

BU Valves being loaded onto one of the world's largest cargo aircraft

ORBINOX 96" (2400mm) Model BU Valves being loaded onto one of the world's largest cargo aircraft.

The valves were supplied for the Dahla Dam Improvement Project, in Kandahar Province, Afghanistan.





Dahla Dam, constructed in 1952, is the primary source of irrigation for Kandahar province. The dam provides irrigation water through the Arghandab Valley – once known as the breadbasket of Afghanistan – where agriculture is the primary industry.

Most of the flow for the Arghandab River comes from melting snow in the Hindu Kush Mountains west of Kabul. The water is collected in the Dahla reservoir from February through April and stored for irrigation for the rest of the year.

Transported by one of the world's largest cargo aircraft.



The valves will be installed on the branches off a new penstock that 77 Construction has built. ORBINOX supplied the following products for the project:

- 2-96" Model BU gate valves (above)
- 2-42" Model BU gate valves
- 2-66" Model CH fixed cone valves
- 2-12" Model CW gate valves
- 1-24" Series 25 AVK gate valve.



Because the dam has suffered from decades of neglect and war, its intake and outlet works do not operate correctly, and sediment has reduced reservoir capacity by 30 percent.

The U.S. Army Corps of Engineers Middle East District awarded a task order contract on Feb. 26 for the Dahla Dam Improvement Project, Phase I, in Kandahar province, Afghanistan. The contract was awarded to Bryan 77 Construction Joint Venture of Colorado Springs, Colo., for \$57 million.



The improvement of the dam is essential to the region. Water is life, and this water will help everyone in the region. In fact this project is estimated to affect up to 2 million people.



Dahla Dam Phase 1 is on schedule for July 2015 completion and Phase 2, the actual raising of the dam, in 2017.