

Printed from

THE TIMES OF INDIA

New 400 kV substation set to supply power to projects off Yamuna eway

TNN | Jun 30, 2023, 08.39 AM IST

NOIDA: The Uttar Pradesh cabinet approved a new substation of 400 kV capacity in Sector 28 off the Yamuna Expressway. It is expected to supply power to some of the upcoming projects in the region, such as the film city, data centre, medical device park, electronics manufacturing cluster, and other industrial units.

The gas-insulated substation (GIS) will be built at a cost of Rs 140 crore, and its first phase of 220 kV capacity will be funded by the Yamuna Expressway Industrial Development Authority (YEIDA). The first phase of the substation is expected to be ready by the end of 2025.

“In the project’s first phase, a 220 kV substation with all its feeder bays will be built at a cost of Rs 140 crore. Since this will be a GIS facility, the cost will be higher than the normal substations, which cost nearly Rs 45 to 60 crore. The substation will be a long-term facility that will be functional for 35 years and will provide supply to upcoming projects under the Yamuna Authority’s areas,” said PK Srivastava, the executive engineer at Uttar Pradesh Power Transmission Corporation Limited (UPPTCL).

Srivastava goes on: “We will soon begin the construction of the boundary wall, followed by the building and equipment of the substation. The first phase will include all feeder lines connected to it, including the 33/11 kV line bifurcations. The tender for it is already allotted. We expect to complete the work by the end of 2025.”

The second phase of the substation will be made on public-private partnership (PPP) mode through tariff-based competitive bidding (TBCB).

TBCB refers to a process in which developers bid to build new power generation facilities. The winning bid is awarded a long-term power purchase agreement at a fixed price or tariff.

“This process determines the most cost-effective way to build new power infra capacity and is the latest format used across Meerut, Noida, Ghaziabad and other parts of Uttar Pradesh for infrastructure build-up. In this, we will pay the fixed tariff to the company that's selected through TBCB to build the facility for a select period as per laid down norms,” explained Srivastava, adding that the second phase will be after the completion of the first phase.

YEIDA will also get two other new substations of 220 kV capacity each this year by mid-August and October as reported earlier by TOI. The substations are being built in sectors 18 and 24 and will be connected to the 765 kV substation at Jahangirpur for supply connections. Once operational, they will generate about 500 MW of power supply which will benefit sectors 18, 20, 24, 22D, and 22E, among others.