



**Construction of the main stepdown substation 220-6-6 kV with
installed power of 2x63 MVA on a turnkey basis**
Lebap velayat, Turkmenistan





Development stages:

- Design works, undergoing a state expert review of Turkmenistan
- Equipment delivery
- Construction and installation works
- Electrical installation works



Construction was carried out in remote area in the absence of specialized equipment, as well as in adverse climate conditions (45-48 °C – average temperature in summertime, -25 °C – average temperature in winter).





Beginning of construction and installation works – August, 2013
Completing of construction and installation works – November, 2013
Beginning of electrical installation works – February, 2014
Completing of electrical installation works – July, 2014

Power transformers movement was made during construction works (100 tons – average mass of each one) without usage of specialized tractive equipment for reasons of its absence.



Steel constructions were made in Saint Petersburg и transported to Turkmenistan partially assemble.



For the purpose of correct work execution the branch of BHPEnergo Co. LLC in Turkmenistan has got statutory licenses for construction and installation works and electrical installation works.

