

Diversification into Other Complex Engineering Projects

Table 3.3. List of TPP Generating Units Being Constructed and Designed by the Integrated Company, and Status of Work



Further plans under the project include fulfillment of obligations within the guarantee term (guarantee term expires in 2014).

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Projects	Status of Work as of the End of 2012
Nevinnomysskaya TPP Generating Unit 1	Project completed
Yuzhnouralsk TPP Generating Unit 1	Construction
Yuzhnouralsk TPP Generating Unit 2	Construction

In 2012 the Integrated Company carried out construction of two thermal power plants: the Nevinnomysskaya TPP and the Yuzhnouralsk TPP (see Table 3.3).

Stavropol Territory. Nevinnomysskaya TPP

Project description. In 2008 OJSC OGK-5 and the consortium of ENEL Produzione S.p.A. and ASE signed the contract on management of engineering, procurement and construction of the generating unit of the combined cycle gas turbine plant (CCGTP) with a capacity of 410 MW on the site of the Nevinnomysskaya TPP. The consortium executed this project on the basis of EPCM model. The scope of responsibility of the Integrated Company within this project included performance of engineering survey on the site, preparation of feasibility study (FS) and working design estimate specification (DES), supply of accessories, general construction operations (including supply of building materials), mounting of the equipment, assistance in start-up of the generating unit equipment, and modernization of high-voltage 330 kV substation on a turnkey basis. The customer of the project was OJSC OGK-5.

2012 results. Construction of the second, third and fourth start-up facilities was completed. The power plant construction was finished in due course. Consortium prepared, signed and passed to the customer the End Facility Acceptance Certificate and the Certificated of End Facility Acceptance by the Acceptance Committee. In 2012 the profit with respect to the project amounted to nearly 20.7 million USD excluding VAT.

2013 arrangements. Signing of the specified certificated by the customer is scheduled for 2013.

Chelyabinsk Region. Yuzhnouralsk TPP-2

Project description. In 2009 ASE and OJSC OGK-3 signed the contract on construction of energy complex of Yuzhnouralsk TPP-2 on the basis of the EPC model. The customer of the project is OJSC OGK-3. According to the technical solution of the customer, the energy complex of the Yuzhnouralsk TPP-2 is a condensate combined cycle power plant (CCCPP) including three generating units with a capacity of 400 MW each with additional structures and utility lines. ASE put forward a proposal on construction of three 415 MW single-shaft generating units on the basis of Siemens Power Island (gas turbine power plant, steam turbine power plant, and generator) and three-loop waste-heat recovery unit.

2012 results:

Generating Unit 1

In 2012 start-up operations were carried out and 90 percent completed by the end of the year. 2012 the profit with respect to the project amounted to nearly 12 billion rubles excluding VAT.

Generating Unit 2

On May 14, 2012 the general contractor contract was signed. 80 percent of working documentation was prepared by the end of the reporting period. In addition, in 2012 operations of the preparatory stage were fulfilled including vertical leveling, commissioning of temporary electricity supply, construction of motor highway and administrative building, arrangement of main building pit, foundations for main building structures, waste-heat recovery unit and smoke stack, mounting of main building metal structures. In 2012 the profit with respect to the project amounted to nearly 173 million rubles excluding VAT.

2013 arrangements:

Generating Unit 1

In 2013 it is planned to completed start-up and commissioning of the unit (planned date of commissioning September 30, 2013). Final completion of project operations is scheduled for October 2013.

Generating Unit 2

The main tasks for 2013 include completion of the main building thermal envelope (by the end of December), supply and mounting of the Power Island equipment. In 2013 it is planned to complete main construction operations, major part of work on equipment mounting, and to launch start-up.

