

## **HVAC installation ( *heating, ventilation, air conditioning* ) in a 6kV switchgear**

According to the client's requirements, the HVAC system in the 6kV switchgear was designed and constructed. The system was based on mechanical supply and exhaust ventilation with air cooling. Due to the need to ensure proper operation of installed/located equipment inside the switchgear, it was necessary to ensure proper temperature parameters. In addition, also, due to the specific nature of the operation of electrical equipment and the constant emission of heat inside the switchgear, it was advisable to provide cooling of the supply air, practically throughout the year. This was achieved through the use of a dedicated air cooler and the right amount of air exchange in the switchgear. The HVAC system operates in a fully automatic manner adapting to the user's pre-set operating parameters, without the need for constant supervision. Parameters such as, temperature indications, unit status, emergency states can be sent remotely to the responsible persons.