

Rețele Electrice România launched a tender of over 65 million lei for the modernization of the Basarabi transformer substation in Constanța County

Constanța – Rețele Electrice România, part of the PPC group in Romania, launched on the electronic public procurement platform SEAP a public tender with a value of over 65 million lei (excluding VAT), financed from its own funds, for the modernization of the high-voltage installations of the 110/20 kV Basarabi transformer substation.

The transformer substation is located outside the city of Murfatlar and has an important role in making the connection between different stations, being a significant node in the distribution network in the Dobrogea area. This is the largest electrical transformer substation in the region, at the interface with the National Energy System.

The Basarabi substation serves over 10,000 customers in the area of Constanța and the localities of Agigea, Bărăganu, Ciocârlia, Medgidia, Murfatlar, Poarta Albă, Topraisar and Valu lui Traian.

The investment is meant to provide a better distribution service to customers in the Municipality of Constanța and nearby localities, as well as a better stability of the network in the area, as the Basarabi substation also ensures the distribution of important producers in the area, both from renewable sources and CET.

The works included in the tender provide for the electromechanical equipment of the substation, by completely replacing the primary and secondary equipment. 18 new 110 kV cells will be installed: 13 110 kV line cells, two 110 kV power transformer cells, one 110 kV combined coupled cell and two 110 kV metering cells.

The two 110/20 kV power transformers, each with a capacity of 25 MegaVolt-Amperes (MVA), as well as the neutral control and treatment equipment and the extinguishing coils, will also be replaced. The works will also include the reconfiguration of all high-voltage equipment, by switching them from an overhead power line configuration to a mixed power line configuration.

The new equipment will be introduced into the existing remote control system, which ensures remote monitoring and operation of the network and quick maneuvers without the teams moving in the field. Thus, the time of planned and unplanned outages will be significantly reduced.

In order to reduce the interruption times of the high voltage lines to the minimum possible during the works, the implementation of the investment will be phased, the technical solution allowing this approach, since there is space available inside the station for the relocation of all the cells as the works are carried out.

In addition, a system of photovoltaic panels will be implemented to cover a significant part of the own energy consumption of the equipment and the station.

The deadline for submitting bids is 05.10.2026, and the works will last 36 months from the conclusion of the contract.

Rețele Electrice România assumes responsibility for environmental protection by applying a certified management system, which aims to reduce the impact of activities on the environment. The company responsibly manages the waste resulting from the electricity distribution activity, complying with the legislation in force and its own integrated system, ensuring its reuse, recovery or disposal through authorized economic operators. At all stages of the execution of the works, the legal requirements and applicable environmental standards will be complied with.

The company **Rețele Electrice România** operates networks with a total length of about 136.000 kilometers in three major areas of the country: Muntenia Sud (including Bucharest), Banat and Dobrogea, covering one third of the local distribution market, and develops an investment program to improve the quality of services, safety and performance of the networks and local implementation of the environmental standards of the PPC group. The electricity infrastructure operated by Rețele Electrice România includes 293 power stations and over 26.000 secondary substations.