

Delivery of a shunt reactor to Vietnam

PJSC «Zaporozhtransformator» in consortium with Vietnamese company «Tinh Cau Ltd» successfully accomplished delivery of a shunt reactor 128 MVar 500 kV to the «Da Nang» substation (Vietnam).

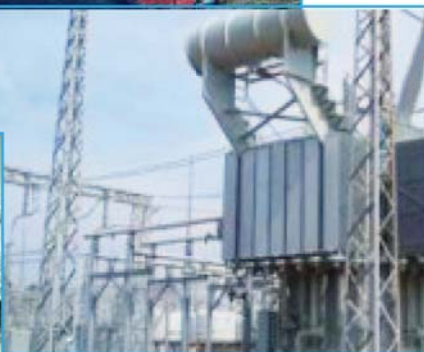
The reactor was produced for «Power Transmission Company #2» (PTC2), which is one of four regional departments of Vietnamese state corporation «National Power Transmission Corporation».

Design documentation of high quality and state of the art production allowed manufacturing of the reactor, delivering it onsite and assembling and putting into service within the shortest time.

PJSC «Zaporozhtransformator» collaborates with «National Power Transmission Corporation» for a long time. Since 2003 «ZTR» produced and successfully delivered 23 autotransformers rated for 220 and 500 kV and 4 shunt reactors rated 500 kV for the Vietnamese corporation.



New test stand is implemented



PJSC «Zaporozhtransformator» signed the contract for delivery of the transformer rated for 400 MVA 220 kV for Aksuskaya HPP (Aksu, Pavlodarskaya obl., Kazakhstan). Delivery of the equipment will be fulfilled as a part of the reconstruction project of transformers fleet of Kazakhstan hydro power plant.

From the beginning of 2001 ZTR executed successful delivery of 5 transformers with a capacity of 400 MVA rated for from 220 to 500 kV to Aksuskaya HPP. Experience of fruitful collaboration and most acceptable for the customer prices and delivery times determined selecting PJSC «Zaporozhtransformator» as the manufacturer of transformers. The main competitor in the bidding for this order was Tolyatti transformer plant (Russian Federation).

The new contract once again confirms level of credibility to PJSC «Zaporozhtransformator» as a producer of quality equipment and this also strengthens its positions on the market of Republic of Kazakhstan.

Aksuskaya HPP is the major supplier of electricity to the power market of the republic, the reference node connecting electric power system of Western Siberia, Altai territory and North-East Kazakhstan. The rated output power is 2100 electrical

megawatt, 7 electrical power units of maximum capacity 300 electrical megawatt.

The major consumers of electricity are Aksuskiy ferroalloy plant (affiliated branch of public company TNC «Kazkhrom»), public company «Sokolovsk-Sarbaysk mining and concentrating production association, public company «Mittal Steel Temirtau», public company «KEGOK», other regional electric grid companies and power supply organizations.

Overall results of work of the service center in 2nd quarter of the year

PJSC «Zaporozhtransformator» sums up the results of work of the service center in the second quarter of 2015. In the 2nd quarter of the current year the contract supervision department completed assembly of 32 units of transformer equipment including 27 transformers and 5 reactors. The works were carried out on the strategic major projects in the Republic of Kazakhstan, Argentina, Ukraine, Russia, India etc.

Currently there are carried out works on assembly of reactors rated for 110 MVA 765 kV at the «Wardha» substation, autotransformers 500 MVA 765 kV at the «Champa» SS and «Vindyachal» SS in India, a transformer 300 MVA 500 kV with ZTR monitoring system at the «Bracho» SS and a transformer 150 MVA 500 kV at the thermal power station «Loma de la Lata» (Argentina), transformers 40 MVA 110 kV at TPP-3 (Kazakhstan), transformers 63 MVA 330 kV at Zaporozhskaya NPP (Ukraine) and other sites of Ukraine and Russia.

During the second quarter of 2015 the department for technical diagnostics successfully executed preliminary works on complex and special diagnostics (programs, construction analysis, test-plans) at the sites: «Poltavaoblenergo» – 43 transformers, «Chernigovoblenergo» – 29 transformers, «Central Energy Company» – 27 transformers, «Sumyoblenergo» – 9 transformers, «Vinnytsaoblenergo» – 7 transformers.



Specialists of the repair division fulfilled the works of 10 transformers on emergency and reconstructive maintenance with replacement of windings of transformer 400 MVA 500 kV at Toktogulskaya HPP (Kyrgyzstan), overhaul of the transformer 200 MVA 330 kV at the «Bitenay» SS (Lithuania), works on inspection of active part on transformers 125 MVA 220 kV at the «T-10» SS, 250 MVA 500 kV at Zeyskaya HPP, 167 MVA 500 kV at the «Shakhty» SS, 200 MVA 330 kV at the «Prikumsk» SS (Russia), replacement of bushings on transformers 135 MVA 500 kV at Volzhskaya HPP, 167 MVA 500 kV at Novovoronezhskaya NPP. Currently there are carried out works on restoring repair with replacement of windings of three reactors 50 MVA 500kV at SS «Makachin» (Argentina), overhaul of the transformer 200 MVA 220 kV at Cheboksarskaya HPP (Russia) and others.

In addition there is carried out the preconditioning of repair of the transformers at the facilities of «Poltavaoblenergo», «Chernigovoblenergo», «Central Energy Company», «Sumyoblenergo», «Vinnytsaoblenergo» (programming, familiarization with technical documentation).

Under the conditions of increased competition specialists of service center of PJSC «ZTR» strive for executing the work most proficiently in order to meet the demands of the customer not only regards quality and product reliability but also the service level.

Hand-power hydraulic press is implemented for molding of cable thimbles

PJSC «Zaporozhtransformator» continues to improve and support production technology of particular accuracy. Specialists of ZTR successfully implemented in the workshops of the plant technology of cable thimbles molding on copper cable by means of hand-power hydraulic press HK 120/42 by «Klaue» (Germany).

Adoption of the hand-power hydraulic press permitted to execute operations of molding of cable thimble with comfort and safety. Applicable replaceable matrices for the press by «Klaue» embrace wide range of cable thimbles molding on copper cables with sectional view from 16 to 150 sq. mm. After executing of molding the press automatically clears the clamping rod with the matrix and that allows rising of working efficiency and saving operating time.

According to specialists of «ZTR» the equipment of German manufacturer is easy-to-use and permits to cut down physical exertion and to raise the efficiency of the fulfilled work.



«ZTR» management system meets the requirements of Bureau Veritas Certification



PJSC «Zaporozhtransformator» successfully underwent routine compliance certification of the integrated management system with international standards ISO 14001 «Environmental management system» and OHSAS 18001 «Safety and health promotion system».

Main production shops and departments were audited. The inspection was performed by the company «Bureau Veritas Certification» (Ukraine), the representative office of the French independent certification organ with the same name, acknowledged in more than 100 countries of the world.

In their report representatives of «Bureau Veritas» noted strong points of ZTR management system. They include implementation of principle of constant growth of IMS effectiveness by the top-management of the plant, business-planning for each department and availability of internal portal for exchange of information.

According to the results of the compliance certification there were not found out any discrepancies at the enterprise.