State's First 500 MVA Transformer Energized in Bhopal

Why In News?

On September 1, 2022, Rajesh Srivastava, Chief Engineer of Madhya Pradesh Power Transmission Company, said that recently Madhya Pradesh Power Transmission Company successfully energized the state's first 500 MVA power transformer at 400 KV substation Bhopal.

Key Points

- Madhya Pradesh Power Transmission Company has installed a power transformer of 500 MVA capacity for the first time in its transmission network of the state at an estimated cost of about Rs 25 crore.
- Madhya Pradesh Power Transmission Company has selected this 500 MVA capacity power transformer manufactured by M/s T&R specially designed at the place where 400/220/132 KV power transformer of 400/220/132 KV will be installed at Bhopal. has been installed.
- Chief Engineer Rajesh Srivastava said that so far conventional 315 MVA power transformers have been installed in 400 KV substations. Instead, for the first time, this is the first power transformer of 500 MVA capacity, which has been installed as part of the government's intention to adopt more and more innovations.
- The advantage of this innovation is that the number of power transformers of 315 MVA capacity is installed in the same infrastructure as the transformer of 500 MVA capacity. This saves the process of installing additional transformers, money and labor. Also, the sudden load demand in substations can also be met. After the installation of this transformer, the capacity of 400 KV substation Bhopal has increased to 1445 MVA.
- Apart from the urban and industrial area of Bhopal, apart from Bairagarh, Vidisha, Mugalia Chhap, Ashta area will also benefit greatly from the installation of this transformer. With the installation of this transformer, quality adequate power supply can be done in these areas in proper voltage. Also, Ashta, Ujjain region will also be able to get support from Bhopal.