

ZTR will supply 8 transformers for Uruguay



«Zaporozhtransformator» PJSC (ZTR) has signed a contract with state power-generating company Administracion Nacional de Usinas y Trasmisiones Electricas (UTE), Uruguay. Following the contract terms, ZTR should supply 4 transformers and 4 autotransformers rated for capacity 83,3 MVA and voltage 500 kV. Equipment is purposed for operation at substations «Melo» and «Salto Grande» in Uruguay.

In 2011, the company UTE conducted the tender for delivery of the transformers; 8 international companies participated in this tender. The main competitors of «ZRE» PJSC were Siemens, ABB (Brazil), Hyosung, Hyundai (Korea), TBEA (China). Intensive and competitive struggle has resulted in confident winning of ZTR, owing to execution of all requirements to design features of the equipment, confirmation of required delivery terms and competitive price quotation.

«This is not the first delivery of equipment for state power generating company, – noted Galiya KOSHKINA, Head of ZTR PJSC Sales office of Europe and America countries. – In 1998, 10 similar autotransformers 83,3 MVA, 500 kV were manufactured and supplied for UTE. Order has been executed within record – undertime and following the high technical level. ZTR transformers even now are successfully operated by the customer». Such evidence has played the important role in decision-making at selection of the transformer supplier under new tender.

New delivery is a confirmation of ZTR reputation as reliable and competitive supplier of state-of-art equipment, and of its ability to take the orders from Latin America countries in condition of growing competition from Chinese and Korean manufacturers. Equipment dispatch is scheduled for January 2014.

La Administración Nacional de Usinas y Trasmisiones Eléctricas (UTE) is State Uruguayan Company, which deals with power generation, transmission, distribution and sale, rendering of advisory and other services. For the purpose of satisfying the needs of one million two hundred thousand clients at the country territory 176. 215 km², UTE possesses the plants of water, wind and thermal generation. The company's products are added by power generated by hydraulic power plant «Salto Grande» (bi-national company in Argentina and Uruguay) and energy generated by electro-generating plants.

ZTR is keeping on collaboration with LITGRID Company

«Zaporozhtransformator» PJSC (ZTR) has signed a contract for supply of autotransformer 125 MVA, 330/110 kV for Litgrid company (Lithuania). Equipment will be installed at substation «Alitus» instead of the transformer operated successfully at site for the period above 20 years.

In 2011, Litgrid Company conducted the tender for delivery of transformers; beside ZTR, European manufacturers of transformer equipment took part in this tender. Intensive competitive struggle as well as long-term experience of collaboration with Lithuanian company has resulted in confident winning of «ZTR» PJSC.

New delivery of ZTR is a continuation of collaboration with operator of national electrical grids of Lithuania, – noted Alexander Tzier, Sales Director of «ZTR» PJSC. – In 2012, ZTR manufactured and successfully delivered similar autotransformer for S/S «Kaunas» and autotransformer 250 MVA, 330 kV for S/S «Klypeda».

Transformer supply to the country-participant of European Community is a next confirmation of ZTR status as reliable and competitive supplier of state-of-art equipment. Equipment dispatch is scheduled for June 2014.



Litgrid (Power network of Lithuania) is operator of National Power Transmission System, which manages over energy flow in the country and ensures stable operation of power network in Lithuania; it transmits power, maintains generation and balance of power consumption using the sources of renewable energy; implements the liabilities as for communal public services in the country.

Park of ZTR transformers will provide electric power for infrastructure of Olympic Complex in Sochi

The market of Russia is one of the first-priority for «Zaporozhtransformator» PJSC. Within the period since 2005 till 2012, ZTR has supplied 2143 units of power transformers and reactors for energy and industrial enterprises of Russia in capacity 169,5 thsd MVA.

Within recent years ZTR has supplied 54 transformers for Moscow Ring, 323 transformers for 330 kV energy ring of Saint-Petersburg; performed the delivery of equipment for Olympic objects in Sochi, transformers for Sayano-Shushenskaya and Boguchanskaya HPP, equipment for new units of NPPs – Volgodonskaya (Rostov region), Kalininskaya and Novovoronezhskaya, etc.



generation company of Russia. In 2012 ZTR executed the large-scale supply of 4 transformers (520 MVA, 220 kV, 40 MVA, 110 kV, 40 MVA, 35 kV, 25 MVA, 220 kV) for construction of combined-cycle power-generating unit PGU-420 MW of SRPP Serovskaya.

