



Grouting process of the left dam shore.



Plovdivci dam overview with the water tower.

After 20 year break, the project for Plovdivci dam in South Bulgaria is started again. The dam is intended for drinking water consumption and will solve the water problem for more than 70 settlements in the region or for 40 000 citizens. The project which also includes a water treatment plant, will be finished by the end of 2017. The project value is approx. 24M Euro.

Construction works consists of accomplishing the dam wall and stone lining of the bottom.

The dam is located on the Iskrec river in a south Rodopi mountain near by Bulgarian- Greek border, 14 km from the town of Rudozem very near by Plovdivci village and will be in a volume of 2.4M m<sup>3</sup>.

The dam wall of 52m height is being bottom sealed against water filtration by means of a double row grout curtain.

This is being done through packer injection into 32 m long bore holes and in accordance with the predetermined project parameters such as depth, diameter of hole, viscosity of the grout and injection pressure.

All working parameters will be detected and recorded with a Digital Pressure and Flow/Volume recording system (DPV-H) and reports will be taken for the project purposes.

#### Scope of supply:

1 x Grout plant Häny IC650 / 712, consist of:

1 Mixer HCM300

1 Agitator HRW350

1 Grout Pump ZMP712V

1 Pressure and Flow recording system DPV-H with a pressure transducer and flowmeter

#### Year of Delivery:

2015