Agency (IAEA).



- It is the **first civilian nuclear power plant built in the Middle East.**
- Several research reactors had been built earlier in the Middle East: two in Iraq, two in Israel, one in Syria and three in Iran.
- Russia transferred the operational control of the Bushehr nuclear power plant to Iran on 23 September 2013.
- The plant is located near the **boundary of two tectonic plates, the Arabian plate and the Eurasian plate.**
- The plant is designed to withstand without serious

damage a magnitude 8 earthquake, and survive up to magnitude 9.

- Iran is with Israel one of the two countries in the world with significant nuclear activities not to ratify the **1994 Convention on Nuclear Safety**, a system of peer review and mutual oversight.