Hydraulic Power Plant is located in the industrial region of Ural. Construction of PGU-420 MW will solve the problem of energy shortage in this region, which makes up 700 MW; and reliable and high-quality equipment of ZTR will ensure trouble-free operation of power plant.

OGC-2 is the largest thermal generating company of Russia having installed capacity 18,1 GW, ensuring operation of 11 hydraulic and thermal power plants. Emblematic project for ZTR was delivery of equipment of different ratings for one of such plants – TPP Adlerskaya. Within 2010–2011 «Zaporozhtransformator» PJSC specialists have manufactured, tested and successfully delivered to Thermal Power Plant 12 units: four transformers rated for capacity 16 MVA, 20 kV, autotransformer 200 MVA, 220/110 kV, three transformers 80 MVA 110 kV, transformer 25 MVA, 110 kV and three transformers 80 MVA, 220 kV. Equipment is purposed for power supply for Sochi region in which the existing power plants meet the demands of electricity approximately 25% of load. On the threshold of Winter Olympiad 2014 in Sochi, part of ZTR transformers will ensure heating of the whole infrastructure of Olympic Complex.

One of strategic partners of «ZTR» PJSC is OGC-2 (the second generating company of electric power wholesale market) incorporated into «Gasprom Energoholding» Ltd. Within interaction with the company, over recent 5 years ZTR has supplied more than 20 transformers rated for various capacities for OGC-2 objects. The first delivery was implemented in 2007. At that time, «ZTR» PJSC has supplied standby transformer 250 MVA, 500 kV for SRPP-1 Surgutskaya and hereby initiated fruitful collaboration between ZTR and



Execution of such large-scale order required from ZTR specialists to apply rationalization and innovatory solutions as well as detailed elaboration of the customer technical specification as referred to

Based on assessments of specialists, ZTR is keeping today 4% of world market of transformer production. «Zaporozhtransformator» is one of ten-top world manufacturers of transformer equipment and the largest factory in CIS countries and Europe, possessing the production capacity 60 GVA, concentrated at single manufacturing area. The company competitive advantages – high quality of products, substantial installed range of equipment, good references. In the market of Russia, ZTR today is the player №1 at generation and transmission segments.

the transformer supplied. Thus, at designing of autotransformer 200 MVA, 220/110, purposed for connection of power networks 220 and 110 kV, the main feature was unconventional requirement of the customer related to the windings. Under agreement, autotransformer had to be of two-winding design without low voltage winding. Owing to skillful works of ZTR design department the present required condition has been fulfilled.

One of the most important requirements at contract signing was presentation of technical documents, diagrams and dimensions of the transformers within undertime period – in the course of 60 days. ZTR specialists have applied maximum forces at elaboration of technical demands for the purpose of large-scaled order. Despite of efficiency of documents' preparation, additional conditions for the transformer design pursuant to the customer requirements had being occurred within deliveries, taking into account various external factors. «The Customer set up strict requirements as referred to transport dimensions of the transformers, – noted **Leonid KONTOROVICH, Technical Director «ZTR» PJSC.** – The equipment stipulated the weight restrictions – to be not more than 110 tons. The requirement was related to consideration of special features of the transformer shipment along mountain terrain and tunnels. Owing to the efforts of ZTR specialists, conditions related to outline dimensions were fulfilled, and transformers have been successfully delivered to the objects».

According to «ZTR» PJSC Technical Director, the customer also set up the additional requirements as for seismic stability of the equipment. Power three-phase, two-winding transformer 80 MVA, 220 kV, purposed for interconnection between steam turbine with switchgear 220 kV should be pursuant to seismic norms related to this region – 9-point earthquake according to MSK-64 scale. The main task of ZTR designers was development of transformer so that no any overhaul would be required within the whole operation period, and on the base of routine maintenance.

ZTR specialists were able to fulfill all requirements of the customer – promptly, skillfully and properly from technical point of view; they realized complex delivery of equipment for TPP Adlerskaya. «Zaporozhtransformator» PJSC provided the whole region with equipment and took active part in preparation of Olympiad 2014 in Sochi.

«ZTR» PJSC has the plans of further active collaboration with OGC-2 by means of provision of the objects related to generating company of Russia with reliable, long-lasting and high-level class equipment.