

Sarakhs to Neka Gas Supply System

National Iranian Gas Company



Iran's Sarakhs to Neka Gas Supply Project was an important development in the country's industrialization program of the 1970s. Apart from the well known oil and gas operations in southern Iran, this project was developed to transport gas from the Khangiran Gas Field in the province of Khorassan in the northeast part of the country, to a major power plant in Neka, on the south shore of the Caspian Sea in Mezandaran Province. The 797-km (498-mile), 30- and 36-inch pipeline system was also designed to serve the cities of Mashhad, Ghuchan, Bojnurd, Gonbad-e-Kāvūs, Gorgan, and Neka, as well as steel mills and petrochemical plants planned along the pipeline route.

The project included a sour gas gathering system, a sour gas treatment plant, 138 km (86 miles) of 36-inch and 659 km (412 miles) of 30-inch pipeline, five compressor stations, three gas metering and regulating stations at Sarakhs, Mashhad, and Neka, a supervisory control system, a tele-communications system, and a cathodic protection system. Ancillary facilities included a 2-MMgpd water treatment plant; a 31-km (19-mile), 8-inch industrial water line; a 31-km (19-mile), 63-kV electric transmission system; and a 500-family housing complex for operating personnel at Sarakhs. Operational capacity of the system is 1 Bscfd for the pipeline, and 1.2 Bscfd for the treating plant.

Willbros was selected to perform route selection, preliminary engineering and system optimization, detailed design, purchasing support, construction management, inspection, startup and commissioning, and to prepare operating manuals for the entire system.

Construction contracts were awarded in October 1975, after receiving tenders from international contractors. The system was completed in 1979 and became operational in 1982, following the Iranian revolution.

Project Award
October 1975

Project Completion
1979

Iran

