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Tokamak T-15MD - two years before the physical start-up

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At the present time, in the NRC Kurchatov Institute within the Federal Target Program “Nuclear energy-technologies of new generation for period 2010 - 2015 and to the prospect until 2020” the tokamak T-15MD with supporting facilities is being built. The preassembly of the tokamak T-15MD magnet system together with vacuum chamber was completed at a plant in Bryansk. All elements of the magnet system and vacuum chamber will be delivered to the NRC “Kurchatov Institute” in Moscow for the tokamak T-15MD assembly. It is expected that the T-15MD assembly will be completed by the end of 2018. The reconstruction of sub-station 110/10/0,4 kV for own needs was completed in 2017 and the reconstruction of the main sub-station 110/10/1 kV, 300 MW is completed in 2018 year. Twenty- two of the new transformers 10/1 kV and the same new thyristor convertors will be installed during the 2018-2019. One gyrotron with output power 1 MW for pre-ionization should be installed in 2019. Tokamak T-15MD connection to water and electrical communication and also the adjustment of control system will be completed in the middle of 2020. Physical start-up T-15MD is scheduled for December 2020 year.

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