



Power Supply from Towers Built on Pile Foundation

Why in News?

- Recently Madhya Pradesh Power Transmission Company, in the expansion of its transmission network for the first time in the state, has supplied electricity from very high-pressure towers on pile foundation.

Key Points

- At a cost of around Rs 31 crore, the company has successfully used the technology in the construction of four towers in the middle of the 2.5 km length of the 132 KV Budhni Mohasa (Bavai) DCDS (Double Circuit Double Stringing) line.
- These towers have been built in the Tawa River passing near Mohasa village. This line of total 32.9 km was recently electrified.
- The construction of very high-pressure lines by crossing rivers, ponds, drains etc. has always been challenging in front of the company. They were often constructed with long spans at either end of the river. This caused problems in construction as well as in maintenance. By adopting this new technology, now these towers have been constructed by making a pile foundation inside the river itself.
- Engineer Sanjay Kulshreshtha, Chief Engineer, Faculty of Planning and Designing of the company, said that this technology being used by the company for the first time will prove to be a milestone for construction of transmission line. For this, the company has prepared special design foundations.
- This technology provides considerable flexibility to the construction work in an area of submerged and uneven geographical conditions, leading to changes in the construction of the lines as needed and subsequent ease of maintenance.