

APPLICANTS' GUIDE FOR THE WIND POWER PLANTS (WPPs) CONNECTION TO THE POWER TRANSMISSION GRID

The guide is addressed to the investors interested in the wind power plant power generation in Romania and it includes the relevant documentation, outlining the stages meant for the wind power plants connection to the power grids of public interest.

1. The wind power plants have technical and operational features that make them different from the other types of power plants. "Justification study on Transelectrica's strategy for the integration of the wind-based power generation in the Romanian Power System (RPS)" a public document that may be found on the website: www.transelectrica.ro makes an in-depth presentation of the technical and operational features of the wind power plants.
2. Another topical issue on the wind-based power generation integration in the RPS refers to the minimum technical requirements that must be met by the wind power plants at the connection to the power grid of public interest. The aforementioned study outlines the minimum technical requirements developed by Transelectrica that have been inserted in the Technical Code of the Power Transmission Grid and have been approved by ANRE (National Energy Regulatory Authority) Order 51/2009.
3. Users' connection to the power grids is performed as per the regulation approved by the Government Decision (GD) 90/12.02.2008, which entered into force as of June 13th, 2008. This document stipulates the cases where the power grid operator approves the connection to the power grid based on the Connection Technical Permit (CTP) and on the connection stages as well. The connection stages are mainly related to:
 - a. submitting the connection application and documentation in order to get the CTP;
 - b. CTP issuance;
 - c. concluding the connection agreement;
 - d. work contracting and execution, acceptance and commissioning of connection facilities.
4. The connection application and its annexes are directly submitted or mailed to CN Transelectrica SA, the Technical Division – Grid Planning Department.
5. The connection application should include the following information (GD 90/2008, art. 11):
 - a. relevant data on the generation or consumption location, on the user and, if the case, on the proxy, on the specialty designer or on the supplier;
 - b. type of the facilities at the generation or consumption location for which the connection had been applied for;
 - c. estimated date required to energize the facilities on site, the power foreseen to be delivered or consumed and its evolution;
 - d. indications on the electricity metering unit or information on its setting up;
 - e. applicant's declaration on the data trueness and on the compliance with the originals of the documents submitted in copies attached to the application;

- f. list with the documents attached to the application as per art. 12 in the GD 90/2008.
6. The documentation attached to the connection application will consist of the following (GD 90/2008 art.12):
 - a. a copy of the project location approval or of the plant to be constructed on the generation or consumption site;
 - b. solution study on the connection to the power grid;
 - c. technical data and energy features of the user's power generation or consumption location;
 - d. a copy of the town planning certificate in force;
 - e. the site plan at scale with the location in the area of the generation/consumption place endorsed by the town planning certificate issuer as its attachment, for new constructions;
 - f. a copy of the registration certificate at the commerce register;
 - g. ownership document or any other document attesting the right to use the relevant land, enclosure, building where the power generation or consumption is developed and for which the grid connection is required, in copy;
 - h. a valid construction permit for the project, in copy, in case of an application for the grid connection of a site management needed for the project development.
7. The power grid connection solution is determined by CN Transelectrica SA solution study developed based on the applicant's data and requirements and on the power grid features (GD 90/2008 art. 14, par. (1)).
8. The solution study is developed by CN Transelectrica SA and is paid by the applicant; the costs for the solution study development are set by CN Transelectrica SA based on an estimation, by taking into consideration the principle of the free competition (GD 90/2008 art 14, par. (3)).
9. The solution study shall meet the minimum requirements in "*The regulation on setting the solutions for the users' connection to the public power grid*" approved by the ANRE Order no. 129/2008.
10. The solution study development term is max. three months since the date of the full data submission by the applicant (GD 90/2008 art. 14, par. (4)).
11. CN Transelectrica SA will collaborate with the distribution operators for the solution study endorsement, for setting the most beneficial connection solutions, and for the issuance of the Connection Technical Permit as per the "*Procedure for the collaboration of the power distribution, transmission and system operators with the view of approving the users grid connection*" approved by the ANRE Decision no. 245/2003 (which is under being reviewed) in the following cases (GD 90/2008 art. 17):
 - a. connection to the power distribution grid of a power generation facility higher than 10 MW;
 - b. for power consumption locations connection to the 110 kV power distribution grid;
 - c. for power generation or consumption locations which are to be connected to the medium voltage or to the 110 kV bus bars of the transforming substations managed by CN Transelectrica SA.

12. The applicant has to choose on the solutions defined in the relevant study and to opt for it in writing within at most two months since the study development (GD 90/2008 art. 14, par. (5)).
13. Within seven days since the connection application registration date, (Item 3) CN Transelectrica SA shall check the documentation submitted and shall send to the applicant the invoice for the Connection Technical Permit issuance payment, tariffs approved by ANRE Order no 16/2004 (GD 90/2008 art. 20, par. (1)).
14. The documentation is considered complete after its being reviewed and (if the case) after the payment of the Connection Technical Permit (GD 90/2008 art. 20, par. (4)).
15. CN Transelectrica SA issues and sends the Connection Technical Permit to the applicant within at most 30 days since the registration of the complete documentation submitted by the applicant including the provisions of Item 11 (GD 90/2008 art. 21, par. (1)).
16. After receiving the Connection Technical Permit, the applicant requires CN Transelectrica SA in writing to conclude the connection contract (GD 90/2008 art. 30, par. (1)).
17. The applicant pays to CN Transelectrica SA the connection tariff set as per the methodology approved by ANRE (GD 90/2008 art. 31).
18. To conclude the connection contract, the applicant shall attach to the application the documents mentioned at art. 32 letters a.÷d. in the GD 90/2008.
19. Within 10 calendar days since the application registration date and meeting the requirements at Item 14, CN Transelectrica SA – the Technical Division, the Assets Management Department – sends the connection contract draft to the applicant (GD 90/2008 art. 33).
20. Concluding the connection contract between CN Transelectrica SA and the applicant.
21. The power transmission grid (PTG) connection work contracting and execution.
22. Commissioning of the connection facility.
23. Energizing the applicant's facility.
24. In case the applicant requires the connection to the power grid as per one of the conditions stipulated in the GD 90/2008, art. 5, par. 2), par. 3) and par.4) without exceeding the power approved by the connection technical permit for the relevant generation or consumption location, the documentation will be submitted to CN Transelectrica SA – the territorial power branches that manage the zonal power grid, for being analyzed and approved.

Whether further information is needed, please contact:

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