



Project: Rehabilitation of Units 5 and 6 of Kanaker HPP

Customer: Alstom Power Generation AG (Germany)

Years: 1999-2002

Performed works:

- Replacement of power and switching equipment of open switchyard -110/10 kV (110/10 kV transformers, gas-insulated circuit breakers, disconnectors, current transformers, surge arresters)
- Complete installation of the 110 kV primary buses
- Manufacturing and installation of the cable channels
- Installation and commissioning of power and control cables
- Installation and commissioning of 0.4 kV self needs direct current control and distributing panels
- Installation of excitation system
- Installation of protection and control panels
- Installation and commissioning of generator and power transformer fire protection systems
- Installation and commissioning of 10 kV electrical equipment closed type distribution device (CDD)
- Manufacturing and installation of 10kV rigid busbars
- Installation and commissioning of crane facilities
- Installation and commissioning of gate shutters
- Installation of electrical parts of Unit 5 and 6 turbines



Project: Rehabilitation of 220 kV substation "Vanadzor-2"

Customer: Alstom Energietechnik GmbH (Germany)

Years: 2001-2003

Performed works:

- Replacement of power and commutation equipment of the 220/110/35 kV open switchgear
- Installation of primary busbars of the of the 220/110/35 kV open switchgear
- Installation and commissioning of power and control cables
- Installation and commissioning of earthing system
- Installation and commissioning of 0,4 kV direct current self needs distribution panels and control panels
- Installation of protection and control panels
- Installation and commissioning of lighting, heating, air-conditioning and ventilation systems at the control building
- Installation of false floor and ceiling at the control building
- Installation of the 35/10 kV end muffs (Raychem)
- Complex commissioning of the installed equipment

Project: Rehabilitation of 220 kV substation "Kamo"

Customer: Alstom Energietechnik GmbH (Germany)

Year: 2001-2003

Performed works:

- Replacement of power and commutation equipment of the 220/110/35 kV open switchgear
- Installation of primary busbars of the of the 220/110/35 kV open switchgear
- Installation and commissioning of power and control cables
- Installation and commissioning of earthing system
- Installation and commissioning of 0,4 kV direct current self needs distribution panels and control panels
- Installation of protection and control panels
- Installation and commissioning of lighting, heating, air-conditioning and ventilation systems at the control building
- Installation of false floor and ceiling at the control building
- Installation of the 35/10 kV end muffs (Raychem)
- Complex commissioning of the installed equipment